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Mining[®] engineering



**The National Materials and Minerals Council
MINEXCHANGE 2025 Preview
Challenges to MSHA's New Silica Rule**



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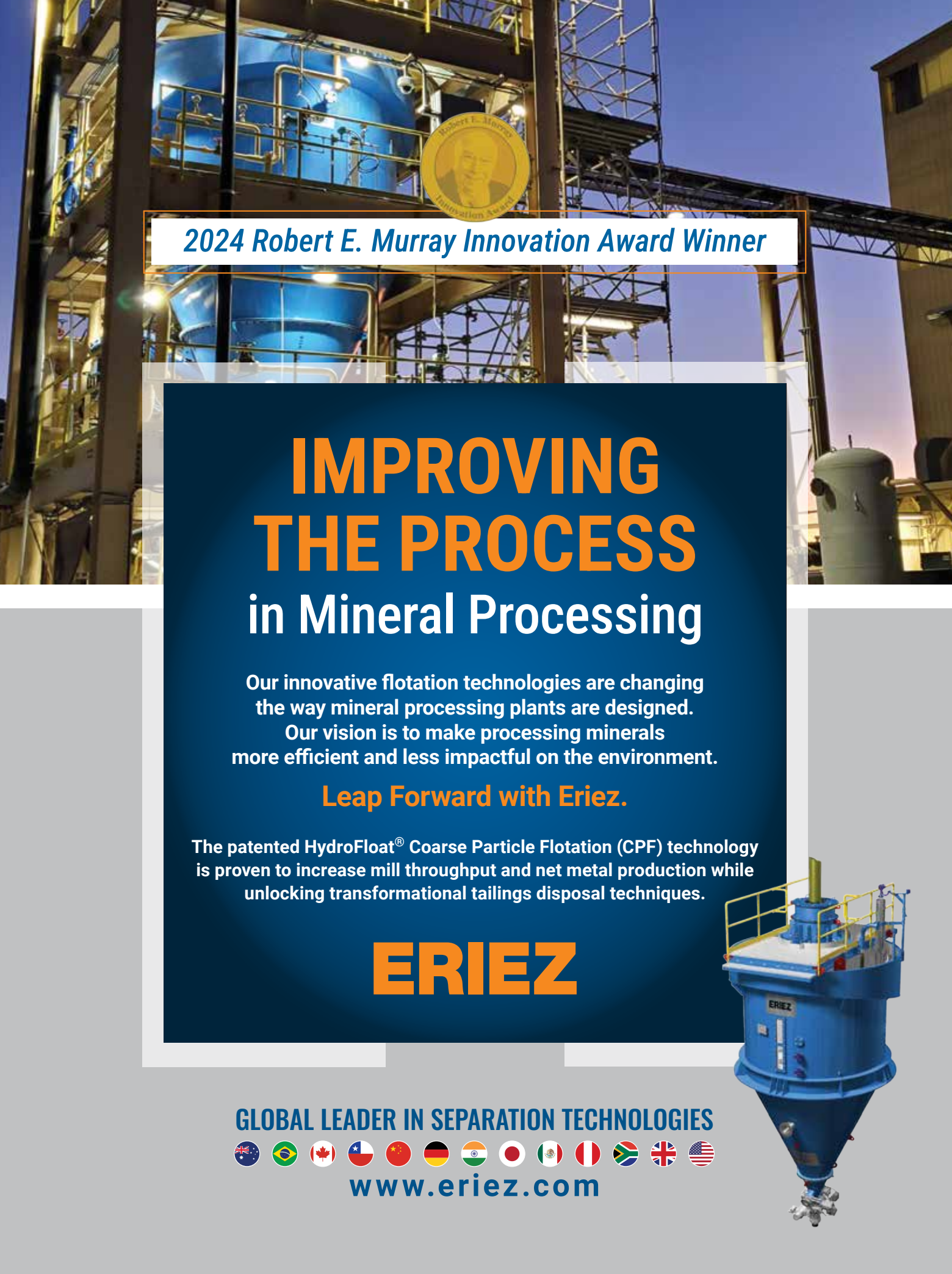


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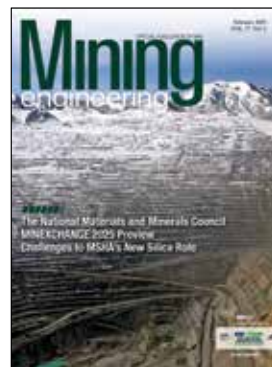
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Cover

SME estimates the United States must develop 359 new domestic mines to provide the minerals needed to meet clean energy transition objectives. This transition will require a broad spectrum of minerals including copper, cobalt, lithium and nickel. In May, SME developed the concept paper "Why the U.S. Needs the National Materials and Minerals Council," an entity that would help coordinate the United States' mineral policy. See page 16. Photo credit: Shutterstock. Cover design by Ted Robertson.



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Mining fosters the next generation; SME will play an important role in powering the future



Marc Herpfer
2024 SME President

As I have espoused before, I think that we are on the cusp of a tremendous transition for humanity driven by science and technology that are all interconnected, and we will be profoundly impacted and transformed by artificial intelligence (AI). Just look at what has happened around us over the past year as we all begin to adopt this nascent and powerful tool in our daily lives.

At SME, we need to think bigger and broader, as our disciplines are going to be much more connected with other areas beyond just the classical mining, metallurgy and exploration. Everything is interconnected from a technological perspective, and especially from people and human-resources perspectives. So, while the mining industry evolves over this decade, we all must look to encourage scientific and engineering diversity of thought to help us adapt and deal with this technological revolution that will reshape the world. It will require professionals in the mining industry to have a broader range of talents and knowledge, so we can still critically think for ourselves. These will be some of the biggest challenges we face in the coming years.

I do not know what the true answer is or what the future will really look like, but I do know that it will not be the same as the past and that change will accelerate at a much faster pace than ever before. What I believe is that mining will be a significant sector that will foster a renaissance into the next Golden Age.

I am constantly amazed by the power of human critical thinking to create and foster new technologies that have enhanced civilization over the millennia. The next decades will be just as exciting as we move mining into the future by employing novel technologies, revolving around both AI and power sources, and exploring new frontiers below the oceans and out in our solar system that contain all the critical resources we need to flourish.

The evolution of science and technologic tools are key as we look toward the future, and I believe we are entering a societal paradigm shift into this new Golden Age. If we realize that we are still in our infancy as a species, then the stars truly still await us.

Fundamentally, AI is a tool that can potentially provide greater insight as we critically think about how we attain civilization's needs and grow society beyond Earth.

Wellness Share: | One thing we tend to get frustrated most with is change, whether good and positive or bad and negative. We get frustrated if change doesn't happen, we get frustrated when changes does happen.

How can you be an advocate for change and help your teams through this ever-changing world?

Being a change champion can help. Change champions are responsible for several key activities. They communicate the vision and goals of the change clearly to all employees. Addressing concerns and providing support are also crucial parts of their job. They ensure that everyone is on the same page and feels confident about the changes being introduced. Monitoring progress and making necessary adjustments also fall within their duties.

A positive change culture is essential for successful change initiatives. Key aspects to focus on include overcoming resistance, building trust and promoting continuous learning and adaptability. ■

Additionally, I have now realized that SME is a Society that in many ways functions as a living neural network powered by our minds and is driven by our friendships that transcend time and empower us to aid society via technology transfers to obtain energy and mineral resources.

My observation of this is based on many visits to our conferences and section meetings around the world, which all clearly demonstrate the growing strength and diversity of this SME fellowship.

But there is an even more important insight that has crystallized for me during my year as SME President, and that is one of professional networking. Each one of you taught me something new and exciting, as well as warmly showed me the greatest gift of all, which is your friendship and belonging to SME.

Together, we will venture into a new tomorrow as every day brings new horizons to conquer as we move ahead with our shared human experience. These are all profound opportunities that should not be missed as SME continues its mission and with the goal to build a better world. Remember that mining always plays a critical and underappreciated role that enables all lives, and that is why I believe SME is one of the greatest professional societies on this planet. ■



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Biden officials issue permit for Perpetua's Idaho mine

THE BIDEN administration issued the final mining permit for Perpetua Resources' Idaho antimony and gold project, a move aimed at spurring U.S. production of a critical mineral at the center of a widening trade war between Washington and Beijing, *Reuters* reported.

Permitting for the mine, backed by billionaire investor John Paulson, comes after Beijing blocked exports to the United States of antimony, a metal used to make weapons, solar panels, flame retardants and other goods for which there are no current American sources.

The U.S. Forest Service released the final record of decision for Perpetua's Stibnite project — essentially the mine's permit — after an eight-year review process, according to documents published on the agency's website. Shares of Boise, ID-based Perpetua gained 9.1 percent in after-hours trading after *Reuters* reported the permit decision.

Perpetua's mine will supply more than 35 percent of America's annual antimony needs once it opens by 2028 and produce 450,000 oz of gold each year, a dual revenue stream expected to keep the project financially afloat

regardless of any steps Beijing may take to sway markets.

For example, Jervois Global, the owner of an Idaho mine that produces only cobalt, declared bankruptcy after Chinese miners aggressively boosted production of that metal in a bid for market share.

In its 154-page report, the Forest Service said its Perpetua decision was based on a detailed review of environmental data, discussions with indigenous groups and consultation with other federal agencies.

"I have taken into consideration the degree to which the (mine's) environmental design features, monitoring and mitigation measures will, where feasible, minimize adverse environmental impacts on (federal lands)," the Forest Service's Matthew Davis said in the report.

Perpetua, which changed its mine design three times in response to critics, said it believes it can make the mine — roughly 222 km (138 miles) north of Boise — "the best it can be."

"Every detail of this project was examined with a fine-tooth comb," said Jon Cherry, Perpetua's chief executive officer.

Perpetua will need to obtain a

wetlands permit from the U.S. Army Corps of Engineers, although the Forest Service said its own decision was made in consultation with that agency, implying a smooth review process.

The Stibnite project was forecast in 2020 to cost \$1.3 billion, a number expected to rise due to post-pandemic inflation. The site has estimated reserves of 148 million lb of antimony and 6 million oz of gold.

The Pentagon committed nearly \$60 million to fund permitting for the project, which would entail cleaning and expanding a site that was polluted by World War II-era mining.

Perpetua last April received a letter of interest from the U.S. Export-Import Bank, the government's export credit agency, for a loan worth up to \$1.8 billion to fund the Stibnite project.

The project has not won the support of Idaho's Nez Perce Tribe, which is concerned it could affect the state's salmon population.

The tribe, though, was consulted for the permit review and changes were made to address their concerns, according to the record of decision.

Representatives for the Nez Perce Tribe were not immediately available for comment. ■

DOE invests \$45 million to secure domestic critical minerals

THE U.S. DEPARTMENT of Energy's (DOE) Office of Fossil Energy and Carbon Management (FECM) announced \$45 million in federal funding for six projects to create regional consortia to accelerate the development of critical minerals and materials supply chains including novel nonfuel carbon-based products from secondary and unconventional feedstocks.

Realizing the value of secondary and unconventional feedstocks, such as coal and coal byproducts, effluent waters from oil and natural gas development, and acid mine drainage will enable the United States to rebuild domestic supply chains for critical minerals and materials. By focusing on abundant American secondary and unconventional

sources, these investments will support dependable and enduring supplies for American manufacturing and production of technologies essential to clean energy and the nation's defense, it said.

"Rebuilding a domestic supply chain for critical minerals and materials here at home will both safeguard our national security and support the continued development of a clean energy and industrial economy," said Brad Crabtree, assistant secretary of Fossil Energy and Carbon Management. "DOE is investing in collaborative regional projects to help us realize our nation's full potential for the recovery of these vital resources, while creating high-wage jobs and delivering environmental benefits for

communities across the United States."

Selected projects will build upon the work of DOE's Carbon Ore, Rare Earth and Critical Minerals (CORE-CM) Initiative, expanding the focus from the basin scale to cover eight regions across the nation. Teams consist of partners such as private industry; universities; local, state and federal governments; local communities; and Tribes and Tribal organizations who will develop and implement strategies that enable each U.S. region to realize its economic critical minerals and materials potential, including valuable nonfuel carbon-based products.

DOE's National Energy Technology Laboratory, under the purview of FECM, will manage the selected projects. ■

MINE SAFETY AND HEALTH HANDBOOK: APPROACHES FROM THE FIELD

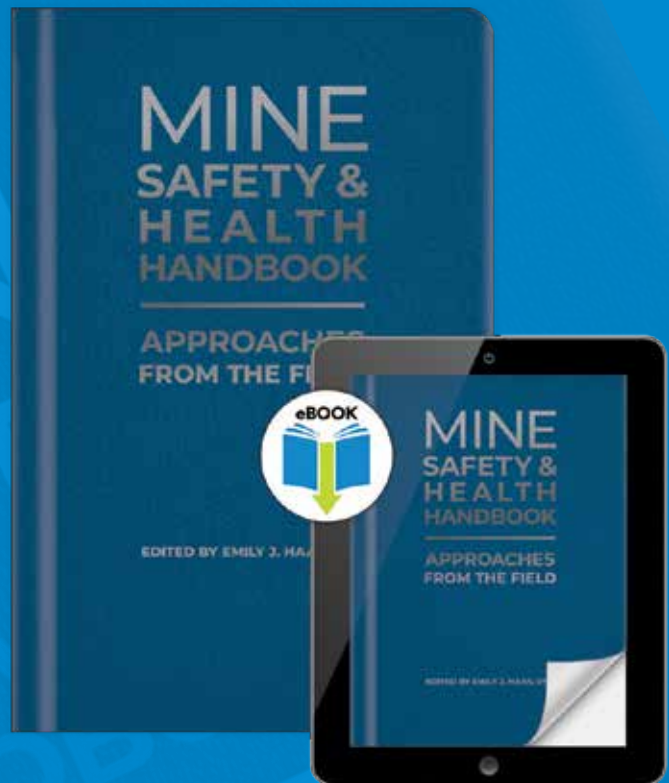
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Edited by Emily J. Haas, PhD

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Cleveland-Cliffs eyeing all-cash bid for US Steel; Potential bid appears after Biden blocks Nippon Steel's offer

CLEVELAND-CLIFFS is partnering with peer Nucor to prepare a potential all-cash bid for U.S. Steel, with an offer in the high \$30s per share, a person familiar with the matter said, *Reuters* reported.

Cliffs is aiming to purchase all of U.S. Steel and then sell its Big River Steel mill to Nucor if the deal is completed, the person added on condition of anonymity because the details have not been made public.

Cliffs chief executive officer Lourenco Goncalves and rival Japan's Nippon Steel, which has an agreed deal to buy U.S. Steel, engaged in a war of words over who was the better partner for the struggling company.

Goncalves reiterated in a wide-ranging press conference in Butler, PA, that he wanted to bid again for U.S. Steel after making a rejected offer in 2023 and had a plan, but declined to elaborate on details.

"I'm happy that I'm in a position to make an offer that will execute on the wishes of the board and the management," Goncalves said. "They sell, they go away. We take over. We do good. America will be better, America will be stronger," he added.

Cliffs' potential bid, first reported by CNBC, appeared aimed at ratcheting up pressure on Nippon Steel, whose imperiled \$14.9 billion bid for U.S. Steel was blocked by President Joe Biden in a Jan. 7 executive order that cited unspecified national security concerns.

Nippon Steel, which had offered \$55 a share cash for U.S. Steel, said in a statement that it would do whatever it takes to close its deal and that it was the only partner that could keep U.S. Steel intact and protect jobs.

U.S. Steel said in a statement it remained "committed to completing" its merger with Nippon Steel.

"Only Nippon Steel's partnership will deliver \$55 per share to our shareholders and guarantee the significant capital investments and technology sharing needed to ensure a strong U.S. Steel for generations to come and protect jobs," it added.

Enforcement of Biden's order, which gave the parties 30 days to unwind the transaction, was postponed until June after the companies sued the U.S. president, alleging he violated the constitution by depriving them of due process when he blocked the deal.

Nippon Steel and U.S. Steel also sued Goncalves and Cliffs, alleging "illegal and coordinated actions" aimed at scuttling the deal in order to "monopolize the domestic steel markets." Cliffs described the lawsuit as "baseless."

Steelmaker and iron ore miner Cliffs, which has been led by Brazilian-born Goncalves for more than a decade, made an unsolicited bid for U.S. Steel in August 2023 at \$54 per share, with half offered in company stock. It won the support of the United Steelworkers union, arguing the companies combined would "create a lower-cost, more innovative, and stronger domestic supplier."

But U.S. Steel raised concerns that a tie-up with Cliffs risked being shot down by antitrust regulators because it would consolidate the supply of steel to U.S. automakers and put up to 95 percent of U.S. iron ore production under the control of one company. U.S. Steel's board rejected the offer.

Nippon Steel's December 2023 all-cash offer was higher than Cliffs' and the Japanese company later promised to revitalize U.S. Steel's aging mills with investment from an allied nation. ■

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China's export ban to push antimony prices to new highs

Chile files environmental charges against Anglo American copper mine

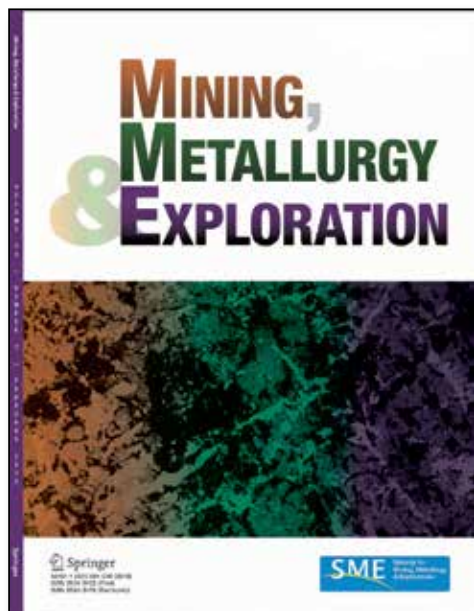
CHILE'S ENVIRONMENTAL regulator has filed four charges against the major Los Bronces copper mine, controlled by Anglo American, for noncompliance with environmental permits, the agency said, *Reuters* reported.

The charges could carry a fine of nearly 17 billion pesos (\$17.17 million), according to the Superintendency of the Environment, or SMA. Los Bronces is one of Chile's biggest copper mines with output of 215,500 t (237,500 st) last year, as well as a key project for Anglo American, which has been a takeover target of larger rival BHP. Anglo American said in a statement that it was analyzing the accusations to determine its next steps.

One of the charges was deemed "very serious," the highest of three offense levels, for noncompliance dating back to a 2014 sanction. At the time, the SMA found that Anglo American Sur, the local unit that operates Los Bronces, failed to resolve acid drainage at the Esteriles Donoso tailings deposit, designed to hold mine waste. "The company has not implemented a definitive solution ... it constitutes a repetition of acts previously sanctioned," the SMA said.

The tailings deposit is not currently in use, Anglo American said, stating that in October it submitted a request for an environmental permit to fix the issue. The regulator also filed two charges in the mid-level "serious" category. ■

MME Collections 2025



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• Sustainable Development in the Minerals Industry

The activities of extractive industries have environmental and social consequences. Nonetheless, considering the significance of mining in generating revenue and employment, the vital importance of these resources to all economic sectors, and the finite nature of many extracted resources, ensuring sustainable behaviors in the sector and the sustainability of the industry while optimizing resource utilization for development is imperative. The purpose of this collection is to present current thinking on the state of sustainability in the extractive industries with the goal of identifying areas of progress and those of immediate and longer-term concern.

Editor: Zach Agioutantis, Ph.D.

• Health and Safety in Mining

The mining industry stands at the forefront of technological advancements and stringent safety regulations, which collectively aim to enhance operational efficiency and safeguard the workforce. This collection is dedicated to the pivotal themes of health and safety in mining, with a particular focus on emerging technologies, new regulatory frameworks, and the unique challenges faced by small to medium-sized enterprises. This is the second generation of MME special issue/collections focused on health and safety, with others to come.

Editor: Pratt Rogers, Ph.D.

• Collection in Honor of Professor Komar Kawatra

Prof. S. Komar Kawatra joined Michigan Technological University in 1977 and chaired the Department of Mining and Materials Processing Engineering from 2000 to 2002 and the Department of Chemical Engineering from 2007 to 2017. Prof. Kawatra was awarded as an SME Fellow in 1992 and has been heavily involved with SME for decades and is an accomplished researcher, mentor, teacher, and lecturer. His primary areas of research included Mineral Processing and Chemical Engineering specializing in instrumentation and online analysis for monitoring and control of chemical and particulate process plants and treatment/remediation of chemical and industrial wastes. He has received numerous honors and awards.

Editor: Jayson Ripke, Ph.D.

• Collection in Honor of Dr. Jan D. Miller

This collection is to honor Dr. Jan D. Miller, who retired from the University of Utah as the Ivor D. Thomas Distinguished Professor of Metallurgical Engineering in June 2023. Dr. Miller is internationally well known for his numerous technical contributions in mineral resource recovery and utilization, specifically in the areas of surface/colloid chemistry, particle technology, coal preparation, mineral processing, hydrometallurgy, and environmental technology, with more than 700 publications and 40 patents.

Editor: Jiaqi Jin, Ph.D.

• Collection in Honor of Prof. Bernd Friedrich

This collection celebrates Prof. Dr.-Ing. Dr. h.c. Bernd Friedrich's 25th anniversary at the IME Process Metallurgy and Metal Recycling Institute. It will honor the scope of his career with papers on pyrometallurgy, hydrometallurgy and electrometallurgy, electronic scrap recycling, circular economy for batteries, extraction and recycling, aluminum recycling and melt purification, waste treatment and primary metallurgy, alloying metallurgy, nanoparticle synthesis, and pure metals.

Editors: Elif Emil-Kaya, Dr.-Ing., Kerstin Forsberg, Prof. Dr., Dimitrios Panias, Prof. Dr., and Gabriella Tranell, Prof. Dr.



Copper giant Peru foresees continued plateau; Production expected to remain flat for another year in 2025

PERUVIAN COPPER

production is expected to remain flat in 2025 for the third straight year, according to the country's top mining association and industry analysts, as declining ore grades and a lack of new projects cap output, *Reuters* reported.

The South American country is a global copper powerhouse, ranking third in production behind Chile and the Democratic Republic of the Congo, which unseated Peru from second place in 2023.

Yet poorer ore grades after years of extraction are making it more difficult for miners to maintain output levels, just as a major copper supply deficit is looming in the next decade due to anticipated demand for electric vehicles, renewable energy and data centers. The expected gap has put pressure on some of the world's biggest miners to secure more supply through massive acquisitions, such

as BHP's \$49 billion bid for Anglo American that was rejected this year.

Copper prices on the London Metal Exchange began the year just above \$8,580/t (\$9,500/st), and after falling from a record high of more than \$11,000/t in May are now at about \$8,869/t. Peru's top mining association SNMPE expects the country's 2025 copper output to hit around 2.8 Mt (3.1 million st), matching 2023 and what is expected for 2024, as miners contend with poorer-quality resources and development bottlenecks for new projects.

"By 2025, Peruvian copper production is expected to be similar to this year's expected 2.8 Mt (3.1 million st)," said Victor Gobitz, SNMPE's head, in an interview last week.

Peru's mining ministry has not issued a 2025 forecast and did not respond to a request for comment.

Juan Carlos Ortiz, vice president of

Peru's Institute of Mining Engineers, said he expected flat production given the lack of new projects.

"We are going to repeat the copper production of 2024," said Ortiz, who is also vice president of operations at Minas Buenaventura.

A dramatic turnaround is looking unlikely anytime soon. Peru's last new mine was Anglo American's \$5.5 billion Quellaveco, which opened in 2022 with expected annual capacity of 300 kt (330,000 st).

It currently accounts for more than 10 percent of domestic output.

At best, Peru could get a bump from Southern Copper's Tia Maria project, with production expected in 2027, and Teck Resources' Zafrañal, forecast for 2029. Together, they would add about 150 kt (165,000 st) of annual output. Miners are also working to boost their processing capacity to compensate for poorer ore grades. ■

Please join the SME Foundation for its Annual Gala Dinner and Silent Auction

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Successful completion of merger of equals; **CONSOL Energy and Arch to form Core Natural Resources**

CORE NATURAL RESOURCES Inc. announced the successful completion of a merger of equals between CONSOL Energy Inc. and Arch Resources Inc. to form Core, effective Jan. 14, 2025. The proposals required to consummate the merger received the support of more than 99 percent of the companies' respective stockholders present and entitled to vote at their stockholder meetings.

"Today marks a milestone in the proud histories of two great companies," said Jimmy Brock, Core's executive chair.

"Through this transformational combination, we have created a global leader exceptionally well positioned to compete and succeed in two significant, high-potential market segments — the global metallurgical and global high-rank thermal coal markets. Through these two core lines of business, the Core team expects to play an essential role in meeting the world's growing steel, infrastructure and energy requirements while driving long-term value for its many stakeholders, including stockholders, customers, employees, and the communities in which we live and work," Brock said.

Pursuant to the merger agreement, Arch stockholders received 1.326 shares of Core for each issued and outstanding Arch share.

"This combination joins two proven leadership teams and best-in-sector operating platforms to create a premier North American coal producer with worldwide reach and world-class mining and logistics capabilities," said Paul A. Lang, Core's chief executive officer. "Since the merger's announcement, the Arch and CONSOL teams have collaborated to lay the foundation for a swift, efficient and value-creating integration, and we fully intend to hit the ground running in capturing the combination's substantial synergies and realizing the full potential of the new enterprise. At the same time, we will be building upon the central principles that have served as the bedrock of both Arch's and CONSOL's corporate cultures

— a deep and unwavering commitment to safety; environmental and social stewardship; integrity; and operational excellence."

In conjunction with the closing of the merger, Core successfully amended and extended the previous CONSOL revolving credit facility (RCF), upsizing the facility commitments to \$600 million

from the previous \$355 million while extending the maturity to April 30, 2029. Based on its asset diversification, synergy potential and strong balance sheet, Core received exceptionally strong support for the transaction, with participation from 22 banks including nine new lenders. ■



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KoBold raises \$537 million to discover major deposits of critical minerals using AI-powered exploration technology

KOBOLD METALS a Silicon Valley company using artificial intelligence (AI) to discover major deposits of critical minerals, announced it has raised \$537 million in Series C equity funding.

The round, which increases KoBold's post money valuation to \$2.96 billion, was co-led by new investor Durable Capital Partners LP and by a pair of T. Rowe Price funds not yet invested.

The financing included participation from existing KoBold investors Andreessen Horowitz Growth, BOND Capital, Breakthrough Energy Ventures, Earthshot Ventures, Equinor, July Fund, Mitsubishi and Standard Investments, as well as new investors StepStone and WCM Investment Management.

"KoBold shows how the combination of scientific excellence and AI can enable the discovery of critical metals for the global energy

transition. KoBold's team, technology, and approach to exploration position them to be the leading innovators in the mining industry for years to come," said Henry Ellenbogen, managing partner and chief investment officer at Durable Capital Partners LP.

"KoBold's mission is to expand and diversify the global supply of critical resources essential for prosperity, energy technology, AI and security," said KoBold chief executive officer Kurt House. "Partnering with this broad set of world-class investors will accelerate our progress."

KoBold Metals will strategically allocate its new funding to fuel growth and innovation. The new investment will fund the expansion of critical minerals exploration efforts across five continents; help advance high-potential projects, like the company's Mingomba copper deposit in Zambia, from discovery to mineral production; and bolster cutting-edge research and

development, enhancing KoBold's proprietary AI-powered exploration technology.

Demand for critical minerals like copper and lithium is accelerating, driven by the rapid growth of electric vehicles, renewable energy, data centers and other advanced technologies. Yet, chronic underinvestment in research and development has made the mining industry far less successful, now requiring over 10 times more capital to discover ore deposits than a generation ago.

The easy to discover, near-surface deposits have largely been discovered and the industry moves too slowly in bringing new mines into production, often taking decades.

Meeting demand for critical minerals requires groundbreaking methods to analyze the Earth's subsurface and bring resources to market faster and more efficiently than ever before. ■

BMW and Yamaha Motor invest in Phoenix Tailings; Rare earths processing startup to build facility in New Hampshire

BMW AND YAMAHA Motor have invested in U.S.-based rare earths processing startup Phoenix Tailings, the latest move by manufacturers to boost production of the strategic metals outside of China, *Reuters* reported.

The existing standard to refine these minerals, known as solvent extraction, is an expensive and dirty process that gradually became unpopular in the United States after it was developed in the 1950s but one that Chinese rivals have spent the past 30 years mastering.

Beijing has taken steps in recent months to curb exports, a move that has fueled a scramble across the West for replacement technologies. Phoenix says its process can produce rare earths from mined ore or recycled equipment with little to no emissions.

BMW and Yamaha's venture capital investment divisions are

among several investors — including venture capital funds Envisioning Partners, MPower and Escape Velocity — in Phoenix's \$43 million Series B funding round, which closed on Dec. 20, Phoenix chief executive officer Nick Myers told *Reuters* in an interview.

Phoenix declined to disclose each investor's funding.

The company will use the funding to build a \$13 million facility in Exeter, NH, that can produce 200 t (220 st) of rare earths annually and should open by June 2025, Myers said.

The remaining funding will be used for research, engineering and business development.

The Massachusetts-based company, which has 33 employees, says it has signed supply contracts worth more than \$100 million, although it declined to say with whom. If the Exeter facility is successful,

Phoenix plans to build larger processing facilities elsewhere in the United States.

That could help the company achieve its goal of going public within three to five years, Myers said.

MP Materials and Lynas Rare Earths are two of the largest non-Chinese rare earths miners and processors, although both have struggled amid Chinese competition.

Myers said he believes Phoenix can succeed because it does not operate a mine. The company is applying for U.S. government loans and grants.

Myers added that he believes President Donald Trump will be a "very strong benefit for onshoring manufacturing" and critical minerals companies.

Phoenix closed a \$10 million Series A funding round in August 2021. ■

Glencore open to deals including M&A transactions, leveraging position as a top three global copper producer

MINER AND COMMODITY trader Glencore said it is open to mergers and acquisitions (M&A) transactions that create value for its shareholders, leveraging its position as a top three global copper producer, *Reuters* reported.

“As we have always said, M&A is something we are good at and we are always open to do transactions that are value-accretive for the company,” a Glencore spokesperson said.

Potential M&A deals were the chief preoccupation for investors in the sector in 2024, but BHP’s \$49 billion failed bid for Anglo American in May showed the difficulty of combining diversified producers.

Glencore made an approach to Rio Tinto late last year with a proposition to merge the two mining companies but talks did not progress, according to two sources close to the matter. Neither company has commented on any talks. The spokesperson would not

comment on the reports.

Rio Tinto would benefit from more copper production through a deal with Glencore, but the world’s second-largest miner had questions around how much it would have to spend and its culture compatibility with the Swiss company, a third source with direct knowledge of the matter said.

“Glencore is a trader ... and their operating assets are nothing but a captive source of material for them to trade against. The culture clash would be quite something ... but any deal can be done at the right price,” said Abel Martins Alexandre, previously a Rio Tinto treasurer and a former managing director at Lloyds Bank.

For example, Martins Alexandre said if Glencore had Rio Tinto’s portfolio they may believe they could make more money out of trading the materials that Rio Tinto produces than Rio Tinto does alone, as this is not a trading entity.

Mining companies are racing to expand copper output, with demand poised to jump from use for energy transition applications such as solar panels, electric cars and data centers for artificial intelligence.

At the same time, major producers are wary of paying hefty premiums that could put pressure on their balance sheets and irritate shareholders.

Glencore produces more than one million metric tons of copper a year, outpacing Rio’s output by up to 40 percent. Glencore’s valuation is cheap compared with peers, analysts said, and its share price lost 25 percent of its value in 2024. Diversified miners BHP and Rio Tinto’s London shares lost 21 percent and 19 percent, respectively, while Anglo’s shares rose 20 percent.

Glencore’s coal operations will be perceived as a “poison pill” for other companies’ shareholders, said Martins Alexandre. ■



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China's export ban to push antimony prices to new highs; Growing trade tensions reveal likely major shift in the market

ANTIMONY PRICES are likely to hit record levels as consumers seek alternative supplies following China's latest export ban, with growing trade tensions changing the dynamics around markets for critical materials, *Reuters* reported.

In December, China banned exports to the United States of critical minerals gallium, germanium and antimony.

Prices of antimony, used in semiconductors and military applications, hit all-time highs and were trading between \$39,500/t and \$40,000/t in Rotterdam as of Dec. 31. Prices rose by around 250 percent in 2024. Traders expect prices to climb above \$40,000/t following China's ban amid an ongoing global supply shortage.

"We have already sold some small

quantities for \$40,000," a minor metals trader in Europe said. "Non-Chinese sellers ... will charge more to maximize profits."

China produced nearly 50 percent of global antimony supplies estimated at 78 kt (83,000 st) last year, according to data from the U.S. Geological Survey (USGS).

Traders said China's bans are in line with a strategy to consolidate mineral production internally.

"The U.S. has already diversified its supply chains away from China where possible, buying more from Southeast Asia," said Ellie Saklatvala, head of non-ferrous metals pricing at Argus. "However, it is unclear in the near term how they will be able to fill the gap now left by China."

China also banned exports of gallium and germanium to the United

States, but this will have limited impact as the United States has stopped buying these critical minerals from China.

"Still, markets are made of people and not only of fundamentals, therefore some bullish pressure is expected as traders exploit the ban to move prices up," said Theo D. Ruas, global sales manager, Metals & Compounds at Indium Corp. "China's ban on raw materials shows how important additional supply outside China is. Being self-sufficient must be a short-term goal for the U.S. government."

China's dominance in critical minerals has fueled concern about which other metals could be marked for the next round of export curbs. One trader said China could target bismuth and manganese. ■

Missouri S&T-led critical minerals technology hub awarded \$28.5 million in federal funds from EDA

A REGIONAL INNOVATION and Technology Hub led by Missouri University of Science and Technology (Missouri S&T) has secured \$28.5 million in implementation funds from the U.S. Department of Commerce's Economic Development Administration (EDA) for its efforts focused on critical minerals processing.

The funds, which come from the CHIPS and Science Act, will support the construction of an 18,000-sq ft test-bed facility at Missouri S&T to evaluate and develop methodologies for extracting and processing resources that will be used for advanced energy systems.

"We are grateful to the EDA for selecting Missouri S&T for this award, as it has huge economic development implications for our region and could ultimately lead to significant changes for the critical minerals supply chain for the entire nation," said Kwame Awuah-Offei, executive director and regional innovation officer of the Missouri S&T-led Critical Minerals and Materials for Advanced Energy (CM2AE) Tech Hub. Awuah-Offei is

also chair and Union Pacific/Rocky Mountain Energy Professor of mining and explosives engineering at Missouri S&T.

In October 2023, Missouri S&T was selected as one of the nation's 31 tech hubs out of nearly 400 applicants. Missouri S&T's successful proposal includes partners from industry, government, economic development groups, planning commissions and higher education institutions.

"This is a proud and defining moment for our region, the state of Missouri and the nation," said Missouri S&T chancellor Mo Dehghani. "Through the relentless dedication and collaboration of countless stakeholders, the Economic Development Administration has acknowledged Missouri S&T's leadership in critical minerals research and the transformative promise of this Tech Hub. Together, we are revitalizing the economies of 14 counties while bolstering the critical minerals supply chain for Missouri and the United States, paving the way for innovation and progress."

The Missouri counties in the Tech Hub's region include Carter, Crawford, Dent, Howell, Iron, Madison, Oregon, Phelps, Reynolds, Shannon, St. Francois, Ste. Genevieve, Texas and Washington.

According to Michael Moats, the test-bed project lead, the facility will take about two years to construct. It will house several pilot-scale pieces of equipment focused on different aspects of hydrometallurgical processing and analysis, which will support research and development efforts, as well as the region's workforce development.

"The term 'world-class' can sometimes be overused, but it is entirely appropriate for this facility, which will be the first of its kind," said Moats, who also serves as a professor and chair of materials science and engineering at Missouri S&T. "Designed to unlock natural and recycled resources, it will enable rapid testing of potential technologies through adaptable equipment configurations and simulations of future facilities." ■

Epiroc and ABB advance collaboration on underground trolley equipment to establish electrification solutions

EPIROC AND ABB have signed a memorandum of understanding (MoU) based on underground trolley equipment to collaborate on joint, comprehensive and integrated electrification solutions for the mining industry to increase productivity and achieve decarbonization targets. The MoU builds on past technology deployment successes in Swedish mines.

“Collaboration within the mining industry is crucial to accelerate the transformation of our mining customers’ decarbonization journey,” said Wayne Smes, president of Epiroc’s Underground division. “We are excited to deepen our partnership with ABB by developing a strategic roadmap for sustainable, innovative mining, beginning with the decarbonization of mining truck fleets, expanding on the trolley system to meet the wider needs of the industry with the target set to increase both safety and productivity.”

Under the terms of the agreement, the two companies will have teams in collaboration to carry out comprehensive feasibility assessment of their collective offerings. This review aims to meet the demanding requirements of industrial applications in mining, considering productivity, sustainability, and high-power, automated and safe operations. Any resulting solution would be ruggedized for harsh underground mine environmental conditions and built to approved standards.

The recent track record of ABB and Epiroc includes the first battery-electric trolley truck system for underground mines, developed together with Swedish mining company Boliden. According to ABB’s Mining’s Moment report, 76 percent of global mining companies believe vehicle electrification will bring significant benefits both in terms of sustainability and efficiency.

Additionally, 42 percent plan to invest in haulage fleet decarbonization by 2026. In light of this, ABB and Epiroc believe it is time for action.

“The decarbonization of mine haulage fleets is becoming increasingly pressing as we look toward 2030 sustainability goals,” said Max Luedtke, global business line manager for Mining, ABB Process Industries. “We must encourage collaboration across the industry to speed up the change needed, and Epiroc is aligned with this approach. We know from our recent Mining’s Moment report that 71 percent of mining companies agreed that successful partnerships are key to gaining momentum in the energy transition. Technology players demonstrating a strong commitment to open standards and asset interoperability facilitate these efforts, so we look forward to discovering what else we can achieve with Epiroc and the wider industry.” ■

India’s NMDC to extract diamonds worth \$3.4 million; Mine near tiger reserve to produce 6,500 carats

INDIA’S STATE-RUN miner NMDC is expected to extract 6,500 carats of diamonds, worth \$3.4 million, this fiscal year from ores in a mine near a tiger reserve after receiving mining clearances last year, two sources said, *Reuters* reported.

The miner faced delays in securing environmental clearances and had to halt mining for more than three years at the Panna Mine in Madhya Pradesh

state due to its proximity to the tiger reserve. The Supreme Court later permitted NMDC to mine, subject to certain guidelines, paving the way for the company to resume operations.

NMDC, which has not yet started new rounds of mining, is focusing on extracting and processing diamonds from ore stockpiles at its Panna Mine, the sources said.

“We will start ore mining from

the mines in two to three months, and in the meanwhile diamonds are processed through feeding of old stockpiles,” NMDC told *Reuters* in an emailed statement. Since resuming operations, the company has extracted 3,700 carats of diamonds, worth \$1.93 million, from the ore, said the sources, who did not wish to be named before NMDC publicly shared its diamond output data. ■

Hexagon invests in Saudi Arabia’s miners of tomorrow; Funding to boost technology and training at King Saud University

HEXAGON HAS announced an investment in technology and training at a university in Saudi Arabia. King Saud University will receive course materials and Hexagon MinePlan licenses as part of an initiative to help attract and train a new generation of mining talent in the Middle East.

Mine engineers and geologists are using MinePlan 3D’s modeling,

data visualization and production capabilities in more than 450 openpit and underground mines across almost 40 countries.

The investment signed in Riyadh extends Hexagon’s partnership with mining interests in the region a year after it signed an agreement with Saudi Arabia’s mining company, Ma’aden, to launch the Middle East’s first

digital mine. Investing in the miners of tomorrow continues a cherished tradition, said Hexagon’s Dave Goddard, executive vice president of Mining.

“Hexagon has long supported and partnered with mining schools and students worldwide via sponsorships, scholarships, software licenses and research collaborations,” he said. ■

SME introduces concept for a National Materials and Minerals Council

by William Gleason, Editor

In 1996, the U.S. Congress voted to cease funding the U.S. Bureau of Mines (USBM). This decision has had wide-ranging, negative ripple effects on the U.S. mining industry. In the three decades without a USBM, the United States has lost its position as the global leader in mining production and has suffered a significant decline in domestic mining education and research capabilities. Additionally, the nation has become increasingly reliant on mineral imports, many of which come from adversarial countries.

Roundtable discussion

On May 30, 2024, the Society for Mining, Metallurgy & Exploration (SME) invited

development sector due to the closure of the USBM and noted the gains the nation could achieve with a new minerals agency or office that would fulfill many of the responsibilities that were once handled by the USBM.

“It seemed that the time was right, and SME saw the need to propose ideas on the importance and value of the former USBM. And we wanted to create an opportunity to either refund or create a new agency to promote and support mining in the U.S.,” said SME executive director and chief executive officer David Kanagy. “The roundtable discussion was a result of conversations with the National Mining Association (NMA), American Exploration & Mining Association (AEMA) and SME leadership who were present at the discussion. SME hopes this begins a dialogue and process that is likely to take a few years.”

IWG report

One of the catalysts to the formation of the roundtable discussion was the publication of a report from an interagency working group (IWG) composed of the U.S. Departments of the Interior, Agriculture, Commerce, Energy and State, as well as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the Army Corps of Engineers, the Council on Environmental Quality, and the National Economic Council.

The IWG report on “Recommendations to Improve Mining on Public Lands” published in September 2023 cites the need for a USBM type of agency as “an issue needed to revitalize domestic mining,” and states: “At the end of the 20th century, the U.S. lost its position as the global leader in mining, both in terms of total production and the development of cutting-edge mining technology The infrastructure necessary to restart the domestic mining industry has atrophied with the increased offshoring of mining ... (IWG Report, pages 90-91).”

Concept paper

The result of the May 30 roundtable discussion was the creation of a concept paper titled “Why the U.S. Needs a National Materials and Minerals Council” that is available on SME’s website.

SME estimates that the world will need 359 new domestic mines to provide the minerals needed to meet the demands of a clean energy transition. Current operational mines such as Kennecott’s Bingham Canyon Mine near Salt Lake City, UT (pictured) will not be enough to meet future demand.

18 industry experts to its headquarters in Englewood, CO to discuss the need for the creation of a new agency or entity that could fill the void left by the closure of the USBM and provide technical advice and coordination on minerals issues to the U.S. government that have been absent since 1996.

The roundtable discussion included representatives from industry, academia, government and nongovernment organizations, including former USBM employees. Among the experts were mining engineers, metallurgists, environmental engineers, geologists, mineral economists, mine-permitting and regulatory specialists, health and safety professionals, lawyers, and government affairs and policy specialists.

The discussion highlighted many of the nation’s losses in the mining and mineral

Photo courtesy of Rio Tinto





Photo from Shutterstock

The paper states that the proposed National Materials and Minerals Council (NMMC) should become part of the Executive Office of the President of the United States (EOP), where it would be ideally positioned to work on a wide spectrum of materials and minerals issues and coordinate with other EOP offices as well as with all cabinet-level executive offices and their respective agencies. The NMMC should be staffed with policy and mining technical experts recruited from the private sector, federal agencies and departments and academia.

“The NMMC is critically needed to revitalize the mining and mineral processing research functions at which the USBM excelled,” said Debra Struhsacker, environmental permitting and government relations consultant and co-author of the NMMC concept paper. “The urgent need to increase domestic mineral production to reduce our dangerous reliance on foreign minerals will require enhanced mining and mineral recovery techniques at new mines, operating mines and some legacy mine sites. Because some of the USBM’s responsibilities are being successfully accomplished, like the U.S. Geological Survey’s (USGS) annual Mineral Commodities Summaries, it isn’t necessary to recreate the entire organization. However, there is an immediate need for the NMMC to rebuild our mining and mineral processing research capabilities.”

Need for NMMC

Since 1996, the United States has not mined or processed many of the 50 minerals deemed critical by the USGS. In 2023, the United States

was 100 percent reliant on foreign sources for 15 of these minerals and 50 percent or more reliant on other countries for another 34 minerals. Furthermore, the United States is dangerously dependent on China and other adversarial countries for minerals that are essential for the defense, energy, aerospace, electronics, telecommunications and transportation sectors. The United States currently imports numerous minerals from countries with inferior environmental protection and labor safety standards. All of this comes at a time of rapidly increasing demand for minerals for electric vehicles, wind turbines, transmission lines and other infrastructure.

SME estimates that the United States must develop 359 new domestic mines to provide the minerals needed to meet clean energy transition objectives. This transition will require a broad spectrum of minerals including copper, cobalt, lithium and nickel. However, the concept paper notes that the United States imports 32 percent of the copper, 61 percent of the cobalt, 50 percent of the lithium and 52 percent of the nickel that it needs. Some of these minerals are imported from adversarial countries like China and Russia or from countries with lax labor or environmental regulations compared to the United States.

“The absence of federal minerals research has caused the U.S. to fall behind the rest of the world during one of the most transformative times in human history. As the world looks to transition to a clean energy economy, global demand for critical minerals is set to skyrocket by 400 to 600 percent over the next several decades. For minerals such as lithium and

The proposed National Materials and Minerals Council would coordinate with government agencies to work on a wide spectrum of materials and minerals issues.

graphite used in electric-vehicle (EV) batteries, demand will increase by even more — as much as 4,000 percent,” the paper states.

Centralized policy agency

Ironically, the 1996 Congressional decision to cease funding the USBM, which was driven in part by a desire from both Republicans and Democrats to streamline the federal government, had the unintended consequence of creating a complex bureaucratic maze of government agencies that now have some touch point with the mineral supply chain (Fig. 1).

To streamline material and mineral production in the United States, the concept paper recommends that the United States should establish the NMMC to provide technical input and policy advice on domestic minerals and materials to Congress and Executive Branch agencies and departments.

It is important to note that the statutory authority of the USBM still exists, but it is an unfunded agency. Some of its functions, such as miner health and safety research were transferred to other agencies. The National Institute for Occupational Safety and Health (NIOSH) has overseen the health and safety responsibilities since 1996, but other functions, including most mining and mineral processing research programs, did not continue or are no longer funded.

Rather than duplicate the former USBM, the NMMC could achieve a “whole-of-government” approach to the oversight of critical materials and critical minerals in coordination with all cabinet-level executive offices and their respective departments and agencies.

In short, the NMMC would serve as the clearinghouse that coordinates the efforts of the numerous federal agencies and departments that are involved with mineral issues to achieve more synergy and efficiency and to minimize overlap and duplication and eliminate the complex, inefficient and expensive bureaucracy shown in Fig. 1.

Research and development

The NMMC would function as an executive-level, unbiased and fact-based advisor to help Congress and Executive Branch officials develop mineral policies and programs.

NMMC would also be tasked with reinvigorating a federal mineral research program focused on strengthening U.S. mineral supply chains in order to reduce the nation’s dangerous reliance on foreign minerals and to meet the skyrocketing mineral demands projected for the next several decades to support

the transition to a clean energy economy.

“Currently, many of the research topics that were performed by the USBM are an unfunded mandate that Congress needs to address immediately in conjunction with its appropriations to support the clean energy transition, including recovering critical minerals from legacy mine wastes, batteries and recycled e-waste, all of which require mining, metallurgical and mineral processing expertise,” the concept paper states.

“Although there is some expertise in the Departments of Energy, the Interior, Defense and other federal agencies on critical minerals and some cross-agency coordination, there is no centralized federal agency like the USBM with the expertise to provide the leadership necessary to effectively conduct, direct and coordinate federally funded critical minerals R&D projects. Consequently, Congress’ recent critical minerals appropriations functionally outsource many mineral processing, recycling and other important critical minerals research topics to academia and the private sector with relatively little federal supervision and coordination. Additionally, there is no technical group that can readily help Congress fulfill its oversight obligations to ensure that expenditures of taxpayer monies on critical minerals projects are achieving their intended purposes,” the concept paper continues.

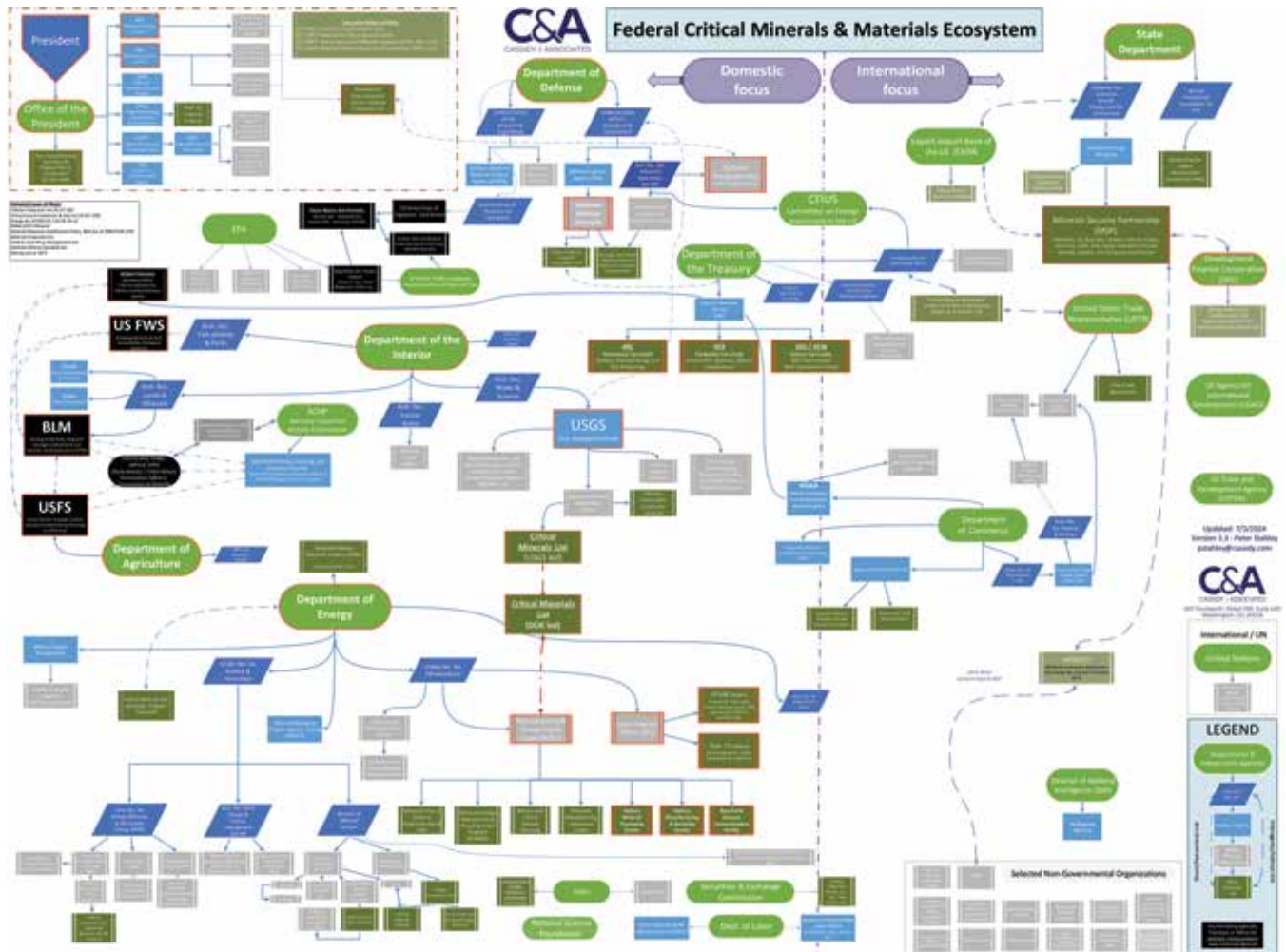
The NMMC would perform in-house materials and minerals R&D to increase domestic mining and mineral processing, improve mineral recoveries and reduce environmental impacts, ensure worker health and safety, and optimize mine reclamation outcomes. It is likely that some of this research would be performed in cooperation with the nation’s mining schools to capitalize on their existing laboratories and faculty expertise and to help train the next generation of mining professionals.

The NMMC would also furnish technical assistance and perform oversight on third-party critical materials and critical minerals R&D subsidized with federal grants and loans to capitalize on these investments of taxpayer dollars and to ensure timely technology transfer to the industry at large.

“Research is needed to improve almost every aspect of the materials production cycle including: removing minerals from the earth; enhancing materials performance; increasing mineral recoveries; reducing energy consumption in mining and mineral processing operations; pursuing waste management technologies and resource conservation; ensuring the health and safety of the workers in the nation’s mines and

Figure 1

The federal critical minerals and materials ecosystem.



mineral processing plants and minimizing and mitigating the environmental impacts of mining and mineral processing,” the paper states.

Government awareness

The U.S. government has recognized the need for more minerals. Since 2021, Congress has appropriated trillions of dollars to support critical minerals. The Bipartisan Infrastructure Law (BIL) of 2021, the Inflation Reduction Act of 2022, the CHIPS and Science Act of 2022 and the National Defense Authorization Act for Fiscal Year 2023 (NDAA) have appropriated funding for domestic critical mineral projects.

As noted in the 2023 IWG report, in order to cultivate an environment conducive to rebuilding the U.S. mining sector, the federal government needs to promote a stream of consistent and widely available geologic data, technology and support infrastructure, as well as dedicated funding for mining science, metallurgy and mining education.

Some examples of recent appropriations

include (1) \$858 billion in the NDAA for the development of a federal strategy to recycle and recover critical minerals from batteries used in the federal electric-vehicle fleet, (2) approximately \$3 billion in the BIL to “establish a program to inventory, assess, decommission, reclaim, respond to hazardous substance releases, and remediate abandoned hardrock mine land based on conditions including need, public health and safety, potential environmental harm, and other land use priorities,” (3) approximately \$5 billion earmarked for conditional loan commitments for domestic critical minerals projects authorized by Department of Energy’s (DOE) Loan Program Office and (4) \$6 billion committed in the BIL to support grants for demonstration and commercial facilities associated with battery materials processing and battery manufacturing.

Permitting

While the USBM did not have mine permitting authority it did provide technical

guidance during the permitting process. The issue of mine permitting in the United States was discussed during the May 30 roundtable where it was noted that the United States has one of the most complex and cumbersome permitting processes in the world.

According to the NMA, the U.S. permitting process, which requires multiple permits and multiple agencies as well as the involvement of other stakeholders including local indigenous groups, the general public and nongovernmental organizations, has created an inefficient permitting system.

The NMA reported that it takes on average seven to 10 years to secure the permits needed to commence operations in the United States, while in Canada and Australia, countries with similarly stringent environmental regulations, the average permitting period is two years.

“In these countries, the timeline for the government to respond is more clearly outlined, the permitting agency leading the process is clearly identified from the outset, and the responsibility for preparing a well-structured environmental review is given to the mining company, not the government,” the NMA states in its fact sheet titled “Delays in the U.S. Mine Permitting Process Impair and Discourage Mining at Home.”

The NMMC would help federal agencies evaluate the economic mineral development potential of federal lands being considered for withdrawal from mining or subject to proposed federal land management designations that would limit mineral exploration and development.

The NMMC would also identify federal lands with high development potential for critical materials and minerals and make this information available to the public to stimulate private-sector exploration of these lands and to inform land use and resource management plans of federal land management agencies such as the U.S. Bureau of Land Management and the U.S. Forest Service. And the NMMC would assist federal regulatory agencies, such as the U.S. Bureau of Land Management, the U.S. Forest Service, the U.S. Environmental Protection Agency, and the U.S. Army Corps of Engineers, evaluate technical issues associated with permit applications for mining and mineral processing operations.

Next steps

The concept paper “Why the U.S. Needs a Materials and Minerals Council” was published on the SME website in September 2024 and introduced to SME leadership at the SME

Midyear Meeting in Las Vegas, NV with support from the NMA and the AEMA.

On Sept. 12, the Unearth Innovation Act and the National Critical Minerals Council Act were introduced to the U.S. Senate by Senators John Hickenlooper (D-CO) and Thom Tillis (R-NC).

The Unearth Innovation Act would establish a mining and mineral innovation program within the U.S. Department of Energy and \$100 million appropriations for 10 fiscal years to drive the research, development and commercialization of advanced mining, recycling and processing technologies. The program prioritizes practices and technologies that reduce environmental and human impacts, improve outcomes for communities, and reclaim and remediate existing mine and waste sites. These strategic investments are designed to secure domestic critical mineral supply chains, reduce the environmental and human footprint of future mining operations, and diminish the need for new mining through innovative technologies.

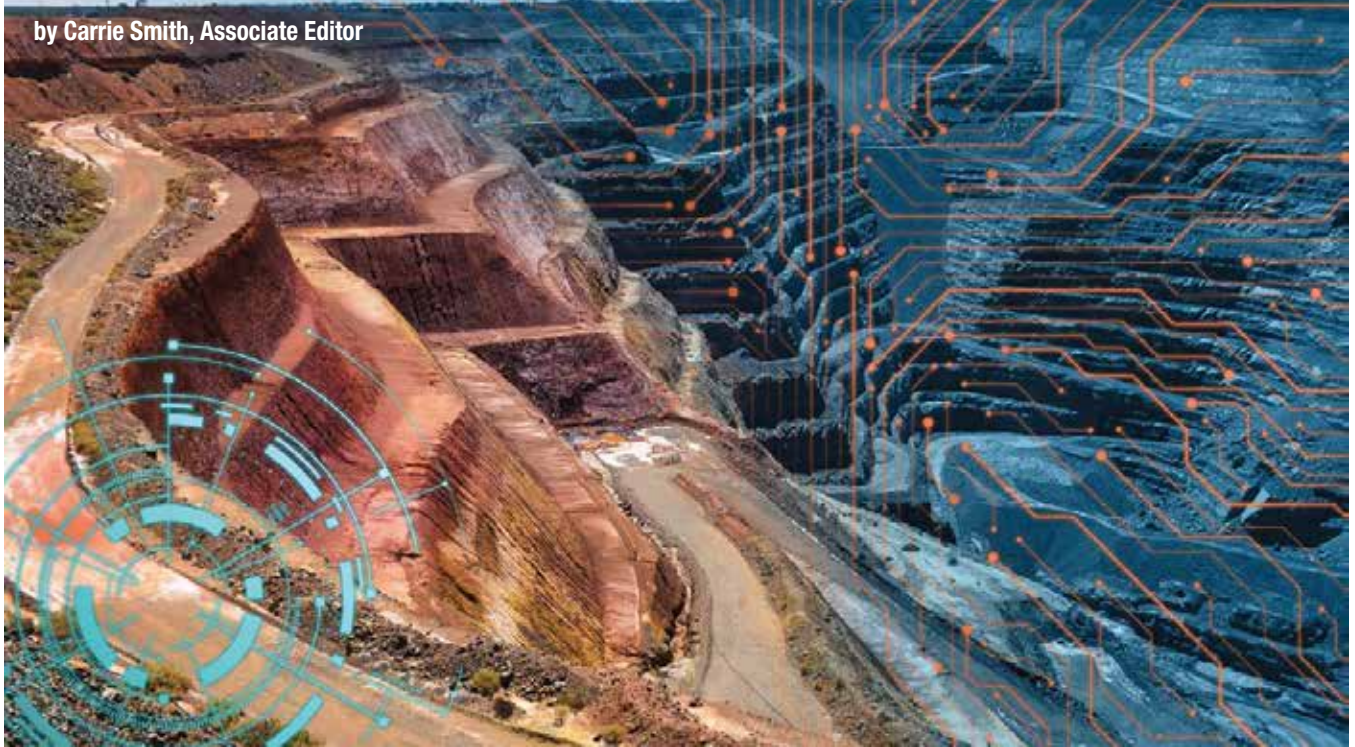
The National Critical Minerals Council Act would create a National Critical Minerals Council, chaired by the Vice President, to develop and implement a comprehensive national strategy aimed at reducing U.S. dependence on foreign adversaries for critical minerals and addressing vulnerabilities in the mineral supply chain. A chief minerals advisor, appointed by the President, would oversee the council’s operations and collaborate with experts from universities, industry, governments, civil society and tribal nations. SME hopes that Senators Hickenlooper and Tillis will reintroduce these bills in the 119th U.S. Congress.

SME also hopes that the U.S. Mining Schools Act of 2023, which was unanimously passed by the U.S. Senate on July 11, will be reintroduced in the 119th Congress. The U.S. Mining Schools Act would help boost American energy and mineral security by supporting U.S. mining schools so that they can recruit and train the next generation of miners.

Upon passage of this bill by the Senate, Ranking Member John Barrasso (R-WY) who introduced the act in 2023 said, “The United States cannot afford to be dependent on China, Russia and other adversaries for minerals. We need access to minerals on federal lands. We also need to reinvigorate America’s mining workforce. I applaud the Senate for passing this bipartisan legislation to provide federal assistance to mining programs at public colleges and universities. It’s high time we support and honor the men and women who devote their lives to providing the minerals that we need for our economy and national defense.” ■

Meet the future of mining at MINEXCHANGE 2025

by Carrie Smith, Associate Editor



The MINEXCHANGE 2025 SME Annual Conference & Expo, scheduled for Feb. 23–26, at the Colorado Convention Center in Denver, CO, is poised to be a pivotal event for mining professionals worldwide. Co-located with World Gold 2025, this year's conference offers attendees an enriched experience with a focus on the gold sector.

“What’s great about MINEXCHANGE is that everyone will be able to find a plethora of programming that’s of particular interest to them,” said program chair Jayson Ripke. “You’re surrounded by people as excited and passionate about the mining industry as you.”

Robust program

The conference agenda is robust, featuring a comprehensive technical program that spans three days of cross-industry sessions. These sessions are designed to provide insights into the latest innovations and practices in the mining industry. Additionally, pre-conference short courses are available for those looking to deepen

their knowledge of specific industry topics.

“This year’s conference will be different from others in the past since the technical sessions developed by the divisions have the latest and greatest information that we’re all interested in. Having the World Gold 2025 co-located with MINEXCHANGE is new,” said Ripke.

World Gold will play a significant role in this year’s conference, discussing the future of the gold industry, from advances in geometallurgy and sustainable mining practices, to blockchain applications in gold as a digital asset. A robust program of 50 peer-reviewed papers presented across eight sessions will provide attendees with cutting-edge insights into the latest research and technologies.

The exhibit hall at MINEXCHANGE will showcase new products, comprehensive services and integrated solutions from some of the biggest names in the mining industry. Attendees will have the opportunity to listen in on a variety of lectures, with topics ranging from technological advances, transformative practices,





Networking events are held throughout the conference.

IdeaExchange sessions in the Exhibit Hall are well attended.

professional developments and more.

“The goal of this year’s program committee was achieved by having the program chairs for each division work with their associated unit committees to identify the best possible session topics that provide value to SME members,” said Ripke.

Keynote on AI

Author and business executive Terry Jones will kick off the conference on Monday, Feb. 24, with his keynote talk on “AI: Innovation and Disruption — The Path Forward.” Jones, a technology pioneer instrumental in creating the trillion-dollar e-commerce travel industry, brings a wealth of experience in innovation and digital

transformation.

In his address, Jones will explore how artificial intelligence (AI) technologies — including machine learning, predictive analytics and automation — are revolutionizing traditional mining practices by enhancing efficiency, safety and sustainability. He will discuss the integration of AI in optimizing mineral extraction processes and resource management, as well as its role in reducing human risk through automation in hazardous environments. Attendees can expect insights into strategies for incorporating

AI into organizational structures, addressing data challenges associated with AI implementation, assessing workforce impacts due to AI advancements and more.

The keynote session promises to provide valuable perspectives on leveraging AI to drive innovation while addressing environmental concerns and operational challenges in an increasingly competitive market.

Signature lecturers

The conference will also feature signature lecturers and lunch speakers each day of the conference. On Monday, world-renowned porphyry copper geologist and economic geologist Jose A. Perello will speak about high-grade hypogene porphyry copper deposits. Shortly after, the Mineral & Metallurgical Processing Division (MPD) will hold its MPD plenary session, featuring lectures by the Antoine M. Gaudin, Robert H. Richard and Milton E. Wadsworth award recipients. These topics will range from nano science and the production of heavy oil to particle flotation technology and metal extraction and recovery.

“For the MPD, “critical minerals processing and refining” and “full valorization of ore bodies through byproduct recovery” emerged as key themes across all sessions,” said Ripke.

On Tuesday at the Women of SME Breakfast, Ph.D. student and graduate assistant Sharon Saffold will discuss how to empower and



retain women in the mining industry. Later in the day, the Environmental Division Lunch will feature speaker Kimberly Finke Morrison, president of Morrison Solutions, who will discuss transformation tailings. Simultaneously, Brad Estes, senior vice president of Construction Materials and Granite Construction and Jopel Galassini, executive vice president of Commercial Cement and Cemex will speak at the Industrial Minerals & Aggregates Division Lunch while Paul Vining, chairman of the board of the Fraizer Quarry, will speak at the Coal & Energy Division Lunch.

At the Mineral & Metallurgical Processing Division Lunch on Wednesday, Michael D.S. Blois, director of development at Orion Resource Partners and an expert on innovative mining technology, will discuss the application of contingency in the development of new technologies. Meanwhile, Mining & Exploration Lunch speaker Ronald Parratt, principal at Renaissance Exploration and a geologist expert with direct involvement in the discovery of Rabbit Creek (now Twin Creeks), will discuss the exploration and cultivation of gold deposits in Nevada.

“A guideline that we like to follow is then for each session chair to build their dream session (program) by asking themselves: ‘Within your area of expertise, what papers and authors do you most want to see?’ Those are the kind of sessions that provide value to the audience and draw the crowds,” said Ripke.

Networking events

Tacking onto the plethora of invigorating activities at MINEXCHANGE, delegates can attend the MPD’s Scotch Nightcap and Student Poster Contest, as well as the Health & Safety Division’s 5k run. Networking is a cornerstone of MINEXCHANGE, with numerous functions



planned to facilitate the exchange of ideas and the cultivation of professional relationships. Attendees can look forward to engaging with industry leaders, educators and innovators, expanding their professional networks in a dynamic environment.

Comprehensive platform

MINEXCHANGE 2025 is set to deliver a comprehensive platform for professional development, technological advancements and insight into industry growth. Continuously building on the development of the mining industry, MINEXCHANGE provides a place for all individuals to come together and create a positive change for society.

“As the world evolves, mining, mineral processing and exploration are adapting to meet society’s needs,” said Ripke. “The future of mining includes innovation with artificial intelligence, renewable energy, increasing automation and digitization.”

Join SME and other professionals for a must-attend event, committed to meeting the needs of civilization through mining. ■

MINEXCHANGE will offer a host of networking functions such as division luncheons and other social events.

Upcoming Events

SME MN 2025
2025 SME Minnesota Conference

SME Minnesota Conference
April 7-9, 2025 | Virginia, MN

SME RETC2025
Rapid Excavation & Tunneling Conference

Rapid Excavation & Tunneling Conference
June 8-11, 2025 | Dallas, TX

SME FGIM
THE FORUM ON THE GEOLOGY OF INDUSTRIAL MINERALS

The Forum on the Geology of Industrial Minerals
May 13-15, 2025 | Salt Lake City, UT

SME 44th ICGCM
International Conference on Ground Control in Mining

International Conference on Ground Control in Mining
July 21-24, 2025 | Canonsburg, PA

How training improves safe and efficient conveyor design decisions

by R. Todd Swinderman

There are numerous conveyor design generalizations that are accepted as “axioms” (established rules or processes assumed to be true regardless of evidence). They seemingly require no proof due to their long-standing use in conveyor fabrication and operation. This begs

these rules are often long gone or fast retiring, so there is a need to provide younger operators and maintenance personnel with the knowledge to avoid the expensive — and sometimes dangerous — trial and error associated with applying many of the handed-down design rules.

Training based on a combination of industry experience and engineering will greatly improve design decisions, resulting in higher productivity, fewer safety incidents and reduced unplanned outages. Certified training courses will offer staff a wider view of modern solutions and allow them to apply that knowledge to improve safety and productivity to operations.

Historical design axioms

Undoubtedly, many design principles are the result of the early years of conveyor use and were developed by trial and error. Others emerged in codes developed in the early 20th century due to catastrophic equipment failures, correlated with injury risks or connected to industrial disease outbreaks. Some are based on testing performed for early design manuals, but the original data have been lost. Yet the truisms live on. Then, each industry and even each location developed its own rules. These were written into company specifications based on successfully treating symptoms rather than root causes, which can lead to costly and unsafe practices later.

There are often differences in rules by industry and many of them have no real engineering basis, instead being based on doing things the “same as before.” Since the modern conveyor was developed in the early 1900s, much has changed in conveyor belt construction, capacities and regulations. Conveyors are still sources of pollution and accidents, so it seems clear that “same as before” just isn’t good enough. The rules selected for discussion in Table 1 are just a few of many common conveyor design guidelines that often contradict each other.

Table 1
Common design rule examples.

Category	Guiding axiom	Affects	Reference
Material size	Lump weight two to three times nominal material mass	Idler selection, impact force	[1]
	Maximum lump diagonal 2.5 times nominal for graded material and 3.0 times nominal for ungraded	Belt width, chute and skirtboard dimensions	[2]
Skirtboards	Skirtboard width two-thirds of the belt width, half of belt width for free-flowing materials	Side sealing, belt mistracking	[1]
	Skirtboard width three times the maximum lump size	Chute clogging, skirtboard dimensions, belt width	[5]
	Skirtboard extension 1.5 m + 0.6 m for every 1 m/s (5 ft + 1 ft per 100 fpm) of belt speed	Skirtboard dimensions, spillage and leakage	[3]
	Skirtboard length four times belt width	Skirtboard dimensions	[4]
Tracking	Training idlers spaced from 31 to 46 m (100 to 150 ft) apart, and at least one training idler on conveyors less than 31 m (100 ft) long	Pulley face width, mistracking allowance, belt cleaning, spillage and leakage	[1]

[1] Belt Conveyors for Bulk Materials, 7th Ed., Conveyor Equipment Manufacturers Association

[2] Crushing Plant Layout and Design Considerations, K. Boyd, 2002

[3] Army Corps of Engineers/NIOSH RI 9698

[4] OCC Belt Analyst Training, May 2015

[5] Mining research contract report (February 1987); Bureau of Mines Open File Report 2-88, p.22; Dust Control Handbook for Minerals Processing; Contract No. J0235005; Martin Marietta Corporation. Martin Marietta Laboratories.

the question: If these rules are proven to address common problems, then why do we still have all the issues of chute plugging, belt damage, dust, spillage and injuries when operating bulk material handling conveyors? Unless the designer has solid, real-world knowledge in bulk material handling and can make educated assumptions when applying the rules, it is easy to make mistakes. Those who established

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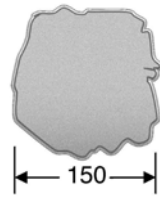
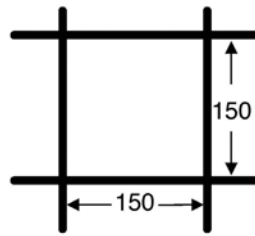
Figure 1

Lump and slab mass example calculation. (Source: Copyright © 2025 Martin Engineering)

Material size

As high-concentration ore bodies are depleted, the remaining bulk material needs more processing to remove refuse and size the material for processing. The cost of raw materials also drives processors to accept lower-grade materials with a higher percentage of fines. When the quantity, quality or sources of the bulk material change, the design must anticipate new handling challenges. It may be that “nominal lump size” is the biggest lie in bulk material handling, as the actual lump size in production is typically much larger than the design specification. This discrepancy in lump size from specified to actual is often due to adjusting crushers or screens to increase production, from gradual wear or from longer maintenance intervals.

The lump size and percentage of fines provide guidance on selecting the belt width and then the skirtboard width and height. In Table 1, the references state that the lump size is to be considered two to three times the nominal or specified lump size. The lump size also influences



Limestone, Crushed

Bulk Density	~1440 kg/m ³
Solid Density	~2700 kg/m ³
Lump Volume	~ $\frac{4}{3} \times \pi \times r^3$
Slab/Rod Volume	~ $\pi \times r^2 \times L$
Lump Mass	~ 4.8 kg
Slab/Rod Mass	~ 21.5 kg (L= 3 × D)

idler selection due to impact forces. Picking the maximum lump size also depends on how the material tends to fracture — into lumps or slabs. It may well be that a slab is much longer than two to three times the nominal size, while at the other extreme, lumps may tend to be more spherical. Understanding the material, its properties and behavior is critical not just for idler selection, but for many other considerations such as chute size and slope. For example, just because experience shows that on one conveyor limestone flows well on a 50-degree chute slope does not mean material from another pit or seam will flow down the same chute.

Bulk materials are hard enough to handle when consistent in size, physical properties and percent of fines. In Fig. 1, if the bulk density of 1,440 kg/m³ (90 lb/cu ft) is used rather than the solid or specific density of 2700 kg/m³ (169 lb/cu ft), the mass used for idler and impact cradle selection would be almost 50 percent underestimated, almost guaranteeing premature failures. For a slab or rod shape, the error could be significantly more than if using the nominal lump size. Lump or slab mass is a direct variable inputted into the idler and impact cradle selection methodologies. Correct maximum size and mass calculations can also affect belt selection (Fig. 2). As the percentage of fines increases,

Training in specialized conveyor maintenance programs expose workers to safe modern methods.

Figure 2

Lumps versus fines and belt width. (Source: Conveyor Equipment Manufacturers Association, Belt Conveyors for Bulk Solids, 7th Ed., Fig. 4.2)

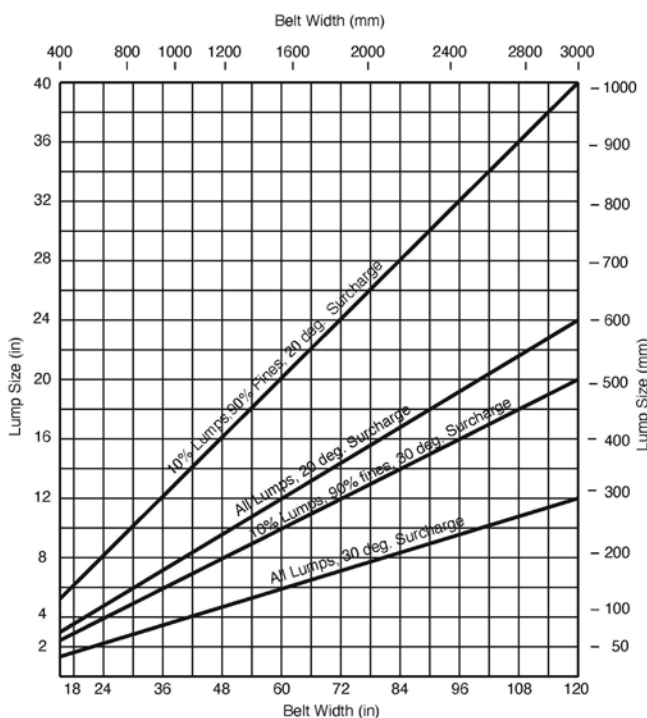
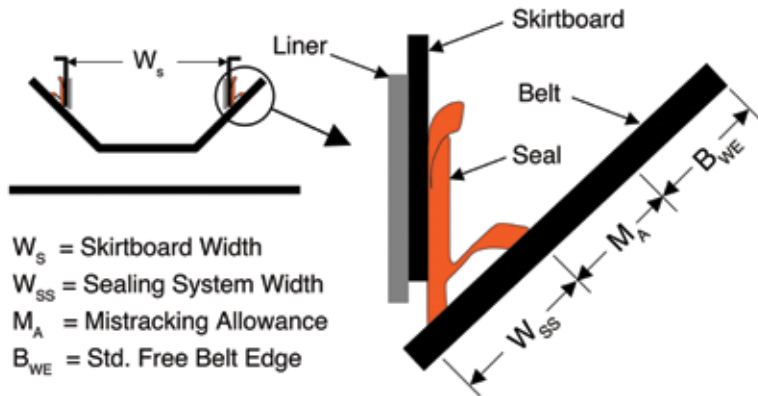


Figure 3

Inputs for belt sealing, mistracking and spillage for determining skirtboard width. (Source: Copyright © 2025 Martin Engineering)



the size of the lumps that can be tolerated on narrower belts also increases. In this example, 150 mm (approximately 6 in.) lumps and 10 percent fines, for a material with a 30-degree surcharge, can be handled on a 900-mm (approximately 36-in.) belt, whereas if the cargo was 100 percent lumps, it would require a 1,600-mm (approximately 60-in.) belt.

Skirtboards

For the width of the skirtboards, most specifications follow the Conveyor Equipment Manufacturers Association (CEMA) recommendation of two-thirds of the belt width for most materials or half belt width for free-flowing materials, while the International Standards Organization (ISO) does not make a specific skirtboard width recommendation. CEMA and ISO have different

free belt edge formulae for the distance between the loaded material profile and the edge of the belt. The free edge distance beyond the skirtboards is to prevent spillage outside the loading chute due to belt sag between carrying idlers. The free belt edge is often confused with the amount of belt edge necessary in the load zone for sealing systems and belt tracking. CEMA provides some guidance on skirtboard height based on lump size, but not for dust control.

Examining all the factors that go into an engineered loading of material on the belt would require a lengthy discussion of its own. The two-thirds of belt width rule is not generous enough on narrow belts and too generous on wider belts. ISO addresses the free belt edge with two formulae, one for belt widths under 2,000 mm and one for wider belts. In addition to lump size, a main consideration for the skirtboard width is the space needed for the many different types of sealing systems, and to accommodate expected belt mistracking, because most belts mistrack far more than the commonly specified ± 25 mm (approximately 1 in.) allowance on a standard pulley face.

The CEMA guidelines vary from the ISO standards for 36 in., 42 in., 48 in., 54 in. and 60 in. belt widths because the ISO allowances exceed the CEMA standard pulley face widths, and for 54 in., 60 in. and 72 in. belt widths because the ISO standards exceed CEMA manufacturers' standard return idler brackets widths. These variances are easily overcome at the design stage by specifying wider pulley faces, offset return drop brackets and providing the required structural clearances.

Figure 3 illustrates that more than just the free belt edge must be accounted for in determining W_s , the skirtboard width. It is generally accepted that W_s is the inside dimension of the skirtboard uprights. If the wear liner is of significant thickness, such as cast iron or rubber blocks, the thickness of the wear liners should be considered in skirtboard spacing for their effect on conveyor capacity. Sealing system designs vary significantly, so the adequate edge distance in the load zone depends on the actual dimensions of the sealing system specified.

Belt tracking

Theoretically, a properly installed and aligned conveyor system using a belt within manufacturing tolerances,

Conveyor with proper loading and tracking.





with square splice(s) and center loaded should track without the need for training idlers. If most of the training idlers are tied off, it indicates that either they are ineffective or the belt must be constantly re-centered to compensate for structural and component misalignment or belt damage. Too many training idlers can interfere with each other and often make tracking worse. The guideline of installing training idlers a standard distance apart regardless of the quality of the installation and operation does not consider whether they are even needed or how much correction each training idler can generate. Sometimes more is less.

If the belt does not have good contact with the training idlers (≥ 50 percent), the poor contact cannot create enough frictional correction forces to overcome the belt stiffness and move the belt toward the center. It is the same situation when knocking idlers to try to track the belt. Over-adjustment for tracking causes bottom cover wear and consumes more energy than one might think. Training idlers cost more than standard idlers and may be adding unnecessary expense with little benefit.

For a start in locating training idlers, the most critical positions are before the belt enters the tail pulley, after the loading zone, before the belt discharges and before the belt enters the takeup. Portable and underground conveyors may require more training idlers because of the installation tolerances or distortion of the



Photos courtesy of Copyright © 2025 Martin Engineering



structural alignment when portable conveyors are moved. Most belt tracking problems are related to misalignment of the structure, pulleys and idlers, not the absence of enough training idlers.

Conclusion

Today, there are many options for noncommercial conveyor training where companies offer in-person classes or virtual training. Some firms use real-time video conferencing with cell phones to show the actual problems and discuss solutions “live” one-on-one.

With the increased emphasis on dust control and safety, using these “same-as-before” rules probably is not going to mitigate the dust emissions or provide adequate spillage control, resulting in workers’ unnecessary increased exposure to respiratory disease or safety hazards from cleaning. The most effective approach to training examines a plant’s specific conveyor challenges and helps operators run safer, cleaner and more productively by treating the root causes of its problems. The one axiom that still rings true: “If you think education is expensive, try lack of knowledge.” ■

Top left: Dual skirt sealing shown with sufficient free belt edge can be flipped over when worn to double the service life.

Top right: Belt edge damage from mistracking.

Bottom: Modern belt training devices detect slight variations in the belt path and correct them immediately to retain production efficiency.

An overview of industry challenges to the new MSHA silica rule

by Mark Savit

A coalition of mining industry associations led by the National Mining Association (NMA) and the National Stone Sand and Gravel Association (NSSGA) filed a challenge to the new U.S. Mine Safety and Health Administration (MSHA) silica rule in November 2024.

The other members of the coalition are the American Exploration & Mining Association, American Iron and Steel Institute, Portland Cement Association, and Texas Aggregates and Concrete Association. A separate brief was filed by the Sorptive Minerals Institute.

Summary

By way of background, the new rule lowered the permissible exposure limit (PEL) for crystalline silica from 100 $\mu\text{g}/\text{m}^3$ to 50 $\mu\text{g}/\text{m}^3$; established an “action level” at 25 $\mu\text{g}/\text{m}^3$; initiated mandatory sampling requirements, mandatory semiannual reviews of mining conditions and methods, and established medical surveillance requirements for all miners, regardless of their exposure to silica.

By law, challenges to regulations are conducted in a very specific and defined environment. They are filed directly with the Court of Appeals and may only be filed by parties that submitted comments during the rulemaking process. No new evidence may be presented, and the entire proceeding is based on the information in the rulemaking record and the briefs submitted by the parties.

The plaintiffs challenged the new regulation on several grounds. While they did not object to the lowered PEL or the action level, they raised arguments in support of overturning the rule. Those arguments were broadly divided into three aspects of the rule:

1. The sampling and coverage requirements.
2. The permissible abatement methods.
3. The medical surveillance requirements.

Sampling requirements

With regard to the sampling requirements, they argued that sampling should not be

necessary at all mines. Basically, the plaintiffs argued that given the wide range of potential geological conditions at mines, a mine should be able to avoid

the sampling requirements based on objective evidence. Although this example was not used, sampling would be a meaningless exercise for, say, an underground salt mine where crystalline silica is simply not present in the geology.

Arguing further on the sampling issue, the plaintiffs took issue with MSHA requiring mines to act on the basis of a single sample. They argued that MSHA itself recognized that there is wide variability in laboratory analyses of identical samples. Instead, they reasoned, any determination of coverage should be based on multiple samples, which would account for potential variability. They specifically pointed to other MSHA rules which recognize this variability by only basing potential violations on the average of multiple samples.

Compliance methods

With regard to compliance methods, the plaintiffs argued that MSHA’s prohibition on personal protective equipment (PPE) and worker rotation was irrational, inconsistent with MSHA past practice and failed to take existing practice into account. They argued that worker rotation is allowed as a method of compliance with regard to other types of hazards such as heat and radiation, so there was no basis for MSHA to prohibit it as a form of compliance.

The prohibition on worker rotation as a form of compliance also forms the basis for one of the plaintiff’s primary arguments. In its rulemaking, MSHA argued that the new regulation was feasible because the vast majority of mines already meet the new, reduced PEL. However, the plaintiffs argued that the data for MSHA’s argument are based on the fact that most mines with silica exposures currently use worker rotation as a means of compliance. Since the new rule would prohibit worker rotation as a means of compliance, the data on which MSHA based its feasibility determination are fatally flawed. Thus, the plaintiffs argued, compliance with the current rule is infeasible — not because of the lowered PEL, but because of its prohibition on the most effective means of achieving it.

X-ray medical evaluations

Finally, the plaintiffs argued that the rule’s requirement that all miners receive periodic X-ray medical evaluations, regardless of any exposure to silica, exceeds both the scope of the rulemaking and MSHA’s authority.

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Simply put, the rule requires that all new miners receive chest X-rays within 60 days of employment, and again within three years after that, and then again in another two years if there is any evidence of decreased lung function. Current miners must also get X-rays every five years. Each X-ray must be read by a “NIOSH certified B reader” — that is, a radiologist specially trained and certified to read X-rays for signs of black lung and silicosis.

As can be seen, these medical evaluation requirements are extremely broad and not directly related to silica exposure. What is more, its direction based on “any decrease in lung function” could be related to any number of causes, including cigarette smoking, and thus impose extra requirements on mine operators even though the miner’s lung issues have nothing to do with silica exposure. Both the breadth of this requirement and lack of its relation to silica exposure, the plaintiffs argue, render it beyond the authorization of both the statute and the rulemaking.

Sorptive Minerals Institute brief

A separate brief was also filed by the Sorptive Minerals Institute raising a number of arguments generally asserting that the rule should not apply to sorptive clay producers simply because there is no silica present in that material.

Conclusion

These are very generalized descriptions of the arguments raised in the briefs, but they are intended to provide an overview of the challenge that is now taking place.

It is well recognized that this rule was a priority of the prior administration. It is also well recognized that MSHA officials in the administration that preceded it had a very different view of how a silica regulation should look, including the allowance of worker rotation and PPE as a means of compliance.

The screenshot shows the official website of the U.S. Department of Labor, Mine Safety and Health Administration (MSHA). The page is titled "Silica Final Rule (30 CFR Part 60) Resources". It provides information about the final rule, its purpose, and resources for mine operators and miners. The page includes a navigation menu, a home link, and a breadcrumb trail: Home > Silica Final Rule (30 CFR Part 60) Resources. The main content area is titled "Silica Final Rule (30 CFR Part 60) Resources" and contains three sections: "Respirable crystalline silica, or silica dust, is a common occupational hazard for coal and metal/nonmetal (MNM) miners. Silica dust is released through many mining and milling operations, including cutting, drilling, excavating, sanding, and crushing.", "Silica dust can be inhaled easily because the dust particles are so small. Once the silica dust particles are inhaled, they may remain in the lung for a long time. Adverse health effects caused by exposure to respirable crystalline silica include silicosis (acute, accelerated, or chronic silicosis and progressive massive fibrosis), lung cancer, nonmalignant respiratory diseases (e.g., emphysema and chronic bronchitis), and kidney disease. Each of these illnesses is chronic, irreversible, and potentially disabling or fatal.", and "To reduce miner exposures to silica dust and other airborne hazards, MSHA issued a final rule entitled Lowering Miners' Exposure to Respirable Crystalline Silica and Improving Respiratory Protection. This final rule went into effect on June 17, 2024. Coal mine operators must come into compliance with the final rule by April 14, 2025, and MNM mine operators must come into compliance by April 8, 2025." Below the text, there are three icons: "For Mine Operators", "For Miners", and "Additional Resources".

As in any litigation, it is up to the party being sued to respond. There is quite a bit of speculation going around as to what that response may be. It is possible that the Labor Department could simply “confess error” and essentially admit that the plaintiff’s arguments are correct, thereby allowing the rule to simply be revoked. As an alternative, the department could settle with the plaintiffs by agreeing to amend one or more sections of the rule to address their arguments. Of course, the department could also defend the suit and fight against the potential invalidation of the rule.

Legal proceedings usually move at glacial speed, so at this point, what may happen is anybody’s guess. Watch this space for developments. ■

References

- NSSGA v. MSHA 8th Cir. 24-2661
- Sorptive Minerals Institute v. MSHA 8th Cir. 24-1889, 24-2663

The Mine Safety and Health Administration’s webpage on the silica final rule.

me.smenet.org

Tucson meeting underlines infinite thinking in the realm of mining

by Carrie Smith, Associate Editor

The SME Arizona Conference, centered on the development, innovations and technological advances in the mining industry was held Dec. 8-9 in Tucson, AZ. Attendees had the opportunity to expand their professional networks, attend region-specific technical sessions and learn about new projects in the Southwestern United States and Northern Mexico.

Technically driven

“For me, this conference is very technically driven, and you get a fantastic crowd that isn’t just local to Arizona,” said program chair Joseph Keffer, chief engineer for Hydraulics and Pumping at Freeport-McMoRan. “I thought the conference went extremely smoothly, and in my personal opinion this year had the best program since I began going in 2017.”

Prior to the main events on Sunday and Monday, the weekend kicked off with the annual Diggers & Duffers Golf Tournament, an ongoing tradition for the University of Arizona’s SME Student Chapter that acts as the primary fundraiser. The tournament teed off on Saturday at 6 a.m. and ended at 3 p.m. Registration included 18 holes of golf, exclusive goodie bags, unlimited driving-range access and golf carts.

On Sunday, attendees had the opportunity to attend two different workshops: Controlling Acid Mist Pollution for Copper Electrowinning Facilities, and Contemporary Mentoring as a Lever for DEIB. The day concluded with the opportunity to let loose in the evening at the AMIGOS Casino Night.

On Monday, the morning opened with a keynote session sponsored by GHD, Capstone Copper, SLR Consulting and Freeport-McMoRan. Christopher N. Hatton, senior

promoting forward thinking.

Hatton, drawing from his extensive experience, focused on crucial themes for younger engineers entering the field. With a cautionary yet optimistic perspective, he highlighted troubling trends, while sharing actionable advice for navigating the complexities of modern engineering. A key theme of his talk was humility.

“You don’t know it all. You never will,” said Hatton, reminding professionals that success lies in collaboration and collective expertise.

An authority on tailings management, Hatton shared insights from three chapters of SME’s *Tailing Management Handbook: A Lifecycle Approach*, edited by Kimberly Finke Morrison. He stressed that “one size does not fit all” in the world of engineering, particularly in the context of dam safety and tailings facilities. His reflections aimed to foster a mindset that embraced lifelong learning, adaptability and teamwork.

Infinite game

Throughout his presentation, Hatton urged professionals to approach their careers as part of an “infinite game,” focusing on continuous improvement rather than finite wins. In this context, infinite thinkers, he argued, were better equipped to navigate uncertainty and thrive in the long run.

His talk set the stage for the day’s technical sessions, which covered a range of topics within the mining industry. Following his speech, the morning technical sessions commenced, centered on the topics of environmental, geotechnical and mineral processing.

The environmental technical session delivered a wealth of insights into sustainable practices, regulatory updates and community engagement for mining operations. Moderated by Lee-Anna Walker of Freeport-McMoRan, the session brought together a panel of experts who explored critical issues facing the mining industry today. Outside the session room, a student poster session was in progress, with posters displayed for attendees to converse with students between sessions. “I loved that we had 20 student posters, and all the students were able to interact with the overall conference,” said Keffer.

The session opened with Trevor Carlson, a remediation specialist with more than 30 years of experience, stepping in for Matt Williams.



The SME Arizona Conference was held Dec. 8-9 in Tucson, AZ.

vice president, geotechnical engineer and technical fellow at WSP, delivered an insightful presentation titled “Advice for the Future Engineer of Record: Avoid at All Costs.” Introduced by Jesus Romero, Hatton’s address set the tone for an engaging technical program

Carlson and Kirk Craig, both senior principals, discussed integrated water management throughout the life of a mine. Carlson emphasized the importance of diverse strategies for water sustainability, introducing innovative technologies to manage aquifers effectively. Craig highlighted the mounting pressures on water resources, particularly in the arid Southwest, and advocated for the “one water” concept — a holistic approach that treats all water sources as interconnected systems. He underscored the necessity of innovation in water management, given Arizona’s reliance on over-allocated resources like the Colorado River.

Mike Sonenberg of Freeport-McMoRan then provided an update on air quality regulations, detailing significant changes from the U.S. Environmental Protection Agency (EPA) and Arizona Department of Environmental Quality (ADEQ). He outlined key developments, stressing the importance of staying ahead of regulatory changes to maintain environmental and operational standards.

Lastly, Lee Decker of Gallagher & Kennedy provided a legal perspective on water quality regulations affecting Arizona mining operations. He delved into aquifer protection permits, new water quality standards and the evolving scope of the federal Clean Water Act, and emphasized the continued importance of compliance with state and local permits, including the Arizona Pollutant Discharge Elimination System (AZPDES).

Tribal engagement

The session concluded with a presentation by Avi Buckles and Bernadette Carra of West Land Resources, focusing on tribal engagement during mining developments. Buckles and Carra detailed the importance of proactive collaboration with indigenous tribes, particularly in cultural resource management. Their presentation reinforced the idea that meaningful tribal consultation can benefit projects while honoring the deep connections tribes have to their traditional lands.

Once the morning technical sessions



Photo from Shutterstock

wrapped up, attendees gathered within the Grand Ballroom for lunch with an accompanying speech by speaker A. Cory Stevens, senior vice president and president of FM Technical Services at Freeport-McMoRan. Stevens explored the theme of evolving mining strategies to meet future growth, emphasizing the importance of innovation, cost optimization and systems thinking.

Systems thinking

Drawing from his vast experience at one of the world’s largest copper producers, Stevens underscored the growing challenges the mining industry faces as ore grades decline and resources become more difficult to extract.

“We have to squeeze more out of the rock, but there’s less rock to squeeze,” he said, highlighting the industry’s need to continuously adapt its approach to resource extraction.

Stevens acknowledged that traditional methods of mining, like haul truck versus conveyor belt choices, needed a fresh perspective to push the boundaries of efficiency. To this end, Freeport-McMoRan had gathered a group of high-performing, mid-career professionals to rethink the company’s strategies. They applied systems thinking, which, as Stevens explained, provides a more holistic view of the mining business. By breaking down the individual components and interconnecting them, they were able to optimize processes beyond simply reducing mining costs.

Stevens highlighted the importance of

An authority on tailings management, keynote speaker Christopher Hatton of WSP stressed that “one size does not fit all” in the world of engineering, particularly in the context of dam safety and tailings facilities.

The conference concluded with a powerful emphasis on innovation, collaboration and sustainable practices that will shape the future of mining in the Southwestern United States and beyond.

viewing mining as an integrated system, rather than isolated actions. His reference to “infinite thinking” echoed the earlier themes from Hatton’s speech, underscoring long-term planning while being adaptable to the challenges and opportunities that arise. He emphasized that there is no silver-bullet solution to mining’s complex challenges; instead, the key lies in combining multiple technologies with systems thinking for impactful results, stressing the importance of collaboration across the industry.

“Innovation is about finding new ways to do things,” Stevens concluded, reinforcing the idea that it will take a collective effort to meet the demands of the future.

Shortly after his speech, attendees gathered for the afternoon technical sessions, including a discourse of overarching themes within the mining industry, various projects and strategies within Mexico, and the systems and models of geology.

Mine optimization

The mining technical session showcased a series of presentations addressing critical issues facing the mining industry today. The session featured four speakers, who shared their expertise on optimizing mine planning, improving design efficiency and ensuring the success of capital projects.

The first presentation, “We Have a Mine Plan, Now What?” was delivered by Chris Little from South32. He provided an in-depth look

at the development of the Hermosa Project, a major zinc-lead-silver and manganese-zinc-silver deposit in Arizona. Little outlined the evolution of the mine design, emphasizing the importance of continuous improvements in underground mine systems, dewatering and overall efficiency. He discussed the project’s operational readiness, noting that creating systems to optimize safety, productivity and workforce involvement was key to maintaining sustainable operations.

Following this, Harsh Ghatara of Ausenco took the stage to explore “How to Drive Shareholder Value Through Optimized Design.” Ghatara presented the case for optimizing mining projects by balancing capital costs with operational efficiency. His presentation highlighted the importance of early-stage planning, demonstrating through two case studies how optimized design could result in cost savings of up to 75 percent.

Next, Chase McQuillen from Loenbro tackled “The Importance of Pre-Construction to the Success of Capital Projects.” McQuillen focused on the pivotal role of pre-planning in construction, especially in the mining sector, stressing the need for a site-specific safety plan, quality assurance protocols and production planning. McQuillen highlighted the dangers of poor planning, including unrealistic schedules and inadequate mobilization, which could lead to costly delays. His key takeaway was that good planning takes time, and early contractor involvement is essential for laying the groundwork for a successful project.

The final presentation of the session, “Critical Pit Dewatering and Design Considerations,” was delivered by Landon Lines of Burns & McDonnell. Lines explored the complexities of managing water in mining operations, especially in pit dewatering. He discussed the importance of proactive and reactive dewatering systems, explaining how different types of water, such as clear or dirty water, require distinct handling methods.

New projects

The new-project session then commenced,



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showcasing the final presentations for the day before the networking reception. This session provided a forward-looking view of some of the most promising developments in the mining industry, featuring five presentations highlighting innovative projects that blend cutting-edge technology with sustainable practices.

“The new-projects session is always my favorite and always the best attended,” said Keffer. “Everyone wants to know about new up-and-coming projects in Arizona.”

Dewatered tailings, geophysical data and Antler, Hermosa and Van Dyke projects

Kaci Jenkins from Rio Tinto kicked off the session with a deep dive into the benefits of dewatered tailings. Jenkins detailed the tangible advantages, such as reduced water usage, smaller storage areas and minimized environmental risk, and outlined Rio Tinto’s forward-looking strategies. The company is working to accelerate the commissioning process for filtered tailings through testbed designs and collaborative knowledge, sharing with partners like BHP. Jenkins emphasized that Rio Tinto’s efforts aim not only to reduce tailings risks but also to codify best practices for the entire mining industry.

Kyle Lindahl of New World Resources followed with information on the Antler Project, located in Arizona, the heart of U.S. copper production. Lindahl presented the environmentally responsible mine plan, which features a zero-discharge facility, dewatered tailings and underground mining to minimize the project’s footprint. He highlighted the project’s community engagement strategy, which prioritizes local employment, supplier agreements and remediation of legacy waste. Once operational, the Antler Project is poised to have a significant positive economic impact on the region while maintaining rigorous environmental standards.

Next, Skyline Estep from South32 provided an update on the Hermosa Project, emphasizing its role in sustainable mining. As the largest private investment in Southern Arizona’s history, the project combines high-grade zinc resources, manganese deposits and an expansive exploration package of 45,000 acres. Estep outlined milestones for the next few years, including the completion of battery-grade manganese test plants, workforce training and the start of zinc production in 2027. With innovations such as battery-electric vehicles and advanced tailings management, the Hermosa Project aims to set a new benchmark for sustainability in the mining sector.

Ross Taylor from Viridien Group presented

on exploration efforts in southeast Arizona. He showcased the use of new geophysical data, acquired in 2023–2024, to refine geological models and identify mineralized targets. Taylor emphasized the importance of integrating borehole attribution and structural interpretation to enhance exploration accuracy. With this data-driven approach, Viridien Group is uncovering potential opportunities hidden beneath the surface, advancing exploration in a region known for its mineral wealth.

The session concluded with Elmer B. Stewart of Copper Fox Metals discussing the Van Dyke ISCR Project in Globe, AZ. Stewart highlighted the project’s century-long history and its potential for socioeconomic impact, projecting an annual production of 85 million lb of copper. He underscored the project’s small environmental footprint and shared results from recent solubility and mineralogical tests that suggest strong economic feasibility. Stewart’s presentation underscored the transformative potential of in situ copper recovery (ISCR) technologies for Arizona’s mining industry.

Hopeful outlook

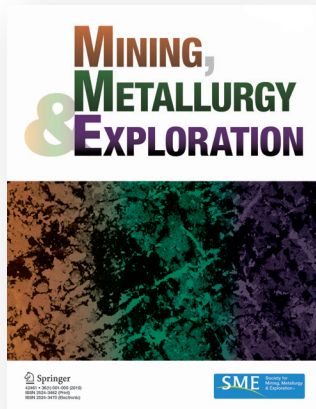
The 2024 SME Arizona Conference concluded with a powerful emphasis on innovation, collaboration and sustainable practices that will shape the future of mining in the Southwestern United States and beyond. The conference discussed the mining industry’s positive development, providing a hopeful outlook for its future.

Speaking on the state of the mining industry, Keffer revealed his thoughts on the industry’s health saying, “Currently, I think the mining industry is in a great place.”

He continued, “Between copper prices and the increasing demand for not just copper but all precious metals and materials, the mining industry should continue to grow. I also think the public perception of mining is changing in a positive way. The only unhealthy aspect of mining I can think of at the moment is the depletion of copper grades throughout the U.S. alongside the increased demand. We need to find ways to open new mines safely and in a timely manner.”

Over the course of two days, industry leaders, experts and students came together to share insights, explore cutting-edge technologies and discuss strategies to address the pressing challenges facing the mining sector. From keynote speeches to technical sessions and poster presentations, the event provided attendees with a comprehensive look at the advancements driving the industry forward. ■

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Invited Extended Abstracts

A review of the applications of through-the-Earth (TTE) communication systems for underground mines

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Keywords: Trapped miners, Electromagnetic waves, Seismic waves, Magnetic induction, Electrodes

Through-the-Earth (TTE) communication systems were developed to provide post-accident communication in underground mines. Unlike primary tracking systems, they do not require any major infrastructure installations underground. Instead, they use the Earth’s overburden as the medium or channel for the transmission of electromagnetic waves between surface and underground. Under ideal conditions, TTE communication systems should be able to provide full-duplex, two-way voice, text and data communication. However, this will depend on the design and optimization of the different types of TTE communication systems (that is, antenna and electrodes), and understanding of the rock properties and their influence on the transmission of signals. This can help simulate and model the transmission efficiencies and predict the possible range and data rates. Being able to optimize the performances of these systems can enhance rescue missions,

improving the chances of saving trapped miners, and ultimately reduce fatality rates across the mining industry.

Introduction

Miners can survive the initial event of an accident but may remain trapped or lost in unknown and life-threatening locations. At this point, emergency rescue is highly desired for any chance of saving the trapped miners. For enhanced rescue missions, knowing the exact locations of the trapped miners is of utmost importance. However, primary through-the-wire (TTW) communication systems (such as twisted pair cables and leaky feeder) and through-the-air (TTA) tagging-and-tracking systems (such as Wi-Fi and Zigbee) are highly susceptible to damage due to the destructive nature of underground accidents. This prompted the need for a post-accident communication system with a better chance of surviving an

accident and remaining operational.

TTE communication systems were developed to provide a solution to this problem. These systems do not require any major infrastructure to operate. Instead, they use or exploit the rock and its properties, such as conductivity, dielectric, permittivity and permeability, as a channel to transmit data-carrying radio signals. TTE communication systems are classified into electromagnetic waves and seismic waves (Fig. 1). The electromagnetic-waves systems are further classified into magnetic inductive and electrode-based. The magnetic inductive systems can be short or long range-based. The short-range systems are referred to as through-the-rock (TTR).

Methodology

This study entailed a comprehensive survey of the research work conducted since the early 1900s to date on the transmission of electromagnetic waves through rock.

Figure 2 highlights some of the groundbreaking research findings and achievements that have helped to advance and enhance the performances of the TTE communication systems. The main goal has been to achieve optimal range and data rates. These systems are based on the transmission of magnetic fields or electric fields at low frequency, LF (30 kHz to 300 kHz), very low frequency, VLF (3 kHz to 30 kHz), voice or ultralow frequency, ULF (300 Hz to 3 kHz) and extremely low frequency, ELF (30 Hz to 300 Hz), wirelessly through rock. Generally, at a frequency of 10 kHz and below, the electromagnetic waves can be transmitted for a significant distance into the Earth but at limited data rates.

Magnetic inductive TTE communication systems

Magnetic inductive TTE communication systems require vertical coupling of an underground and a surface loop antenna or horizontal coupling between two points in a mine tunnel (Fig. 3). This type of system is largely dependent on the efficiency and performance of its antenna, and its ability to compete with the rock properties [1]. Larger loop antennas are more efficient and can reach increased range with

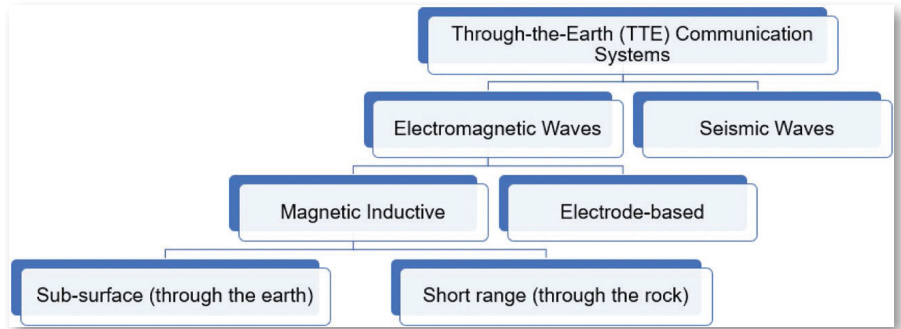


Fig. 1 Classification of through-the-Earth communication systems.

good data rates, but may not be practical for underground mines. This has necessitated the need to modify electrically short antennas by optimizing parameters such as transmitter power, receiver sensitivity, size (diameter, length and mass), number of turns, quality factor (Q), shape, material, tuning, and link-path configuration.

Electrode-based TTE communication systems

Electrode-based TTE communication systems are based on the injection of an electric current of about 1 A into the ground to transmit data. The current is injected into the ground by electrodes inserted and buried into the ground, and received by another pair of electrodes on the other side (Fig. 4) [3]. An electrode-based TTE communication system can be optimized based on the wire, ground and electrode impedances. The aim is to improve the conductivity of the ground to enhance transmission of the electric current.

TTE seismic-waves systems

TTE seismic-waves systems (Fig. 5) use geophysical methods to detect or locate trapped miners. This method, also referred to as a listening device, makes use of base stations consisting of iron plates and sledgehammers installed at regular intervals underground, and of sensitive listening devices (geophones) placed on the surface. In the event of an accident where miners have become trapped underground, the trapped miner must reach a base station and start pounding against the wall to indicate their location.

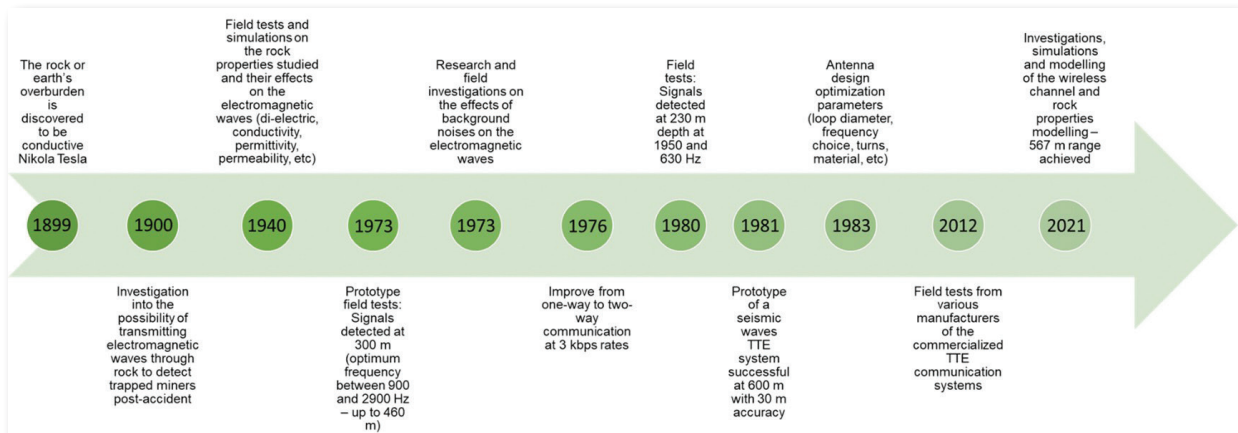


Fig. 2 Highlights of the development of TTE communication systems.

Distinct fingerprint seismic waves are generated by the pounding miner, transmitted through interconnected rock layers and received by the geophones on surface.

Gaps and challenges in the TTE communication systems and future research

Further research should still focus on designing and optimizing innovative antennas with improved radiation and signal reception efficiencies, and with practical sizes suitable for underground mine deployment. The antennas should be explosion-proof and rugged components to protect the systems against impacts from accidents, and easy to deploy underground. Further research should also still be focused on overcoming signal attenuation, path-loss effects, noises and external interferences. There is also a need for further research to develop more robust noise-cancellation algorithms and techniques. Further research is suggested on developing strategies that can be used to improve transmission efficiencies and enhance signal penetration rate, and reduce path loss by implementing techniques such as relay coils and multiple-input multiple-output (MIMO) systems.

Lastly, there is an opportunity to potentially integrate TTE communication systems with existing TTW and TTA communication systems and their infrastructure to function as a single system.

Conclusion

This study reviewed the capabilities and limitations of the different types of TTE communication systems and their applications in underground mines. These systems have been extensively researched and trialled in their applications to establish wireless two-way communication between surface and underground, and for locating trapped miners post-accident.

One of the biggest advantages of these systems is their nonreliance on backbone infrastructure, where the Earth becomes the medium of transmission. However, further research and trials are still required to further improve and modify these systems, particularly in terms of achieving optimal range and data rates.

Overall, with the work that has been done to date and the necessary improvements and modifications, these systems are promising as an integral part of the safety of underground mines and can play a critical role in saving survivors post-accident. This will reduce fatalities rates and ultimately improve overall safety in the mining industry. ■

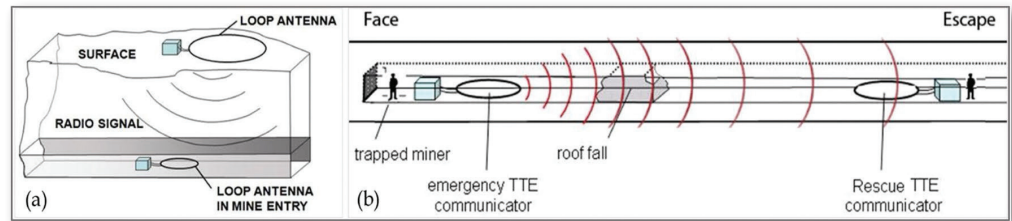


Fig. 3 Demonstration of the magnetic inductive TTE communication system [2].

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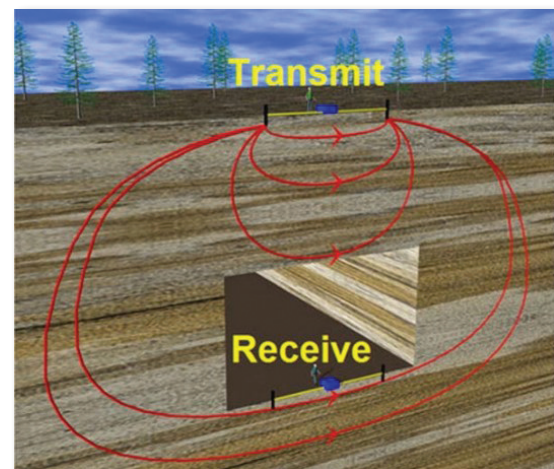


Fig. 4 Demonstration of the electrode-based TTE communication system [4].

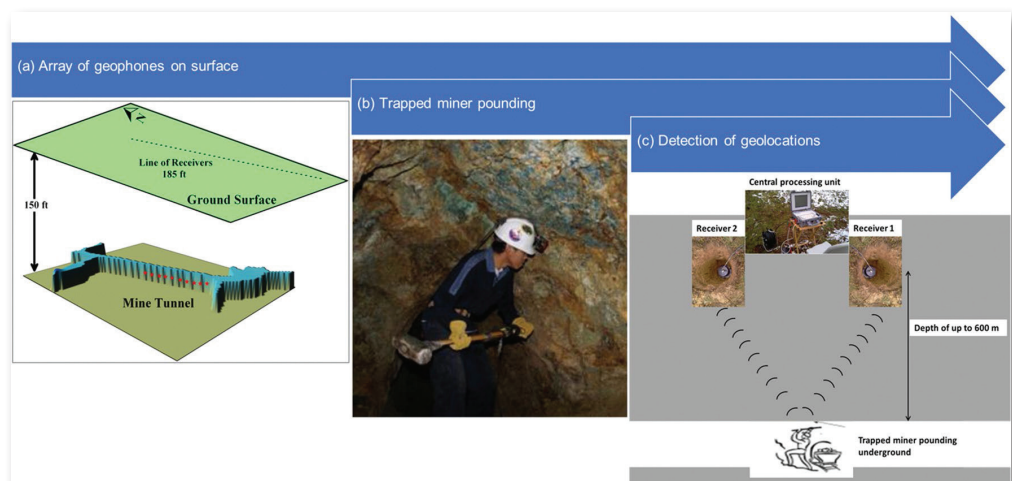


Fig. 5 Demonstration of the TTE seismic-waves system [5].

Augmented-reality system for training of heavy-equipment operators in surface mining

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Keywords: Augmented reality, HoloLens 2, Microsoft Power Platform, HEOs, Mine safety training

The mining industry's commitment to innovation reflects a history of adopting technological advancements to enhance workplace safety, environmental sustainability and vocational training. The objective of this research was to develop an augmented-reality (AR) system for heavy-equipment operators (HEOs) in surface mining. The developed system has the potential to enhance mine safety, training and data-driven decision-making, which presents a significant step toward a more sustainable, effective and technologically driven mining training, contributing to the industry's evolution and growth. The AR training system leverages Microsoft's Power Platform and HoloLens 2 capacities to provide operators with detailed and immersive training guides for three mining equipment, including bulldozers, motor graders and haul trucks. AR guides combine speech controls, 3D objects, informative images and explicative videos in the real working conditions to enhance the operator's learning process. The system has the potential to modify the training structure based on user performance and provides an efficient approach to data collection during training. This project was developed and applied through a case study in a surface mine in the Southern United States.

Background

U.S. federal law outlines in the Code of Federal Regulations Title 30 the permissible training methods in mining, which includes classroom instruction, on-site training, interactive computer-based instruction or any other technology-based training methods. The U.S. Mine Safety and Health Administration (MSHA) recognizes computer-based and interactive training technologies as viable methods and establishes that the presence of a competent person may not necessarily be required in a training room. However, lack of structured training and inadequate equipment inspections continue to contribute to mining injuries. Thus, modernizing

and innovating training programs that effectively engage inexperienced employees is still an urgent challenge for the sector.

Heavy equipment in mining is frequently under extreme conditions, resulting in exponential wear, abrupt breakdowns or failures. Therefore, HEOs are required by law to inspect and ensure the equipment is free from defects prior to operation. Failure to conduct a proper pre-operation inspection may lead to machinery wear-related accidents, causing considerable injuries to employees and damage to the equipment, affecting the company's safety goals, profitability and reputation.

The complexity of equipment inspections relies on factors such as machinery type, operator experience, machine wear, allotted time, and knowledge gained through training. Hence, standardized training can bring a high value to the entire mining process, minimize operational errors and improve equipment efficiency.

Methodology

This research leverages the capacities of the Microsoft Power Platform and HoloLens 2 device to develop, display, store and analyze the AR training system. It uses cloud computing services such as Dynamics 365 Guides, Power BI, Power Apps and others to integrate a single business solution, providing robust security, reliability and scalability. HoloLens 2 facilitates interaction through hand movements, voice commands, spatialized sound, eye tracking and real-world anchoring, creating an immersive mixed-reality environment for effective operator engagement.

The system comprises three AR training guides, an evaluation application and data management tools for bulldozers, motor graders and haul trucks. Each guide provides standardized step-by-step instructions supported by interactive



Fig. 1 AR training guides in the mining environment.

content anchored to a unique QR code. The interaction with the system, including operator's gaze patterns and task completion times, are recorded for analysis through the Admin Center and Power BI, providing training adoption insights and performance trends.

Holographic images and videos offer dynamic instructions for complex procedures and emphasize safety compliance, while 3D content indicates specific components and action sequences in real working conditions. At the end of the training session, an evaluation application is displayed to assess the knowledge acquired through an actual inspection. This system not only enhances training effectiveness and safety compliance but also provides data-driven insights to refine training strategies over time.

Results and discussion

This AR training system presents an innovative way to engage employees more effectively, store training records and obtain performance insights. The system demonstrated remarkable versatility and scalability due to QR-code technology, which allows training guides to adapt to different locations or mine sites and facilitates follow-ups at local and corporate levels. However, the precision of training may vary depending on equipment models, as component locations can differ. QR codes must be affixed in the same positions as during guide development to ensure accurate holographic overlays.

The training is structured into sequential tasks and steps, reflecting the inspection workflow: Safety Task, Front View, Right View, Rear View, Left View, Cabin/Deck and a Pre-operation Inspection Test. Each training guide incorporates six primary tasks, with steps tailored to the complexity and location of equipment components. Trainees receive instructions right in the equipment, enhanced by holographic information developed in collaboration with mine personnel, as shown in Fig. 1. The dynamic content automatically appears and disappears as operators trigger voice commands, eliminating the need for manual interaction with the AR information.

Quizzes integrated at the end of each task assess trainees' comprehension before advancing to subsequent tasks. Besides, a final evaluation requires trainees to perform an actual pre-operation inspection, which is also recorded in compliance with MSHA regulations. Figure 2 illustrates this feature.

The system provides

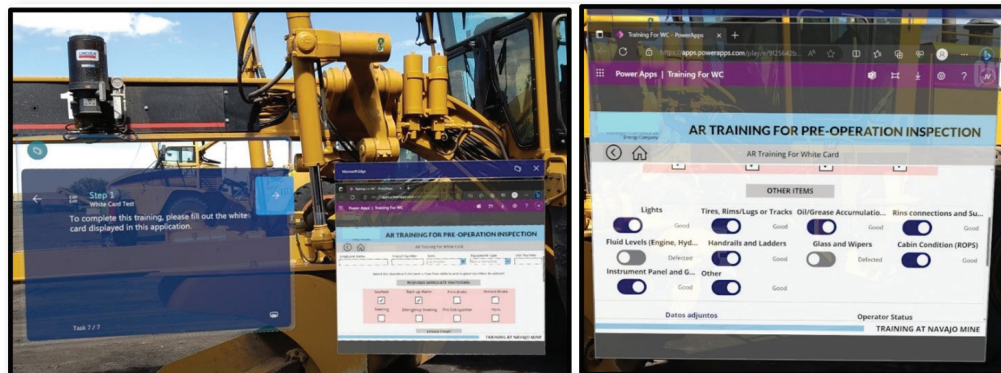


Fig. 2 Evaluation training app launched in an augmented-reality space.

detailed insights by users and mine location, including time spent per step and task complexity, as showcased in Fig. 3. Trainers can leverage this data to evaluate system efficacy, refine content and offer targeted guidance. Scalability remains a standout feature, enabling centralized management of training data across mines or even countries by using QR-code technology.

Conclusion

Safety and effective training are critical in the mining industry to ensure operational success. This research developed an AR training system for bulldozers, motor graders and haul trucks to provide step-by-step holographic instructions and enhance pre-operation inspection training. By integrating dynamic visual aids like holographic images, videos and 3D objects, the system creates a hands-on and immersive experience that improves safety, reduces costs and streamlines processes.

The standardized and flexible AR training guides include in situ instructions, quizzes and evaluation tasks to ensure operators master procedures before operating a piece of heavy equipment, fostering competence and compliance with MSHA standards. Furthermore, digital and centralized data management tools allow decision-makers to analyze performance, address weaknesses and personalize guidance across multiple mine sites through portable QR codes. ■

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A list of all references is available in the full paper.

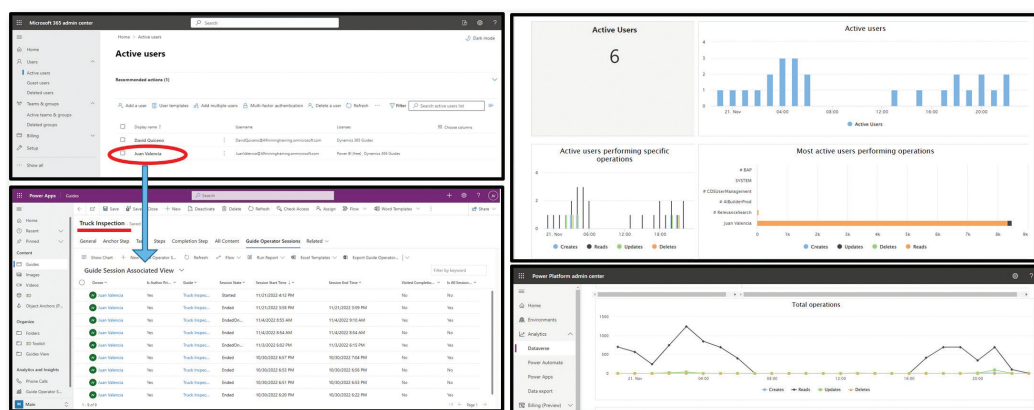


Fig. 3 Historical data visualization of training sessions.

Challenges in the battery raw materials supply chain: Achieving decarbonization from a mineral-extraction perspective

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Keywords: Raw battery materials, Supply chain, Mineral extraction, Policy, Mineral demand

Understanding constraints within the raw battery material supply chain is essential for making informed decisions that will ensure the battery industry's future success. The primary limiting factor for long-term mass production of batteries is mineral extraction constraints. These constraints are highlighted in a first fill analysis which showed significant risks if lithium-ion batteries are used to fully support vehicle electrification and intermittent energy storage. Nickel, lithium, cobalt and graphite reserves risk 100 percent depletion with significant consumption of known resources. Furthermore, more than 700 new critical mineral mines will need to be developed to meet the required production rates for decarbonization by 2050. Demand for critical minerals will outpace mine development timelines even as improvements are made to battery energy density and compositions. Governments and the private sector need to align themselves on decarbonization goals to establish cooperative agreements on the critical mineral supply chain by reducing the barriers to entry and increasing exploration efforts. Additional measures must also be taken to reduce the demand for critical minerals. Policy such as incentivizing public transportation and biking infrastructure can be exploited to drastically reduce the mineral demand placed on the mining industry.

Background

The growing acceptance of global warming risks and government accords has motivated the energy transition from conventional fossil fuels to green energy solutions. One technology that is expected to play a prominent role in the transition is lithium-ion batteries, which are projected to increase by 33 percent per year to 4,700 GWh in 2030 [1]. Most of this demand will come from light duty vehicle (LDV) fleet electrification and battery energy storage. The increased demand will elevate pressure on the raw battery material supply chain to maintain production. The mineral extraction sector is a potential constraint in the supply chain due to the heavy reliance on critical minerals in lithium-ion batteries. This study aims to identify which minerals are at risk, quantify the extent of the constraints and propose opportunities to debottleneck the supply chain to achieve 2050 net-zero emission (NZE) targets.

Methodology

A bottom-up approach was taken to determine the lithium-ion battery demand and subsequent quantity of minerals required to achieve 2050 NZE targets, as shown in Fig. 1. Starting from consumer-based projections, it was assumed the LDV fleet was fully electrified and conventional energy production was from renewable sources (wind, solar) which would require two days of battery storage [2]. Battery energy density and compositions were used to calculate the equivalent number of batteries and corresponding mineral demand for a first fill analysis. The battery mineral demand was compared to known critical mineral reserves, resources, and production quantities to identify constraints. The example shown below is the optimized hybrid case with nickel-manganese-cobalt (NMC) solid-state batteries (SSB) for vehicles usage and lithium-iron-phosphate (LFP) batteries for stationary storage applications.

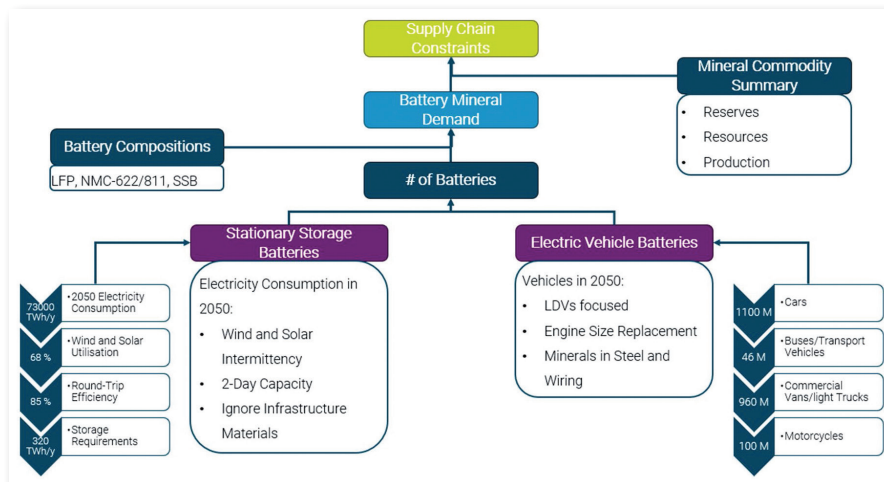


Fig. 1 Bottom-up flow diagram to determine mineral demand based on 2050 projected vehicle and energy storage requirements.

Results

Existing global mineral reserves are

compared against projected 2050 critical mineral demand (Tables 1 and 2). Lithium, nickel, cobalt and graphite reserves are at risk of depletion with our current pathway to decarbonization. Considering current noneconomical mineral resources, a significant quantity will still be consumed but there is a sufficient amount of available minerals to supply the energy transition. The major concern arises when accounting for the timeline to ramp up production rates (Table 3). Assuming mining activities take an aggressive 10 years to be constructed and commissioned, only 17 years (2023 to 2050) are available to supply the necessary critical minerals to achieve 2050 NZE targets. More than 700 new mines would be required to open in the next 10 years to meet production demand for the hybrid SSB+LFP case. This is a significant step up from the differential increase of 10 active mines from 2021 to 2022 [3].

Discussion

The greatest constraint to the battery raw material supply chain will come from the quantity of minerals required and the timeline to develop and meet production demand. Successful development of new mineral extraction operations will be limited based on: (1) the availability of material, equipment and manpower, (2) political will and social tensions surrounding permitting, mineral extraction and mineral trade and (3) the ability to raise sufficient capital in a constrained timeframe.

The immediate solutions to alleviate the mineral extraction constraints are to minimize the metal demand and maximize the time available to achieve ramped-up production. This includes the advancement of current battery technologies (that is, energy density) and pursuing alternative compositions such as sodium-ion batteries with aluminum collectors. In addition, policy can be used to alleviate the barriers for project permitting and incentivize the investment into new sustainable mining operations. Governments and companies need to cooperate to reduce restrictions on raw material trade and develop training programs for the future generations of specialized engineers and operators. Finally, society will have to overcome the existing stigmas against the mineral extraction industry as the additional mines are required for decarbonization of the transportation and energy sectors. Opposition against the industry will further delay global advancement toward the green transition; rather, groups should collaborate to ensure sustainable practices are met while not impeding the extraction of necessary battery raw materials.

Conclusions

This analysis highlights the constraints in the raw battery material supply chain from a mineral extraction perspective. Future battery demand is expected to significantly impact our existing mineral reserves and resources, which are a limited commodity. Increasing production rates to achieve 2050 NZE targets will be the largest challenge. More than 700 new mines are required to provide enough minerals for the optimized SSB+LFP case with other

Table 1 – Comparison of mineral reserves against SSB+LFP demand based on 2050 NZE targets.

Metals	Reserves (kt)	SSB+LFP mineral consumption demand (kt)	To be consumed (percent)
Copper	890,000	209,000	23
Lithium	26,000	42,000	163
Nickel	100,000	84,000	84
Manganese	1,700,000	30,000	2
Cobalt	8,300	11,000	132
Graphite	330,000	408,000	124

Table 2 – Comparison of mineral reserves+resources against SSB+LFP demand based on 2050 NZE targets.

Metals	Reserves+resources (kt)	SSB+LFP mineral consumption demand (kt)	To be consumed (percent)
Copper	3,850,000	209,000	5
Lithium	89,000	42,000	48
Nickel	300,000	84,000	28
Manganese	13,000,000	30,000	0
Cobalt	25,000	11,000	44
Graphite	800,000	408,000	51

compositions requiring even more.

The production constraints are caused by the lead times on equipment, limited specialized mineral extraction experience, societal pushback toward large-scale mining operations, and the ability to obtain capital for projects. The solutions provided in this study aim to both (1) alleviate the amount of minerals consumed and (2) streamline the production ramp-up. Technological development, policy implementation, public-private collaboration and system optimization are at the forefront of available opportunities to achieve 2050 NZE targets. ■

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Table 3 – Comparison of current production and SSB+LFP demand to achieve 2050 NZE targets.

Metals	Current production (kt/y)	SSB+LFP additional production demand (kt/y)	Required additional production (percent)	Number of new mines required
Copper	22,000	12,300	56	123
Lithium	130	2,500	1,920	147
Nickel	3,300	4,930	149	126
Manganese	20,100	1,780	9	1
Cobalt	190	650	340	65
Graphite	1,300	24,000	1,846	253

Characterization of U(-V) deposits in the La Sal district, UT and CO and their relationship to Paradox Basin fluid flow

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Keywords: Sandstone-hosted uranium, Paleofluids, Paradox Basin

A new examination of tabular uranium (U)-vanadium (V) deposits within the La Sal district places mineralization in the context of the complex fluid flow history that has occurred in the Paradox Basin and Colorado Plateau. As the only currently producing district of this deposit type in the region, the La Sal district provides excellent opportunities to study deposit- and district-scale features that can serve as exploration guides where exposure is limited. The absence of major structures along a narrow and elongate mineral trend that runs E-W across the southern part of the Utah-Colorado border indicates a regional lithologic control. The trend was likely influenced by Jurassic drainage patterns, as indicated by paleocurrent directions shown in Fig. 1. Fluvial sandstone host rocks in the Jurassic Morrison Formation contain significant evidence of multiple superimposed fluid systems that have progressively changed local mineralogy. Apart from the presence of ore minerals, remnants of fluid systems are

preserved as cements including quartz overgrowths, compositionally distinct carbonates, and sheet silicates. New geochronology methods provide constraints on the timing of initial mineralization and later remobilization. U-Pb ages of calcite associated with ore minerals provide evidence for Early Cretaceous mineralization, whereas textures and K-Ar ages show that early-formed V-minerals were replaced at the expense of V-bearing micas and clays during the Eocene. The paragenesis of minerals in U(-V) deposits of the La Sal district reflects the complexity of a sedimentary basin with more than 300 million years of fluid flow history.

Introduction

Attention directed toward low-carbon energy sources is renewing interest in U mining due to the commodity's use as nuclear fuel. An important domestic supply of U is derived from tabular, sandstone-hosted deposits that are characteristic of the Paradox Basin and Colorado Plateau. The Uravan mineral belt of southwestern Colorado has been a historic principal source of U with significant V byproduct characteristic of this deposit type. Although the adjoining La Sal mining district contains many shared characteristics, it runs orthogonal to the Uravan belt and provides a useful contrast to study the area's mineral endowment (Fig. 1). This combined with the availability of new field and analytical methods since the last true district-scale study makes the La Sal district highly suitable for reexamination.

Background

The Paradox Basin is a late Paleozoic flexural foreland basin that contains large volumes of evaporites due to arid environments in the Pennsylvanian. In addition to the abundant salt that is characteristic of the region, overlying terrestrial and marine sediments are host to a variety of natural resources including lithium-rich brines, hydrocarbons, copper-silver deposits and, of course, U(-V) deposits. All are a result of fluid-rock interactions that have been ongoing for the last several hundred million years. Apart from these unusual accumulations of commodities, the basin also contains extensive areas where red rocks have been bleached white by fluid passage. The spectacular color variations draws in millions of visitors each year for viewing on public lands. Bleaching, or the removal of red ferric iron phases, is just one instance of how fluids can significantly alter their surroundings with

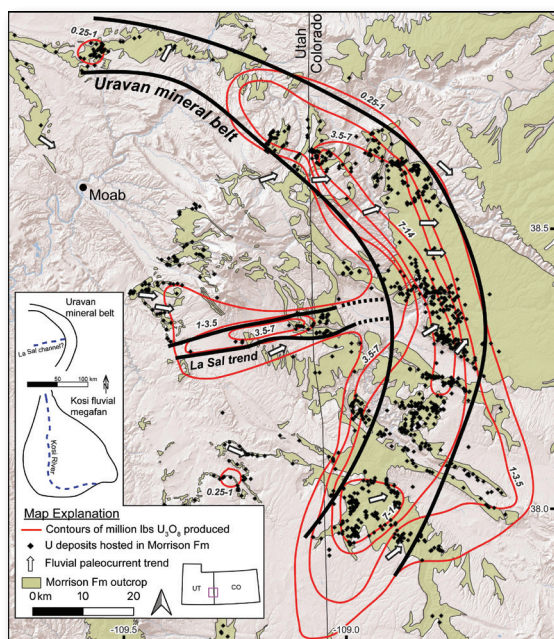


Fig. 1 Generalized geologic map of the Uravan mineral belt showing outcrops of the Morrison formation, paleoflow directions, and millions of pounds of U₃O₈ produced from various districts within the region.

or without formation of ores. This study synthesizes observations related to bleaching and other alteration styles through detailed mapping, petrography and chemical analyses to relate them with prominent U(-V) deposits found in the La Sal district in the central part of the Paradox Basin.

Character and distribution of Salt Wash sandstones and mineralization in the La Sal district

U(-V)-rich sandstones in the La Sal district are representative of those found throughout most of the Colorado Plateau, chiefly as tabular bodies hosted in fluvial sandstones at high stratigraphic levels of the Late Jurassic Salt Wash Member of the Morrison Formation. Recent drilling at the La Sal Mine by Energy Fuels Inc. provided for core-based observations of mineralogy and its distribution in space. The Salt Wash contains multicolored sandstones ranging from red/pink to white (see full paper for photo of the rocks representative of the different lithologies). Black or dark gray ore bodies are intimately associated with white sandstones. The distinguishing features between the different hues lies in their cement mineralogy, as described in Table 1. Notable paragenetic textures among ore and gangue minerals includes the intergrowth of U- and V-minerals with quartz and calcite, ferroan dolomite overgrowths on calcite, and the replacement of primary V-minerals by vanadian sheet silicates that are in turn replaced by supergene uranyl-vanadates. Gangue mineral distribution at the Morning Star Mine in La Sal Canyon varies in space depending on proximity to ore. For example, carbonates are less abundant or absent in the ore body in contrast with quartz cements that are volumetrically important within ore. Additional underground mapping is needed to examine these and other relationships in three-dimensional unweathered exposures.

Though sandstones are the primary ore host, they are separated by thick beds of mudstone that can be red, green, gray or black. Red mudstones are commonly found adjacent to pink or red sandstones, and green mudstones with white

sandstones. Like their coarser-grained equivalents, black mudstones contain ore.

Novel geochronology methods were used to constrain the timing of different minerals' formation. In situ U-Pb dating of calcite intergrown with coffinite yielded an age of 143.8 ± 5.6 Ma. These Early Cretaceous ages are consistent with other geochronology of ores elsewhere on the Plateau. Multiple size fractions of V-illite-bearing ore produced two populations of ages: 41.5 to 36.6 Ma and approximately 4.6 Ma. The Eocene and Pliocene ages likely reflect formation of V-illites and uranyl vanadates, respectively. The Eocene ages parallel that of widespread bleaching and faulting within the Paradox Basin.

Conclusions

Mineral assemblages found in and around U(-V) ore bodies of the La Sal mining district contain several superimposed styles of alteration that vary in space and time. In tabular sandstone ores, paragenetically young pyrite indicates that redbeds were reduced to form sulfides from ferric oxides. Shortly thereafter, precipitation of U and V minerals occurred simultaneously with formation of abundant quartz and small volumes of calcite. Later ferroan dolomites are restricted in space, primarily in unmineralized sandstones where they are overgrown by illite, chlorite and kaolinite. V-rich sheet silicates with similar paragenetic textures are only present in ore bodies. Considering the similarity among different types of U(-V) deposits on the Colorado Plateau, the spatiotemporal observations made at La Sal can be used as first-order guidelines for exploring in areas with little to no exposure. Geochronology provides absolute ages for ore-stage calcite and V-bearing illite that demonstrate phase changes of primary to secondary ore minerals separated by about 100 million years. ■

References

A list of all references is available in the full paper.

Table 1 – Salient features of each of the distinct rock types found in the Salt Wash Member of the Morrison Formation within the La Sal U(-V) district.

Lithology	Detrital mineralogy	Hue	Authigenic mineralogy	Whole rock geochemistry anomalies
Sandstone	fine to medium quartz grains (75-90%), white feldspars (5-10%), lithic fragments (1-5%), detrital clays (1-5%), and organic material (<1%)	Pink (primarily red mudstone intraclasts)	Hematite coatings, pyrite largely absent, low volumetric abundance of quartz, carbonate, and clay cements	Enriched in Ca
		White (primarily green mudstone intraclasts)	Hematite largely absent, moderate volumetric abundance of pyrite, quartz, carbonate, and clay cements	
	additional fossilized organic matter	Tan	Hematite absent, moderate volumetric abundance of pyrite, quartz, Fe-stained carbonate, and clay cements, plant matter replaced by pyrite	
		Black (dark mudstone intraclasts)	Hematite absent, numerous inclusions of montroseite/uraninite/coffinite in abundant quartz cements, low volumetric abundance of carbonate cements, abundant V-bearing illite and chlorite, and abundant uranyl-vanadates	
Mudstone	Very fine grains of quartz and feldspar are also found in low volumetric abundance (<10%) suspended within the clay-rich matrix, rare plant matter	Red (green mottling associated with plant fossils)	Red clays with lower Si/Al and slightly higher (Mg+Fe)/Al clays (primarily illite), rare quartz overgrowths	Enriched in U, V, Se, Cr, Mo, depleted in Ca
		Green	Green clays with higher Si/Al and slightly lower (Mg+Fe)/Al clays (primarily illite)	
	additional invertebrate fossils	Gray		
		Black	Abundant V-bearing illite	

Selected Abstracts

A novel job similarity index for career transition in the mining industry

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Full-text paper:

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Keywords: Future workforce, Job transition, Mining workforce, Personalized training, Workforce transition in mining

In this study, with the primary goal of capturing ongoing digital transformation and automation impacts on the mining industry and its workforce, we conduct several interviews with mining industry experts in the United States and analyze our survey reports qualitatively and quantitatively through exploratory analysis. After the interpretation of the insights of industry experts, we proceed to generate a personalized and customized data analysis through a novel metric based on skills, knowledge, competencies and occupational requirements, which quantifies the job similarities for occupations in the mining industry based on the publicly available database of the U.S. Department of Labor. We use text analytics to tokenize and classify the interviews to capture a better understanding of major response categories. The temporal analysis shows that the critical competency needs in the data science and autonomy category increases from 28 percent in current demands to 43 percent. In defining our metric, we also calculate Kullback–Leibler (KL) divergence for each job profile

that enables determining whether and to what extent that job is transitional in our test set based on the mean, standard deviation and kurtosis of each job of interest. Our analysis reveals that the in-group job transitions are significantly easier than the between-group transitions, proving our initial assumptions and common sense. The generated heat maps provide the opportunity to present the gap between the current job and desired job profiles that provide feasible career change options, among others, offering individualized career paths for job seekers and promoting potential job transitions. Through the collection of industry-specific individual employee data, the AI system is envisaged to continue to learn as end users engage with the system, thus creating a central data hub specifically for the future workforce in the mining industry. Although the study has limitations on generalizability for qualitative assessments, it presents itself as a valuable application of how qualitative and quantitative approaches could be of value for future worker training in the mining sector. ■

Collection on Application of AI and ML in Mining

Application of artificial intelligence to the alert of explosions in Colombian underground mines

Luis Vallejo-Molina¹, Astrid Blandon-Montes¹, Sebastian Lopez¹, Jorge Molina-Escobar¹, Andres Ortiz¹, David Soto¹, Jose Torero², Alejandro Toro¹ and Alejandro Molina^{1,*}

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Full-text paper:

Mining, Metallurgy & Exploration (2024) 41:2129–2142, <https://doi.org/10.1007/s42461-024-01008-z>

Keywords: Coal mining safety, Artificial neural network, CFD simulation, Artificial intelligence, Methane explosion, Incident investigation

The use of artificial intelligence (AI), particularly artificial neural networks (ANN), in alerting possible scenarios of methane explosions in Colombian underground mines is illustrated by the analysis of an explosion that killed 12 miners. A combination of geological analysis, a detailed characterization of samples of coal dust and scene evidence, and an analysis with physical modeling tools supported the hypothesis of the existence of an initial methane explosion ignited by an unprotected tool that was followed by a coal dust explosion. The fact that one victim had a portable methane detector at the moment of the methane explosion suggested that the ubiquitous use of these systems in Colombian mines could be used to alert regulatory agencies of a possible methane explosion. This

was illustrated with the generation of a database of possible read-outs of methane concentration based on the recreation of the mine atmosphere before the explosion with computational fluid dynamics (CFD). This database was used to train and test an ANN that included an input layer with two nodes; two hidden layers, each with eight nodes; and an output layer with one node. The inner layers applied a rectified linear unit activation function and the output layer a sigmoid function. The performance of the ANN algorithm was considered acceptable as it correctly predicted the need for an explosion alert in 971.9 per thousand cases and illustrated how AI can process data that are currently discarded but that can be of importance to alert about methane explosions. ■

Winners announced for PCMIA-Pittsburgh Section 2024 Short Presentation Contest

by Hatice Esin Kaydim and Cengiz Kaydim, graduate research assistants, West Virginia University

We are excited to share the results of the 2024 Pittsburgh Coal Mining Institute of America (PCMIA) and SME Pittsburgh Section Short Presentation Contest. A big thank you goes to the talented students from The Pennsylvania State University (Penn State) and West Virginia University (WVU), whose participation made this event truly memorable.

We extend our gratitude to our judges, Chandler Absher, Joe Sbaffoni and Michael J. Brnich, for their invaluable time and expertise. Special thanks also go to Mary Delrosso for her dedication in organizing the contest.

Following the first round of eliminations, six outstanding students advanced to the live session, where they presented their research and answered questions from the jury. Congratulations to the top three winners:

1. Chandima Subasinghe of Penn State.
2. Paubla Gallego of WVU.
3. Syabilla Cardosh of WVU.



Chandima Subasinghe



Paubla Gallego



Syabilla Cardosh

2025 contest

PCMIA and the SME Pittsburgh Section jointly hold a student short presentation contest to recognize successful research conducted in select regional universities — Penn State, University of Kentucky (UKY), WVU and Virginia Tech (VT) — every year. The contest provides an opportunity for students to showcase their work in a visible setting and to compete for monetary prizes based on the quality of their presentations as determined by a team of judges.

The 2025 contest will open for submissions in early September. Stay tuned for announcements regarding registration and contest details. Reach out to Mary Delrosso at mary412d@comcast.net or Cengiz Kaydim at ck00047@mix.wvu.edu if you have questions. We will be excited to see fresh faces and remarkable researchers in 2025.

2024 winners

First place: Direct Extraction of Lithium from α -Spodumene via NaOH Roasting and Water Leaching
Abstract: Lithium

(Li) is a critical element in the production of lithium-ion batteries (LIBs), which are essential for electric vehicles (EVs), portable electronics and renewable energy storage systems. The conventional method of lithium extraction from α -spodumene requires high-temperature roasting and extensive chemical treatments, leading to high energy consumption and significant environmental degradation. This study introduces a new method for direct Li extraction from α -spodumene, bypassing the conventional high-temperature roasting process. This approach employs two-stage sequential low-temperature NaOH roasting and water leaching, eliminating the need for acid for Li recovery. Process parameter optimization and kinetics studies of roasting and leaching parameters provided insights into the reaction mechanisms and thermodynamics of the process. The optimum NaOH-to- α -spodumene ratio was determined to be equivalent to the stoichiometric amount by weight, which is 1.5:1. The optimum roasting temperature and duration were determined to be 325 °C, which is slightly above the melting temperature of NaOH, and two hours, respectively. The rate of roasting reaction was determined to be 0.065 mg/min at the optimum condition with an apparent activation energy, E_a , of 212 kJ/mol. The optimum water leaching parameters were found to be 100 rpm stirring rate, 10 percent feed spodumene-to-water ratio, and room temperature. This dissolution reaction was characterized by rapid kinetics, where maximum Li recovery was reached within 15 seconds of reaction. Roasting followed the shrinking-core model, and the formation of sodium aluminum silicate product layer hindered lithium recovery in stage one. Finally, after the two-stage roasting and water leaching, more than 99 percent of lithium was extracted.

Biography: Chandima Subasinghe is a graduate research assistant pursuing a Ph.D. in energy and mineral engineering at Penn State. He holds a bachelor's degree in mineral resources and technology (honors), specializing in mineral processing technology, from Uva Wellassa University of Sri Lanka, and a master's degree in energy

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SME News Contents

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Reflections from the outgoing chair on difficult tasks and a wonderful seven years

by Jaeheon Lee, Chair, 2024-2025 MPD Executive Committee

Wow, I have been through one of the most difficult tasks in my short career in the mining and metallurgical fields. It has been a wonderful seven years as a member of the Executive Committee of the Mineral & Metallurgical Processing Division (MPD) of SME.

To be honest, I don't remember how it started. I attended my first SME annual meeting in 2002, held in Phoenix, AZ, as a graduate student. I did not know it would evolve as it did in 20-something years. When I started working for Newmont's Malozemoff Technical Facility, Ronel Kappes advised me to attend the MPD Unit Committee Meeting and MPD Luncheon. Later, Mike Moats lured me into the program committee for the MPD chemical processing technical session and Mark Jorgensen recruited me into the MPD Executive Committee a few years later. In the meantime, we have been through ups and downs of metals prices and global pandemics. We did not even have an offline annual meeting in 2021.

The goal of MPD is to serve members and promote members' benefits. To do that, one of our top priorities is to attract more future workforce to the mining industry. We spent a lot of effort on fundraising through the MPD Calendar, the one and only Scotch Nightcap, the MPD Student Poster Contest and the MPD Luncheon. From these efforts, the MPD was able to support many students with scholarships and other activities. I am proud of it, and all of us should be too.

In 2024, SME/MPD went through many challenges for hosting and organizing international conferences. The 32nd International Mineral Processing Congress was successfully

held in Washington, DC. Former MPD chairs John Marsden and Ronel Kappes and incoming chair Tarun Bhambhani were key personnels for the conference. SME will hold World Gold 2025 this year with help from Nick Gow (2024-2025 MPD Secretary-Treasurer) and Tom Rauch. Kim Mills is leading the effort for organizing Extraction 2025 with help from Gow and Adam House (2024-2025 MPD Membership Associate). These international conferences and symposiums require not only leadership from the MPD Executive Committee but also the dedication of many volunteers throughout the community. I would like to express my sincere appreciation to everyone involved in the effort to successfully host and prepare for the conferences.

The MINEXCHANGE SME Annual Conference & Expo is growing due to the demand for electrification and critical materials. The MPD will have more than 140 presentations, plenary lectures and panel discussions in MINEXCHANGE 2025 in Denver, CO. The MPD could not have achieved these without the support of members and sponsors.

I will soon become the Past Chair of the MPD Executive Committee. All past chairs and committee members that I have worked with have been amazing engineers, professors and technical experts. They were my mentors and mentees, colleagues and friends. It has been an honor and a privilege to be a member of SME and particularly MPD, and to have served as a chair. It was indeed a multiyear commitment but highly valued. I was fortunate to have all the support and able to be successful, at least as I believed. I would like to thank Chee Theng (SME's MPD Liaison). She is always there to help us and guide us. Without her support and help, it would be extremely difficult to perform. I also want to thank Tara Davis, Emma Salditt and Rachel Grimes for supporting us.

MPD will always seek members' opinions, suggestions and evaluations. Based on these, MPD will evolve to match the needs and demands. Please keep an eye on us and always be supportive of the MPD. Again, it has been quite a journey and thank you once more. Finally, I can sign on the dollar bill. ■

Fine Grind serves as a forum for the presentation and discussion of facts, ideas and opinions pertaining to the interests and technology of the Mineral & Metallurgical Processing Division. Accordingly, all material published herein is signed and reflects the individual view of the authors. It is not an official position of SME or the division. Comments by readers will be referred to that division for response. The division chair in 2024 is Jaeheon Lee.

Upcoming SME Events

The Forum on the Geology of Industrial Minerals (FGIM)
May 13-15, 2025
Salt Lake City, UT

Rapid Excavation & Tunneling Conference (RETC)
June 8-11, 2025
Dallas, TX

44th International Conference on Ground Control in Mining
July 21-24, 2025
Canonsburg, PA

For additional information, contact: Meetings Dept., SME
Phone 800-763-3132 • 303-948-4200 • Fax 303-979-3461 • email sme@smenet.org • www.smenet.org

Mining & Exploration happenings at MINEXCHANGE 2025

by Daniel Rosenbach, president, Petra Drilling Supply and 2024 M&E Vice Chair for Programming

The MINEXCHANGE 2025 SME Annual Conference & Expo will be hosted at the Colorado Convention Center Feb. 23-26. The Mining & Exploration (M&E) Division continues to prepare for the conference with the M&E technical program, Richard Gertsch Memorial Silent Auction and MSHA Refresher Course before and during the conference.

MSHA Refresher Course

The MSHA Refresher Course will be held on Feb. 22. This course covers CFR Part 48 for surface and underground mines and is instructed by the Colorado School of Mines Energy, Mining, and Construction Industry Safety (CSM EMCIS) Program.

The passionate and knowledgeable instructors with CSM EMCIS will guide attendees through the eight-hour refresher course and keep them engaged with team interaction and instructional videos. M&E members who participated in the course in 2024 have indicated that the course is engaging and a breath of fresh air after completing the annual refresher online.

Rock in the Box serves as a forum for the presentation and discussion of facts, ideas and opinions pertaining to the interests and technology of the Mining & Exploration Division. Accordingly, all material published herein is signed and reflects the individual view of the authors. It is not an official position of SME or the division. Comments by readers will be referred to that division for response. The division chair in 2024 is Don Dwyer.

If you plan to attend MINEXCHANGE 2025, and your refresher date is in the first quarter of the year, M&E encourages you to take advantage of the timing of this class. Registration cost per participant is \$225 for members and \$295 for nonmembers. Lunch will be provided as part of the course. Note that you are required to present a current copy of your 5000-23 for participation in this course.

Call for auction items

The M&E Division distributes multiple scholarships to well-deserving students each year. The funds for many of the scholarships are raised through donations to the Richard Gertsch Memorial Silent Auction during the M&E Luncheon. Popular items to consider donating include:

- Scale models of mining equipment.
- Mineral samples.
- Historical mining memorabilia.
- Private tours of mines.
- Commemorative coins.
- Tickets to sporting events.
- Travel packages.

We have also had companies and individuals offer matching opportunities and cash donations. All donations are tax deductible.

For information on where to ship your donations and on matching opportunities and cash donations, and for more information on the MSHA Refresher Course and silent-auction donations, please email Daniel Rosenbach at Daniel@petradrillingsupply.com. ■

Local section

(Continued from page 44)

and mineral engineering from Penn State. He has received several awards for his academic excellence, teaching excellence, and contributions to the field of mineral processing and extractive metallurgy. Subasinghe served the Geological Survey and Mines Bureau of Sri Lanka in the capacity of geoscientist and Uva Wellasa University as research assistant before joining Penn State. He is passionate about innovative methods for hydrometallurgy, mineral processing, critical element extraction and R&D and has several publications and conference presentations. He is the 2021 recipient of the prestigious P.G. Cooray Memorial Medal for the most outstanding young geoscientist of Sri Lanka.

Second place: Development of An Ion-Exchange Technique for Rare Earth Elements Recovery from Acid Mine Drainage (AMD)

Abstract: Treating acid mine drainage (AMD) in accordance with federal regulations has long posed significant environmental and economic challenges for the coal mining industry. However, this issue presents a promising opportunity to recover critical minerals, especially rare earth elements (REEs), from AMD as part of the treatment process. This research aims to develop a cost-effective sorption technique for extracting REEs from AMD. The project begins with analyzing AMD samples collected from various mining sites, focusing on their surface chemistry, critical mineral concentrations and presence of contaminants. Laboratory-scale experiments are then conducted to evaluate the effectiveness of an ion exchange resin and to identify the impact of key operating parameters, such as pH levels, adsorbent types and reaction times, on the sorption process. Due to the high concentrations of heavy metals in AMD, the research emphasizes the need for integrated process

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Cindy Moore Courageous Impact Award presented to Joanna Robertson

by Casey Stazick, SME Inclusion & Diversity Committee

The SME Inclusion & Diversity (I&D) Committee and Hecla Mining are proud to announce that Joanna (Jodie) Robertson is the 2024 Cindy Moore Courageous Impact Award recipient. Robertson was selected from a field of eight outstanding nominees. Her award nomination highlighted the many contributions she has made to the mining industry and education, all while balancing home and family commitments.

Robertson grew up in small Arizona copper mining towns and was introduced to mining at a young age by her father. She attended University of Arizona (UofA), graduating with a B.S. in metallurgical engineering in 1981, where she was the first woman at UofA to win the Engineer of the Year award. Her educational journey continued when she earned an M.S. in mineral processing engineering and later a Ph.D. in materials science and engineering from Oregon Graduate Institute. She is currently the director of metal recovery at the Freeport-McMoRan Technology Center, as well as adjunct engineering instructor at UofA.

Throughout her professional career, Robertson has served in many different metallurgy, engineering, research, management and educator roles. She is known for her innovative ideas at work and applying her wealth of knowledge and technical skills to drive companies forward and excel. Even with a demanding career, Robertson became a registered patent agent and has often worked in educational settings alongside her roles in mining. Robertson has mentored numerous scientists, metallurgists and students in a range of academic stages. She has been described as having a deep commitment to the professional and personal growth of her colleagues and is an expert at fostering an environment that allows people to learn, share ideas and strive for excellence.

Beyond work, Robertson has had a significant impact on the community of Tucson, AZ. Her volunteer work includes math tutoring, hospice volunteering and fundraising coordination. She is also on the board of trustees for the San Miguel High School, which supports college preparatory education to economically disadvantaged students in Tucson. Through this program, students have been able to perform work study jobs in the community, including the Freeport-McMoRan Technology Center to expose them to careers in the mining industry.

Robertson is looked up to as a role model for other women in the mining industry and has put in extraordinary efforts to allow others to have a path toward success. She has an exemplary balance of technical and interpersonal skills that has allowed her to make a long-lasting impression on the U.S. mining industry and the lives of those of which she has been a part.

Previous winners

The I&D Committee recognizes the two previous Cindy

recipients of this award, who are also exceptional representatives of the award criteria. In 2022, Ronel Kappes, director of Processing at Newmont, was selected as the inaugural award recipient. Julie Lucas, executive director of MiningMinnesota, was the 2023 winner. Both Kappes and Lucas were recognized for their work achievements, but more

importantly, the impact and influence they have had on those around them. They both received their awards at the Women of SME Breakfast as a featured event of the MIN-EXCHANGE SME Annual Conference & Expo.

Award overview

The Cindy Moore Courageous Impact Award was established in 2022 by Hecla Mining to honor a beloved and admired employee, Cindy Moore. Moore was an engineer at the Rosebud Mine in Nevada and Lucky Friday Mine in Idaho, contributing to the mining industry for more than 30 years. She was known as a rising leader at Hecla who served as a great teacher and mentor. She was a person of integrity, thoughtfulness and class, and she had a great sense of humor.

While on a path to be a district general manager, Moore was unfortunately diagnosed with amyotrophic lateral sclerosis (ALS) in 2010 at the age of 50. This prompted her retirement in 2013, yet she continued working remotely as a consultant for Hecla Mining. During this time, she took on the role of advocacy chair as an Evergreen Chapter board member, and she founded the Silver Valley Ride to Fight ALS, or “Cindy’s Ride” before passing away in 2015. Cindy’s Silver Valley Ride has raised more than \$175,000 in eight years to fund Evergreen Chapter programs to assist people living with ALS.

The Cindy Moore Courageous Impact Award honors a woman in mining who has made a lasting impact on the industry, as Moore did. By establishing the award, leadership at Hecla hopes to ensure that her impact lives on for many years. This annual award is given to a woman that: (1) has shown leadership, mentorship and enthusiasm for the industry and (2) is making or has made a lasting impact on the mining or the mine service field. The award committee considers several criteria when evaluating nominees for the award. A nominee should be committed to the success of her employer, co-workers and industry; a dedicated thought leader and collaborator; inspires others to be better through her selfless example; demonstrates leadership, mentorship and enthusiasm for both mining and our mining communities; demonstrates courage and earned respect of those around her; and is making, or has made, a lasting impact on the industry. ■



Joanna Robertson

Environmental Division events in store for attendees at MINEXCHANGE 2025

by Heather Halderman, SME Environmental Division Program Chair

The Environmental Division (ED) Executive Committee is looking forward to the upcoming MINEXCHANGE 2025 Annual Conference & Expo in Denver, CO and extends an invitation to all SME members to attend ED events. While ED events are open to all conference attendees, the Tuesday Environmental Division Lunch requires a purchased ticket. The times and locations for all events can be found in the conference schedule.

If you are interested in the current work and functions of the ED, we invite you to attend our Executive Committee Meeting on Sunday morning and/or our Business Meeting on Monday morning. These meetings are a great opportunity to learn about our ongoing initiatives and how you can get involved.

For those looking to participate in the ED's future activities, come visit our table at the 2026 SME Annual Conference Program Committee Meeting on Wednesday morning and join us for the Nominating and Planning Committee Meeting on Wednesday afternoon. Additionally, our Acid Drainage Technology Initiative (ADTI) Subcommittee

will be meeting on Sunday afternoon.

Don't miss the chance to mingle with ED members and environmental professionals at the ED Lunch on Tuesday. Tickets can be purchased during conference registration or added to your existing registration via the registration website or booth. This year's lunch will feature a presentation by Kimberly Finke Morrison, president of Morrison Solutions, on "Transforming Tailings: A Global Knowledge Revolution." The program will also honor students and professionals receiving ED awards and scholarships.

As part of the conference's technical program, the ED has organized 12 sessions throughout the conference. We also host a student poster contest on Tuesday morning, where the top posters will receive awards during the ED Lunch. Be sure to stop by the technical sessions and also view the student posters to learn about the innovative research and projects being conducted by our members and students.

To support our student scholarships and awards, the ED will host a silent auction throughout the day on Tuesday in the SME Resource Center located in the Exhibit Hall. We welcome donations for the auction. Contact Emily Schlenker at emily.schlenker@arcadis.com for more details. During the auction, you can bid on unique rock and mineral samples, jewelry, artwork, gift baskets, logo items and more.

We are excited to reconnect with colleagues and friends at MINEXCHANGE 2025. Your participation in our events will contribute to meaningful discussions and collaborations within the environmental sector of the mining industry. We can't wait to see you there. ■

Green News serves as a forum for the presentation and discussion of facts, ideas and opinions pertaining to the interests and technology of the Environmental Division. Accordingly, all material published herein is signed and reflects the individual view of the authors. It is not an official position of SME or the division. Comments by readers will be referred to that division for response. The division chair in 2024 is Annelia Tinklenberg.

Local section

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flowsheets that incorporate the removal of these metals either before or after the adsorption step. This approach aims to improve the purity of the recovered critical minerals stream, offering a sustainable and economically viable solution for the coal mining industry.

Biography: Paubla Gallego is a WVU graduate research assistant, pursuing her master's degree in mining engineering. She holds a degree in mining and metallurgical engineering from the National University of Colombia, graduating in 2022. Gallego has experience conducting laboratory tests to develop extractive metallurgy processes for recovering metals. She has actively collaborated with various research groups at the National University of Colombia, Purdue University and WVU. She also has hands-on experience in gold gravimetric recovery systems, copper refinery processes, and solvent extraction for gold concentration.

Third place: Critical Minerals Recovery and CO₂ Se-

questration from Coal Fly Ash

Abstract: The transition from fossil fuels and coal-fired energy to clean, renewable alternatives has increased demand for critical minerals traditionally obtained through hard-rock mining. However, traditional mining practices contribute significantly to global carbon dioxide (CO₂) emissions, creating a dual environmental challenge. This study explores coal fly ash (CFA), a byproduct of coal combustion, as an alternative resource for addressing the growing demand for critical minerals and the need to reduce CO₂ emissions. By presenting an innovative, integrated approach, this research demonstrates how critical minerals can be efficiently recovered from CFA while simultaneously sequestering CO₂ through mineralization processes. This dual-purpose method broadens the sources of critical minerals and offers a sustainable solution for long-term CO₂ storage. The study introduces a comprehensive operational framework that optimizes process efficiencies, enhances

(Continued on page 50)

Drew Alden Meyer, 1943-2024

An appreciation by Dave Kanagy and George Luxbacher

Drew Meyer, the 2012 SME President, passed away suddenly at his home in Birmingham, Alabama on Nov. 13, 2024, at the age of 81.

Meyer was born on Oct. 28, 1943, in Hershey, PA. He chose The Pennsylvania State University (Penn State) for his college education, wanting a larger school, and planned to major in chemistry. A counselor recognized his verbal and technical skills and directed him into mineral economics; while the program had existed for some time, students had transferred in from other majors but Meyer became the first full-time freshman admitted.

ROTC was mandatory at the time for male students and when Meyer graduated in 1965, he was commissioned as a second lieutenant. He was not called up immediately and chose to continue his studies, receiving his M.S. degree in 1966. Advised that he would not be called to active duty for another six months, he was hired by Vulcan Materials to replace some of their staff serving in the U.S. Armed Forces — that became a career with Vulcan that lasted 39 years.

Meyer served in the U.S. Army Forces in Germany and then Vietnam, assigned to the 4th PSYOP Group. After his tour of duty, he returned to Vulcan in marketing, a role he continued to fill through his tenure, serving as a vice president in various capacities from 1984 until retirement in 2007, including a two-year stint in Kuwait. His passion for both mineral economics and the aggregates industry included his long service with the National Aggregates Association, where he rose to vice chair before the 2001 merger with the National Stone Association to form the National Stone, Sand & Gravel Association (NSSGA). His contributions there were recognized by appointment in 2004 as an honorary lifetime NSSGA board member.

SME awards

A Legion of Honor member of SME, Meyer joined in college (although he noted he did not get his copy of *Mining Engineering* in either Germany or Vietnam). He regularly attended the SME annual meetings for aggregates programming and was asked by Mike Karmis (2002 SME President) to develop a more formal SME aggregates presence; that request led to the Construction Materials & Aggregates Committee, which was later merged with what is now the Industrial Minerals & Aggregates Division. That effort was recognized when he received a 2002 President's Citation Award and the 2010 SME/AIME Hal Williams Hardinge Award, where his citation reads: "For his outstanding contributions to and visionary leadership of the aggregates industry and for his relentless efforts to make SME and the SME Foundation better and stronger organizations."

2012 SME President

With service on numerous other SME committees, including the SME Board of Directors, he was nominated and elected to be SME President in 2012, where he worked

tirelessly to advance outreach of SME to its members. His extensive industry contacts helped expand SME's presence within the sand and gravel industry, which operates the majority of the mines in this country.

Meyer believed deeply in the necessity of the SME Foundation to support the growth and development of SME. He served on the board of trustees for multiple terms and as the vice president for seven years, from 2002 to 2009. He and his wife Dixie further supported the SME Foundation and were members of both the John T. Boyd Challenge and the 25K Club. Meyer was active in both SME and the SME Foundation up until his untimely passing.



Drew Alden Meyer

Military awards

Meyer's service in the Army, where he rose to the rank of captain, left a profound impact on him. His patriotism and support for the military was strong; he was a steadfast supporter of the Wounded Warrior Project, reflecting his lifelong belief in honoring those who served. He received several military awards, including the Bronze Star, for his service.

SME/AIME oral history

Meyer did an interview with George Luxbacher for the SME/AIME oral history project in February 2023; planning for that effort took place over several sessions of cigars and fine bourbon on Luxbacher's back porch. The video and transcript will soon be available on the SME website — we encourage all to view it to see the contributions of this humble man.

Though his professional accomplishments were significant, he was most proud of his family. He is survived by his beloved wife of 60 years, Dixie, two daughters, seven grandchildren and one great-grandchild.

In his free time, Meyer could be found relaxing on the patio, watching football, enjoying either a glass of bourbon, a martini or wine and smoking a cigar. He enjoyed dancing with Dixie to their favorite songs while holding her hand and singing to her, a testament to the deep love they shared. Meyer's commitment to his family, his work (including SME) and his country made him a man respected and loved by all who knew him. He will be missed. ■

SME Freeport-McMoRan Career Development Grant 2022 recipient receives tenure at Missouri S&T

Taghi Sherizadeh was promoted to the rank of associate professor with tenure in September 2024 at the Missouri University of Science and Technology, Department of Mining and Explosives Engineering. He was a 2022 recipient of the SME Freeport-McMoRan Career Development Grant.

With more than a decade of experience in numerical modeling, constitutive model development and fracture mechanics, his research focuses on improving the safety and efficiency of mining and subsurface operations. He has applied advanced computational techniques and experimental rock mechanics to study mine excavation stability, surface subsidence, and underground storage solutions for oil, natural gas and nuclear waste.

Sherizadeh is leading a \$1.25 million National Institute for Occupational Safety and Health (NIOSH)-funded project to develop an artificial intelligence (AI)-driven hazard monitoring system for underground mining. This project aims to enhance mining safety and reduce the risk of mine disasters by providing real-time predictions and proactive responses to hazards related to ground control, ventilation

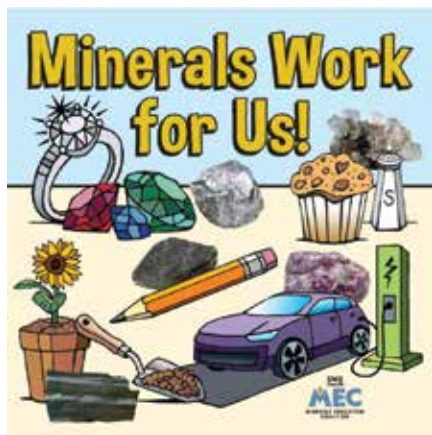
and blasting. The system will integrate AI with advanced monitoring technologies to improve safety and productivity in underground operations.

Besides his research in traditional mining, Sherizadeh is also focused on geologic hydrogen production, supported by ARPA-E, where he leverages high-pressure high-temperature (HPHT) testing and coupled thermo-hydro-mechanical-chemical (THMC) modeling to explore hydrogen-producing geological formations. This work advances the scientific understanding of natural hydrogen systems and contributes to the development of sustainable energy solutions.

Committed to advancing sustainable resource extraction and safety, Sherizadeh's work continues to shape the fields of mining engineering, geomechanics and clean energy technologies. ■



Taghi Sherizadeh



MEC introducing new children's book

by Rebecca Smith, Curriculum Coordinator, Minerals Education Coalition

Get ready to embark on an exciting adventure into the world of minerals with *Minerals Work for Us!* This delightful children's book reveals how important the Earth's treasures are in our daily lives, from sparkling diamonds to powerful lithium in electric cars. Perfect for curious kids ages 3 to 6 (pre-K-K), the colorful illustrations and simple, engaging text bring science and everyday life together in a fun and accessible way. This book will be sold on the Minerals Education Coalition website, on the SME online bookstore and at the SME Bookstore at MINEXCHANGE 2025 SME Annual Conference & Expo. ■

Local section

(Continued from page 48)

mineral recovery and quantifies CO₂ capture. By leveraging CFA, the research promotes sustainable resource management aligned with global efforts to reduce greenhouse-gas emissions. The findings suggest that this approach has significant potential for industrial adoption, offering a viable pathway to improve resource efficiency, reduce industrial CO₂ emissions and support environmental sustainability. This research contributes to advancing critical mineral recovery and climate mitigation, positioning CFA as an essential resource in the shift toward a greener economy.

Biography: Syabilla Cardosh is a graduate student at WVU, focusing on mining engineering with a specialization in mineral processing. Cardosh has actively participated

in various research initiatives, collaborating with industry experts and academic mentors to address real-world challenges in the mining sector. Although she completed her undergraduate studies in chemical engineering, her commitment to excellence and her natural curiosity led her to explore the dynamic world of mining engineering and mineral processing, where she laid the foundation for her career in the field. With her strong academic background and practical experience, Cardosh aims to bridge the gap between chemical engineering principles and mining engineering applications, contributing to developing efficient, safe and environmentally conscious mineral processing techniques. She aspires to be pivotal in advancing the mining industry's technological landscape and positively impacting global mineral resource management. ■

SME Division Awards

Coal & Energy Division Awards

Coal & Energy Division Distinguished Service Award to J. Eric Shereda

The Coal & Energy Division Distinguished Service Award is presented to J. Eric Shereda “for his outstanding service and dedication to the Coal and Energy Division along with his contributions and commitment to the SME National Organization.”

Shereda is the manager of Technology and Innovation at CONSOL Energy Inc., where he has worked for more than 30 years. In his current role, Shereda leads the company’s continuous improvement and digital transformation efforts leveraging data and analytics to create actionable information. He also participates on several projects and initiatives focused on the development of sustainable carbon products and materials.



J. Eric Shereda

A licensed Professional Engineer (P.E.) in four states, Shereda holds a B.S. in mining and minerals engineering from Virginia Tech, with a minor in geology. He is also a graduate of CONSOL’s Leadership Education and Development Program. Actively engaged in professional mining organizations, he currently serves as treasurer of the Pittsburgh Coal Mining Institute of America. He is Past Chair of the Pittsburgh Section of SME, a member of the SME Industry Workforce Strategic Committee, a trustee of the SME Foundation and vice chair of the SME Foundation Individual Fundraising Committee.

J.W. Woomer Young Engineer Award to Rohit Pandey

The J.W. Woomer Young Engineer Award is presented to Rohit Pandey “in recognition of exceptional contribution to mining engineering, innovative practical solutions and excellence in both industry and academia.”



Rohit Pandey

Pandey is an assistant professor in mining and minerals engineering at Virginia Tech, bringing a diverse background in academia, research and industry. He earned his Ph.D. in engineering science from Southern Illinois University, where he received the university’s Outstanding Dissertation

Research Award for his work on coal bioconversion. In industry, Pandey served as a mining engineer with Nevada Gold Mines and Peabody Energy, leading projects that improved operation safety, productivity and profitability. At Virginia Tech, he teaches courses in mine water engineering, ventilation engineering and rock mechanics, and is deeply committed to mentoring students in research and career development.

Pandey’s research focuses on flow-coupled geomechanics to enhance subsurface engineering, with major funding from agencies such as the Centers for Disease Control and Prevention and the U.S. Department of Energy. His work is widely published, contributing substantial advancements to the field of mining and geoenvironmental engineering.

Stefanko Best Paper Award to Daniel Wen Su and Peter Zhang

The Stefanko Best Paper Award is presented to Daniel Wen Su and Peter Zhang “in recognition of the presentation and technical quality of the paper entitled “NIOSH Gas Well Stability Research: Investigation into the Causes of An Anomalous Shale Gas Well Casing Deformation at A Deep Longwall Mine.”

Su received his Ph.D. degree from West Virginia University in 1982. Upon graduation, he joined the Mining Engineering Department of West Virginia University as an assistant professor. In 1985, he joined CONSOL R&D and later became manager of geomechanical engineering, responsible for both coal and gas operational engineering. In 2015, Su joined CDC/NIOSH Pittsburgh Mining Research Division as a senior service fellow, where he initiated two gas-well stability research projects.

Zhang is a general engineer with NIOSH Mining System Safety Branch in Pittsburgh, PA. He worked for Foundation Coal and Alpha Natural Resource as a senior geotechnical engineer from 2005 to 2016 and joined NIOSH in 2016. His current technical focus includes gas-well stability in coal and stone mine pillars, mining-induced subsurface ground movements, roof support under high horizontal stress, and numerical modeling.

Zhang received his B.S. and M.S. in mining engineering from Taiyuan University of Technology, China, and Ph.D. in mining engineering from West Virginia University.



Daniel Wen Su



Peter Zhang

Environmental Division Awards

Environmental Division Stewardship Distinguished Service Award to Krishna Parameswaran

The Environmental Division Stewardship Distinguished Service Award is presented to Krishna Parameswaran “to recognize his significant contributions to promote and operationalize the concept of sustainability in mining.”



Krishna Parameswaran

Parameswaran received a bachelor of technology degree in metallurgical engineering from the Indian Institute of Technology, Bombay, India in 1968, a master of science degree in metallurgical engineering from the University of Missouri-Rolla in 1971 and a doctor of philosophy in metallurgy from Pennsylvania State University in 1974. He has been a licensed Professional Engineer in Pennsylvania since 1989.

Parameswaran is currently president of KP Strategic Consulting LLC Trusteeship for Future Generations Mining & Metallurgy (tfgMM) Strategic Consulting in Irving, TX focusing on environmental compliance, permitting and sustainable development in the extractive industries, especially metal mining.

Parameswaran retired from ASARCO LLC (Asarco) after 34 years of service on March 31, 2015. He joined Asarco, an integrated primary copper producer, as a senior research engineer in 1981 at Asarco’s Central Research Laboratories in South Plainfield, NJ. Since founding tfgMM Strategic Consulting in April 2015, he has provided consultancy services for domestic and international mining companies in the areas of process development, technology

assessment, environmental permitting and compliance; environmental reporting; regulatory analysis, sustainable development support for domestic and international mining companies and environmental consulting firms for their mining and manufacturing clients.

Environmental Division Benefactor Award to Anne L. Williamson

The Environmental Division Benefactor Award is presented to Anne L. Williamson “for her generous donations to the Environmental Division’s Scholarship Fund and her long-term service to advancing the goals of SME.”

Williamson is an environment and sustainability professional with more than 35 years in the mining industry and more than 40 years as an SME member. Her career has spanned the mining lifecycle, from greenfield exploration in her early years as a geologist, to project development, operations support and remediation. She is currently at the helm of WSP USA’s corporate environment and sustainability program and also provides strategic permitting advisory to the mining sector.

Throughout her career, SME — particularly the Environmental Division — has played a key role in her success by providing exposure to new technologies and resources, educational opportunities, and people from all aspects of mining. She has actively supported the division through presenting papers, chairing sessions, representing the division on multiple committees and serving on the Environmental Division Executive Committee.



Anne L. Williamson

Health & Safety Division Awards

Research and Educational Excellence Award to Cigdem Keles

The Health & Safety Division Research and Educational Excellence Award is presented to Cigdem Keles “for her research to devise a new scanning electron microscopy (SEM) routine for characterizing dust particles in lung tissue samples obtained from underground coal miners to advance related surveillance efforts.”

Keles earned her B.S., M.S. and Ph.D. degrees in mining engineering from Middle East Technical University, completing her Ph.D. in 2011. She began her career as a postdoctoral associate at Virginia Center for Coal and Energy Research/Virginia Tech under Michael Karmis and Nino Ripepi. In 2015, she was promoted to research associate

and joined Emily Sarver’s Dust Research Group. Her work involved developing analytical methods for respirable dust characterization, interpreting dust data and training graduate students on thermogravimetric analysis, scanning electron microscopy and polarized light microscopy. Additionally, she mentored graduate and undergraduate researchers.

Keles joined Thiele Kaolin Co. as a research engineer in June 2023. Since then, she has



Cigdem Keles

been promoted to assistant core testing lab group leader and then to her current role of core testing lab manager.

Operational Excellence Award to Cementation Americas

The Health & Safety Division Operational Excellence Award is presented to Cementation Americas “for the creation and implementation of critical risk management control checklists for underground hoisting and underground high temperature water.”

For more than 25 years, Cementation has generated value for clients worldwide through mine development and production services. Cementation’s experienced teams specialize in engineering, construction, material handling systems and operational services for underground and above-ground projects. As established performers in the mining and metals resources sector, Cementation’s companies have access to global best practices that empower the company to realize efficiencies and deliver innovative solutions to mine development challenges.



Cementation

“Cementation’s safety culture is at the foundation of everything we do, and we strive to evolve and transform our practices to minimize exposure to harm to our people. To this end, integrating our critical risk management controls has resulted in an annual 10 percent reduction in lost-time injury frequency for four consecutive years.

Individual Excellence Award to Melissa Harmon

The Health & Safety Division Individual Excellence Award is presented to Melissa Harmon with the citation: “for bringing focus and action to the issue of psychological safety on mine sites that benefit worker safety and workplace inclusion and diversity.”

Harmon has worked at Newmont for 24 years in various technical and operational leadership roles at five different mine sites in Nevada, Colorado and Ghana and has also held both corporate and regional roles. She is currently the senior vice president, Technical Transformation. In addition, Harmon is a member of the board of directors for Lundin Gold.

Harmon received her degree in mine engineering from the University of Nevada, Reno (UNR). She also holds an MBA from Auburn University, a P.E. license in Nevada and is a registered member of SME. She is proud to have received the Miner of the Year Award from SME in 2023 and to have been named Alumni of the Year in 2020 for the Mackay School at the UNR. Harmon currently serves as a trustee for the SME Foundation and the UNR Foundation.



Melissa Harmon

Industrial Minerals & Aggregates Division Awards

Industrial Minerals & Aggregates Division Outstanding Young Scientist Award to Sunil Kumar Tripathy

The Industrial Minerals & Aggregates Division (IM&AD) Outstanding Young Scientist Award is presented to Sunil Kumar Tripathy for “outstanding research that improves the usability of various industrial minerals such as lithium, chromite, manganese and dolomite through improved process techniques.”

Tripathy is a senior research scientist at the Natural Resources Research Institute (NRRI), University of Minnesota. Currently, he is involved in different projects on the decarbonization of the mining and metal industries. With more than 16 years of experience across India, France and the United States, his research focuses on the extraction of lithium, chromite, manganese and dolomite.

He has published more than 100 peer-reviewed articles and delivered 35 presentations at international conferences.

Tripathy holds seven granted patents, with nine more filed, underscoring his contributions to processing technologies for industrial minerals. He serves on the editorial boards of several journals: *Mining Metallurgy & Exploration*; *Mineral Processing and Extractive Metallurgy Review*; *Minerals, High-Temperature Materials and Processes* and *Transactions of the Institutions of Mining and Metallurgy*. He is also active in IM&AD committees,



Sunil Kumar Tripathy

representing the division in GPAC.

A. Frank Alsobrook Distinguished Service Award to Thomas Newman

The A Frank Alsobrook Distinguished Service Award is presented to Thomas Newman, RM-SME, “for his unparalleled knowledge and proficiency in advancing our understanding of minerals and applications in cement production for the mining industry and his service to SME.”

Newman is a skilled geologist with 44 years of experience in industrial minerals geology and is a 30-year member of the SME Industrial Minerals & Aggregates Division. He excels in exploration to mining geology.

His work in due diligence, permitting, and mineral resources and reserves contributed to his employer’s success.

With a proven track record across North America, Mexico, the Caribbean and China, Newman effectively drives projects from greenfield exploration to permitting in both openpit and underground operations. He attributes much of his success to his SME membership.



Thomas Newman

Mineral & Metallurgical Processing Division Awards

Antoine M. Gaudin Award to Zhenghe Xu

The Antoine M. Gaudin Award is presented to Zhenghe Xu “for outstanding contributions in applying rigorous science to oil sands extraction systems, leading to significantly improved production and reduced carbon footprint.”

Xu graduated with B.Sc. and M.Sc. degrees in minerals engineering from Central-South Institute of Mining and Metallurgy (Changsha, China) in 1982 and 1985, respectively and a Ph.D. in materials science and engineering from Virginia Polytechnic Institute and State University (Blacksburg, VA) in 1990. As an associate professor and then professor in the Department of Chemical and Materials Engineering at the University of Alberta (Edmonton, Canada) from 1997 to 2017, Xu was Canada Research Chair in Mineral Processing (2006-2017) and NSERC-Industry Research



Zhenghe Xu

Chair (2002-2017). Xu joined the Southern University of Science and Technology (SUSTech) in Shenzhen (China) as a Chair Professor in the Materials Science and Engineering and Founding Dean of College of Engineering (2017-2024).

Xu was elected to Fellow of the Canadian Academy of Engineering in 2008, Fellow of the Royal Society of Canada in 2015 and International Member of the Chinese Academy of Engineering. His main research area is interfacial sciences as applied to natural resources processing and utilization. He has published more than 530 peer-reviewed scientific journal papers with more than 25,200 citations (Web of Science).

Milton E. Wadsworth Award to Michael L. Free

The Milton E. Wadsworth Award is presented to Michael L. Free “for his contributions to the understanding of transport, kinetics, and interfacial phenomena associated with metal electrolysis, corrosion inhibition, and metal extraction.”

Free is a professor in the Department of Materials Science and Engineering at the University of Utah in Salt Lake City, UT. He has performed research and taught courses as a faculty member for more than 28 years. His areas of expertise include hydrometallurgy, electrometallurgy, corrosion and materials synthesis. He has been the principal investigator of more than 65 research projects funded by more than 20 companies, the U.S. Department of Defense, U.S. Department of Energy, Office of Naval Research, and the National Science Foundation.

Free has authored or co-authored more than 260 publications. He has been a paid consultant for 40 organizations. He received a B.S. degree in metallurgical engineering, an M.S. degree in chemical engineering and a Ph.D.

degree in metallurgical engineering from the University of Utah. He also worked as a post-doctoral associate at the University of Florida in materials science and engineering and chemical engineering.



Michael L. Free

MPD Outstanding Young Engineer Award to Jordan M. Rutledge

The Minerals & Metallurgical Division (MPD) Outstanding Young Engineer Award is presented to Jordan

M. Rutledge with the citation: “For bringing new mineral processing techniques to the forefront of the industry and serving as a leader in the new mining generation.”



Jordan Rutledge

Rutledge is the area sales manager for the TOMRA Sorting Mining division in Western Australia. Prior to her move to Australia, she covered the North American region for TOMRA Sorting out of Denver, CO. Rutledge has spent her career thus far in the mining industry focusing on mineral processing, specifically sensor-based sorting and flotation and has worked on projects in North and South America, Asia, Europe, Africa and Australia.

Rutledge has B.S. and M.S. degrees in materials and metallurgical engineering from the Colorado School of Mines. She has also participated in the Federation of European Mineral Programs in Finland, Hungary and Poland.

Arthur F. Taggart Award to Naci Duru and Carl C. Nesbitt

The Arthur F. Taggart Award is presented to Naci Duru and Carl C. Nesbitt for their paper titled, “Sulfur speciation analysis in cyanide leach solutions with liquid chromatography” published in the *Mining, Metallurgy & Exploration* journal.

Duru is a registered professional engineer with expertise in extractive hydrometallurgy and mineral processing. He obtained his master’s and doctorate degrees from University of Nevada, Reno. He has hands-on experiences in operations, consulting, and scientific research primarily focused on precious and base metal extraction.

Duru has worked at process plants, construction sites and engineering office locations in North America, Europe and Africa. He has extensive experience in brownfield and greenfield EPCM projects and studies. His experience spans laboratory test work, geomaterial studies, plant process development, optimization, engineering design and construction management through to commissioning. He has published technical papers and given lectures at courses in academia and mining industry.

Nesbitt has spent nearly 45 years in the mining and metals industry and has been a professional and registered member of the SME since 1980. He has degrees in chemical and metallurgical engineering from the University of Nevada, Reno (UNR) and University of Michigan. He completed his Ph.D. from UNR in 1990, and immediately started his academic career at Michigan Technological University as a faculty in process metallurgy and materials. In 2010, he returned to UNR to re-establish the B.S. and M.S. programs in metallurgical engineering at the Mackay School of Earth Sciences and Engineering. Nesbitt has been involved in research and consulting with several mining interests, including the precious metals, iron and steel, copper, rare earths and lithium. He also has developed processes for water treatment and remediation.



Naci Duru



Carl C. Nesbitt

Mining & Exploration Division Awards

Ben F. Dickerson III Award to Robert W. Schafer

The Ben F. Dickerson III Award is presented to Robert W. Schafer “for his many contributions to the society and mining industry as well as his availability and responsiveness to the SME membership.”

Schafer is founder and chief executive of Eagle Resources Management LLC, a minerals industry advisory and operating entity focused on mineral exploration, mine development, mineral economics, geology, business development and executive advisory. Previously, Schafer spent more than 10 years with Hunter Dickinson Inc. as executive vice president, based in Vancouver, Canada, where he was responsible for identifying, evaluating and structuring transactions for mineral deposits globally. Schafer has had

the good fortune to work with several great geologic teams, leading to a record of discovery, several of which have become significant operating mines. In addition, Schafer has taken national leadership roles in the mining industries of both the United States and Canada.

As an executive and manager and field geologist, Schafer led teams to the discovery of mines in the western United States, Canada and Russia with Billiton Metals, Addwest Gold and Kinross Gold.



Robert W. Schafer

Mining & Exploration Division Distinguished Service Award to Greg Sutton

The Mining & Exploration (M&E) Division Distinguished Service Award is presented to Greg Sutton with the citation: “To recognize Greg for his many years of service to the M&E Division including technical contributions and leadership.”



Greg Sutton

Sutton is the general manager – mining operations for US Strategic Metals in Fredericktown, MO. He oversees surface mining operations at the Madison Mine Site and is planning and building the new underground cobalt/nickel/copper mine there as well. Sutton has a B.S. in mining engineering from the University of Missouri – Rolla, now

Missouri University of Science and Technology and also completed his MBA degree from there in 2018.

After his early career in gold mining, he has spent many years in mine operations and development for various projects in the base metals and industrial minerals sectors of the mining business. He started his current role with US Strategic Metals in 2021. Sutton currently resides with his wife Genevieve near Bunker, MO.

Harry M. Parker Excellence Award to Jacqui Coombes

The Harry M. Parker Excellence Award is presented to Jacqui Coombes “for inspired leadership and exceptional contributions to the understanding of competency as



Jacqui Coombes

applied to mineral resource estimation and to furthering the practical understanding of geostatistics in estimation processes.”

Coombes is a distinguished polymath with extensive expertise in mineral resource estimation, geostatistics and competency development. With more than three decades of leadership in the mining industry, Coombes’ contributions have significantly advanced the understanding of mineral resource estimation,

particularly in bridging the gap between technical precision and practical application. Her work has set new benchmarks in competency frameworks for resource geologists, ensuring alignment with global reporting codes

and ethical standards.

Coombes has trained more than 2,000 resource geologists worldwide and has authored two influential books, *The Art and Science of Resource Estimation* and *I’d Like to be OK with MIK, UC?*, with her latest work *Cracking the Competency Code* published in 2025.

She has been instrumental in initiatives such as the Future Batteries Industry Cooperative Research Centre (CRC), Amira Global and Mining3, driving innovation across the sector. Her leadership extends beyond resource estimation into governance, innovation and global minerals industry transformation.

Outstanding Young Professional Award to Mackenzie Sorenson

The Outstanding Young Professional Award is presented to Mackenzie Sorenson “in recognition of her professional contributions and for being an inspiring champion for Inclusion and Diversity in the mining industry.”

Sorenson is the principal advisor of strategy and performance for Kennecott. She joined Rio Tinto in 2015 as a contractor working with the geologic mapping and modeling group, and has held positions at the concentrator, labs and mine. Most recently she was the senior mineralogist for Kennecott, where she was able to dive deeper into the metals end of the business. She has a passion for looking at the full value stream and problem solving through curiosity and research. Sorenson holds B.S. degrees from the University of Georgia, a M.S. and is currently pursuing an M.E. from the University of Arizona focusing on mineral processing.



Mackenzie Sorenson

Miner of the Year Award to Megan Tibbals

The Miner of the Year Award is presented to Megan Tibbals “for her tireless efforts to put rock in the box, mentor and lead, and giving back to the industry.”

Tibbals has spent her career driving positive change in the mining industry. She was raised in a mining family in Nevada and was drawn to the mining industry by hearing the stories of the family generations that came before her.



Megan Tibbals

With a B.S. in chemical engineering degree from the University of Nevada, Reno, her experience spans environmental, project manager, processing and operational leadership. Through her career she has held various roles and has had the privilege of working with a diverse group of people from Nevada Gold Mines and Newmont in Nevada to Barrick's Pueblo Viejo operation in the Dominican Republic.

Tibbals has been passionate through her career on developing and mentoring the next generation of mining talent. She is also a member of the Mackay Executive Advisory Board promoting strong mining education and has been an active member of WIM Nevada chapter, promoting diversity in the mining industry. She is proud to have taken part in a gender diversity program that has been able to increase the female representation in the Pueblo Viejo Mine to 25 percent, in all roles throughout the operation.

Robert M. Peele Memorial Award to Kyle Stafford

The Robert M. Peele Memorial Award is presented to Kyle Stafford for the paper, "Geochronology and Critical Mineral Potential of Selected Laramide Porphyry and

Related Deposits in Southwest New Mexico."

Stafford is a geologist working in environmental consulting for the mining industry. He attended New Mexico Tech from 2017 to 2024, earning both a bachelor's in Earth science and a master's in mineral engineering with a specialization in mineral exploration. Stafford began working for the New Mexico Bureau of Geology and Mineral Resources in 2021, working under Virginia McLemore's Economic Geology Group. During his time there, he used GIS to prepare a mineral-resource potential assessment of BLM parcels in Southwest New Mexico, and worked on various USGS Earth MRI projects to investigate critical minerals. His thesis, on the geochronology of Laramide and mid-Tertiary mineral deposits in New Mexico known to host critical minerals, was published in 2024. He is currently employed at Telesto Solutions Inc., an environmental consulting company, out of its Silver City, NM office.



Kyle Stafford

WAAIME Division Award

WAAIME Founders Award to Zenovia Kunasz

The WAAIME Founders Award is presented to Zenovia (Zenia) Kunasz. Since 1998, Kunasz has been a consistent and devoted supporter of WAAIME, particularly through her generous contributions of handmade jewelry, which has raised thousands of dollars for a student emergency fund over the past eight years. This fund aids students in need, providing financial support for emergencies not covered by scholarships. Her service to WAAIME and the larger mining community is immeasurable. Kunasz's warmth, dedication and boundless enthusiasm for helping others make her a truly deserving recipient of the 2024 WAAIME Founders Award.

Kunasz was born in Poland to Ukrainian parents who escaped the Soviet Union. Her early years were spent in displaced persons camps in Germany. Upon

applying and receiving a "green card," the family was able to emigrate through a sponsor to Cleveland, OH. Kunasz was active in Ukrainian student organizations while attending Kent State University with a major in music education. After graduation, she married Ihor Kunasz and started graduate studies at The Pennsylvania State University with a major in Slavic languages and literature while her husband was pursuing a doctoral degree in geology.

She learned Spanish and Russian which she used while living in Chile and Uzbekistan with her husband, Ihor, who is a Past President of SME. ■



Zenovia Kunasz



SME Fellows

The SME Fellow (previously Distinguished Member) class of membership was established by SME to honor those members who achieve distinction deemed worthy of special recognition. It acknowledges members who have attained eminence in industry or the academic world, or who have made significant and sustained contributions to SME.

In honor of the SME Distinguished Members/Fellows Award program's 50th anniversary, the SME Board of Directors voted to award 50 distinguished members with the Fellows designation in 2025. Generally, a very small number of SME members achieve this status in any given year; even with the additional 50 members, SME's total Fellows number 170 while the guidelines based on total membership allow for 246. The 2025 inductees are:

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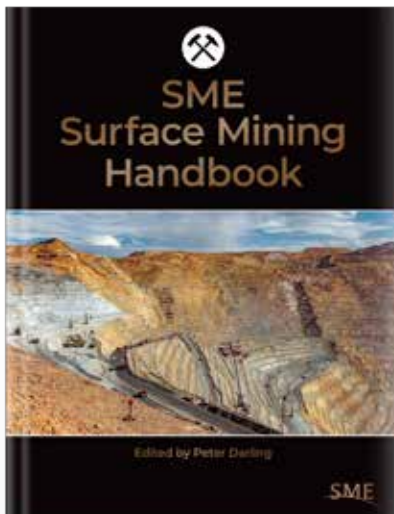


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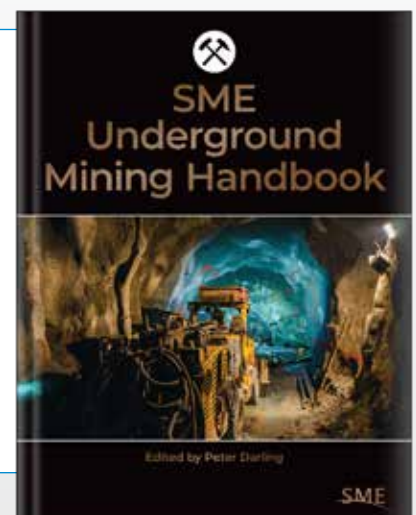
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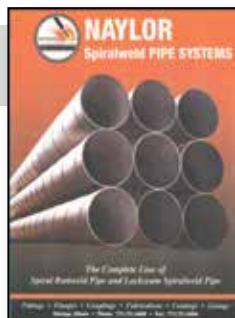
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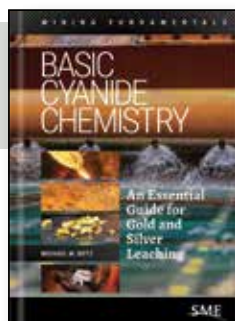
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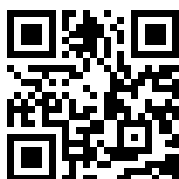
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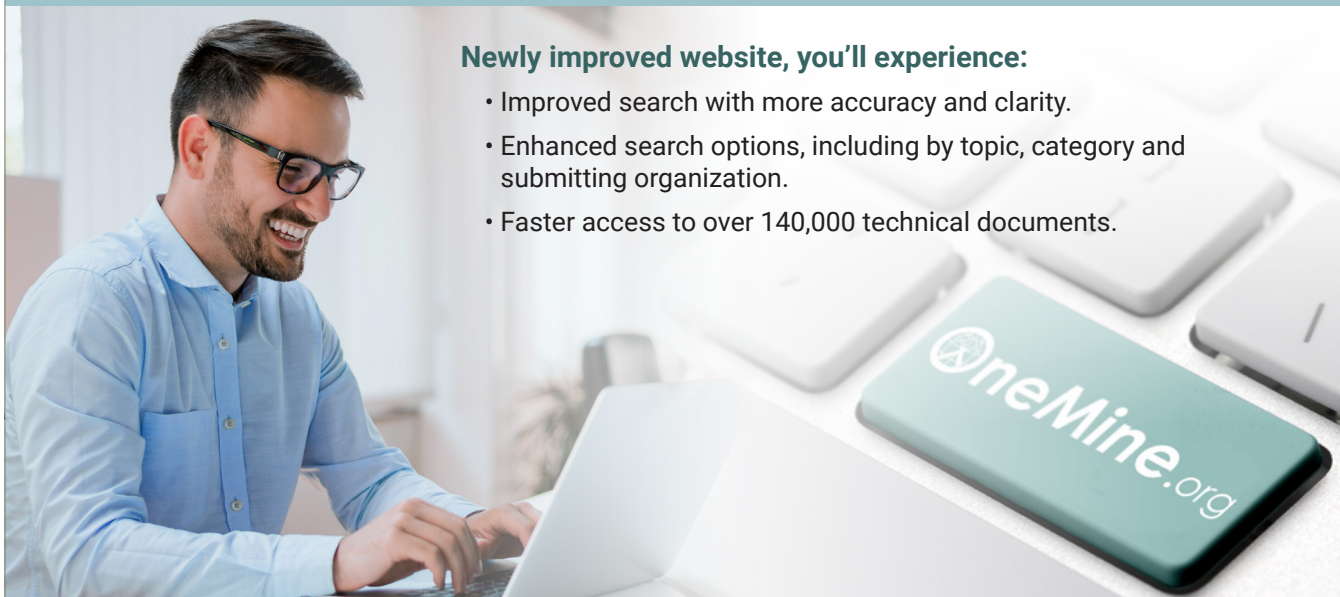
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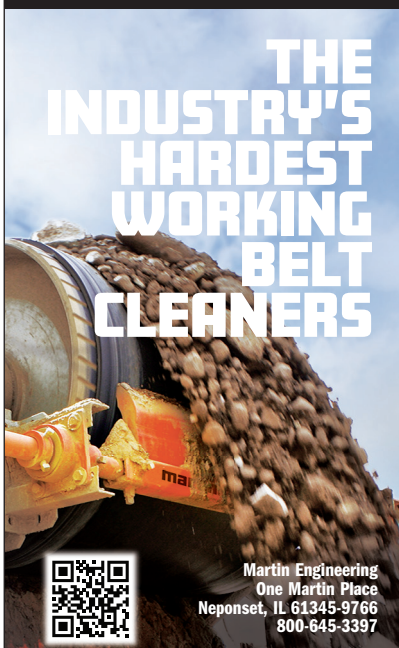
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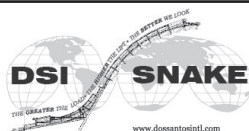
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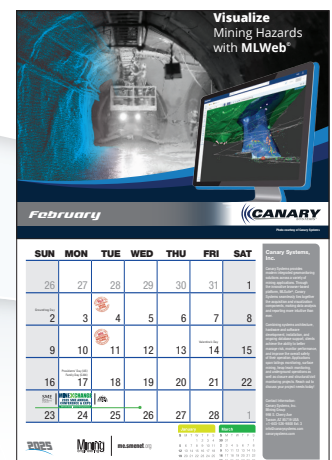
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The US needs the National Materials and Minerals Council



William Gleason
Editor

In May 2024, SME hosted 18 industry experts at our headquarters in Englewood, CO to discuss how the void left by the absence of the U.S. Bureau of Mines (USBM) could be mitigated either by refunding the USBM or creating something new.

The movement to revive the USBM was one that gathered momentum in recent years and the idea for the roundtable discussion grew from conversations between SME leadership and the National Mining Association and American Exploration & Mining Association, both of which had representation at the roundtable.

At the end of the full day of discussions, it was decided that SME would provide technical support and draft a concept paper advocating for the creation of the National Materials and Minerals Council (NMMC). I had the distinct privilege of working alongside Debra Struhsacker in the creation of the concept paper, which you can read in full at SME's website under the tab Professional Development, Technical Briefings. A summary of the work that went into the paper can be found on page 16 of this issue.

At the heart of this effort is the desire to help support the domestic mining industry at a time of incredible opportunity that coincides with complex and significant challenges, including permitting and coordination of government efforts to onshore the nation's critical minerals supply chain.

An escalating trade tiff between the United States and China recently brought to light the inefficiencies of U.S. mineral policy and the dangers to national security that come from that. In December, China announced that it would halt exports of antimony to the United States.

In Idaho, Perpetua Resources has been working for more than eight years to bring its Stibnite gold and antimony mine back into production. A mine that could provide domestically sourced antimony. The U.S. Forest Service finally issued its final record of decision for the mine, clearing the way for construction to begin with an expected production start by 2028.

"I think what the antimony ban did for us, it shined a brighter spotlight on where we are as a country and our lack of investment and development of critical minerals in the United States," Perpetua Resources chief executive officer Jon Cherry told me recently about the timing of the permits for the mine. "There

have been no shortcuts taken and all of the details from an environmental and regulatory perspective have been done correctly. The ban and the issuance of the permit were a confluence of events that drew a lot of attention to our project because it is the only antimony reserve in the United States."

In Arizona, there was more welcome news when Hudbay Minerals secured three key state-level permits for its Copper World project, a project that is expected to produce 78 kt/a (85,000 stpy) of copper.

The permits for these two projects are certainly a step in the right direction for a more secure mineral supply chain; however, one of the issues that continues to slow mineral production is the lack of a central agency that could help coordinate these efforts.

On page 19, Fig. 1 is a snapshot of the bureaucratic maze of government agencies and departments that have some touch point for the production of minerals in the United States.

Ironically, this maze grew in size and scope following the decision to cease funding of the USBM, a decision that was motivated in large part by promises from both parties, Democrats and Republicans, to reduce the size of government. Thirty years later, we are feeling the effects of that decision. The addition of the NMMC is not meant to add another layer to the already complex chart, but to make it more efficient.

■■■

One of the challenges of a monthly publication is delivering timely news. It can be frustrating when the magazine has hit the press days or sometimes just hours before some important item of news, like a key mining project getting its final permits, breaks on the wire.

Mining Engineering has published regular news on its website for a number of years and I am excited to share that we now have an updated and refreshed website. You will still be able to find all of *Mining Engineering's* content on the site. Members will have full access to each issue on the first of the month, every month with feature articles, technical paper abstracts, SME News and archived issues of *Mining Engineering*. You will also be able to keep up with the news from the global mining industry as it becomes available. And we have more additions to the site in the coming months.

I encourage you to take a look at the refreshed site (www.miningengineeringmagazine.org). ■



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At Newmont, our purpose is to create value and improve lives through sustainable and responsible mining. To learn more about Newmont's sustainability strategy and initiatives, go to www.newmont.com.

Newmont™



SPONSOR LISTING



South32 Hermosa

*Keynote Session/Keynote Session
Coffee Break Sponsor, Mining &
Exploration Division Lunch Title
Sponsorship*

Located in a historic mining district in the Patagonia Mountains of Southern Arizona, South32's Hermosa project is currently the only advanced mine development project in the United States that could produce two federally designated critical minerals – manganese and zinc – both of which are essential minerals for powering the nation's clean energy future.



Hecla

*Women of SME Breakfast Title
Sponsor, Mining & Exploration
Division Luncheon Title Sponsor,
Young Leaders Monday Night
Social, Young Leaders
Professional Development
Luncheon, SME Foundation VIP
Gala Table Sponsor, WAAIME
Student Reception Basic Sponsor*

Hecla Mining Company (NYSE:HL) is the largest silver producer in the United States and is on track to be Canada's in 2024. In addition to operating mines in Alaska, Idaho, and Quebec, Hecla owns exploration and pre-development properties in world-class silver and gold districts throughout North America. Founded in 1891, our common stock has been traded on the New York Stock Exchange for over 50 years.

Our philosophy is to operate mines safely using a deep-rooted value-based culture and leveraging innovative mining skills developed over our long history. Learn about Hecla's responsibility to the safety and health of our people, our local communities, and the environment at www.hecla.com



Freeport-McMoRan

*Student Engagement Breakfast,
Women of SME Breakfast Title
Sponsor, Graduate Student Poster
Contest Title Sponsor*

Freeport-McMoRan is an international mining company that operates large, long-lived, geographically diverse assets with significant proven and probable reserves of copper, gold and molybdenum. One of the world's largest publicly traded copper producers. Freeport-McMoRan's portfolio of assets includes the Grasberg minerals district in Indonesia, one of the world's largest copper and gold deposits; and significant mining operations in North America and South America, including the large-scale Morenci minerals district in Arizona and the Cerro Verde operation in Peru. By supplying responsibly produced copper, the company is proud to be a positive contributor to the world well beyond its operational boundaries.



Rio Tinto

*Metallic Student Design Competition Executive Sponsor, Influencer
Sponsor, Health & Safety Division
Breakfast Sponsor, Health & Safety
Division 5K Sponsor, Young
Leaders Monday Night Social,
Young Leaders Professional
Development Luncheon, Mining &
Exploration Division Luncheon Title
Sponsor*

We are diversified manufacturer and services provider for above and below ground infrastructure that sets the standards in terms of quality and safety for our stakeholders. Our mission is total customer support and satisfaction. Our portfolio of brands are rebuilding America's infrastructure. Because we understand the ever changing and demanding conditions above and below ground we have built the richest portfolio of diverse and complementary brands. From engineering to resin manufacturing, rolled-steel and drill-steel manufacturing, custom steel fabrication, precision wear parts, tools and bits, chemical roof support and sealing products, staffing solutions, transportation and more.



HEXAGON

Hexagon Mining

*Lanyard Sponsor, SME 2024-2025
Metallic Student Design*

Competition Technology Sponsor

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are a life-of-mine technology partner with a uniquely comprehensive approach to helping mines achieve operational excellence: Our integrated, data-driven solutions help eliminate the need for disparate products across the workflows within planning, fleet management, monitoring, safety and beyond. With Hexagon, mines gain a trusted partner backed by over 50 years of expertise who remains focused on an autonomous future both above and underground. Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,500 employees in 50 countries and net sales of approximately 5.8bn USD. Learn more at hexagon.com/mining and follow us @HexagonMining.



Weir

*Water Bottle & Convention Center
Water Station Sponsorship, SME
Foundation Gala VIP Table Sponsor*

Weir is a global leader in mining technology. We recognise that our planet's future depends on the transition to renewable energy, and that transition can only happen with the metals and minerals our mining customers deliver.





JENNMAR

Exhibit Hall Sunday and Tuesday Receptions Sponsorship, SME Foundation Gala VIP Table Sponsor

We are diversified manufacturer and services provider for above and below ground infrastructure that sets the standards in terms of quality and safety for our stakeholders. Our mission is total customer support and satisfaction. Our portfolio of brands are rebuilding America's infrastructure. Because we understand the ever changing and demanding conditions above and below ground we have built the richest portfolio of diverse and complementary brands. From engineering to resin manufacturing, rolled-steel and drill-steel manufacturing, custom steel fabrication, precision wear parts, tools and bits, chemical roof support and sealing products, staffing solutions, transportation and more.



Black & Veatch

IdeaXchange Innovation Stage sponsorship (booth 2030), Branded Conversation Area and Charging Lounge, SME Foundation Gala Wine Sponsorship

Black & Veatch is a 100-percent employee-owned global engineering, procurement, consulting, and construction company with a more than 100-year track record of innovation in sustainable infrastructure.

Since 1915, we have helped our clients improve the lives of people around the world by addressing the resilience and reliability of our most important infrastructure assets.



Caterpillar

Student & Young Leader EXPO Hall Center Sponsor, SME Foundation Gala VIP Table Sponsor

Caterpillar Mining is dedicated to meeting our customers' needs with customized solutions. We are evolving to address their challenges with the right products, services, and technology. Together with our dealers, we have one goal: help mining customers get the most from their machines and mine sites.

Together, We're Mining Better.



Molycop

Mineral & Metallurgical Processing Division Scotch Nightcap Title Sponsor, Mineral & Metallurgical Processing Division Luncheon Supporting Sponsor

Molycop is a leader in innovative technologies and solutions that transform mining operations. With a team of 1,500 experts, we serve 400 mines in 40 countries from 14 major sites in Africa, Australia, Canada, Chile, Indonesia, Mexico, Peru, Spain, and the USA. Our extensive product range includes grinding media, flotation chemicals, advanced instrumentation, and process control solutions. Known for our industry-leading quality and relentless pursuit of excellence, we ensure continuous operation and innovation. We also provide education and training to advance industry development. Committed to sustainability and community support, Molycop partners with you to build a better future. Learn more at www.molycop.com.

FLS

Mineral & Metallurgical Processing Division Scotch Nightcap Title Sponsor, Mineral & Metallurgical Processing Division exclusive Plenary Sponsor, Women of SME Breakfast Title Sponsor

FLS is a leading, full flowsheet minerals processing supplier to the global mining industry. We deliver proven technologies and services across the lifecycle of operations, and have set targets of providing solutions for zero-emissions mining by 2030 with our MissionZero programme.

Solenis

Women of SME Breakfast Title Sponsor, SME Foundation Gala Dinner Cocktail Reception Sponsor

Solenis is a leading global producer of specialty chemicals focused on delivering sustainable solutions for the mineral processing industry. The company's product portfolio includes flocculants, scale inhibitors, grinding aids, dust control products, viscosity modifiers, rheology modifiers, tailings treatment aids and more. These technologies enable mineral processors to improve process throughput and recovery, reduce operational costs, protect plant assets, and comply with environmental requirements. Headquartered in Wilmington, Delaware, the company has 70 manufacturing facilities strategically located around the globe and employs a team of over 16,500 professionals in 130 countries across six continents. Solenis is a 2024 Best Managed Company honoree.

MineSense

International Reception Sponsor

MineSense is a pioneer in digital mining solutions, supplying real-time, sensor-based ore sorting for mines. Our signature solution is ShovelSense, a robust sensor installed on mining equipment to scan and measure the grade of the material in every shovel and bucket. The increased real-time visibility of your orebody provided by ShovelSense drives improvements in your mine's efficiency, profitability and sustainability.

SPONSOR LISTING

Granite

SME/NSSGA Aggregates Student Design Competition Platinum Sponsor

Granite is America's Infrastructure Company™. Incorporated since 1922, Granite (NYSE:GVA) is one of the largest diversified construction and construction materials companies in the United States as well as a full-suite civil construction provider that delivers infrastructure solutions for public and private sector clients. Granite's Code of Conduct and strong Core Values guide the company and its employees to uphold the highest ethical standards. Granite is an industry leader in safety and an award-winning firm in quality and sustainability. For more information, visit graniteconstruction.com, and connect with Granite on LinkedIn, Instagram, Twitter, and Facebook.

Boart Longyear

Convention Center Column Wrap, Women of SME Breakfast Student Ticket Sponsor

Whether you need a mineral exploration drilling contractor, water services, or production drilling, you need a contractor with a rock-solid reputation and a track record for safety and innovative solutions. Boart Longyear has been operating safely with integrity and drilling with results since 1890. We consistently deliver innovative solutions to the most technical drilling challenges in some of the most complex operating environments worldwide. We accomplish it through our investment in safety, people, and equipment. TRUSTED AT EVERY TURN.

Barr Engineering Co.

Full Week Technical Track

"Even before its incorporation in 1966, Barr's founders were assisting mining and mineral processing clients with natural resource issues. Today, Barr offers one source for technical and regulatory services needed to take complex national and international mining projects of all scales from exploration, conceptual studies, environmental assessments, and permitting through detailed facility design, construction, operations, closure, and reclamation.

We use our comprehensive knowledge of the mining process; extensive engineering, environmental, and operational experience in the industry; and project-based solutions to help clients develop new projects, construct new mining and minerals-processing facilities, and modify existing operations.

Integrating engineering and environmental expertise yields a streamlined project approach that improves efficiency, communication, and understanding of both small project details and the big picture.

Headquartered in Minneapolis, we also have regional offices in Minnesota, Michigan, Missouri, Colorado, Nevada, New Mexico, North Dakota, Utah, Alberta, and Saskatchewan."

McCarl's Technical Services

SME Foundation Gala Auction Sponsor, SME Foundation Gala VIP Table Sponsor

Since 1946, McCarl's has delivered high impact customer solutions earning our place as the "first call" provider of innovative and integrated solutions. Building on that rich history of success, McCarl's Technical Services connects deep industry experience with the newest engineering and design technologies, bringing the real world and the digital world together to deliver project excellence in maintenance, operations, and capital projects.

Website: www.mccarlstech.com

Wolong Electric America

Full Week Bulk Material Handling Technical Track

Headquartered in Houston, Texas, Wolong Electric America produces motors and drives for harsh and extreme industrial environments. It has accumulated expertise in motor technology, first class manufacturing technologies, modern process equipment, and a seasoned North American sales network. Wolong provides high-quality GE-branded medium and low voltage motors for the global market and is committing to investments in advanced product technologies and process enhancements such as industrialization 4.0, robotics, and digitization.

Scout Talent

IdeaXchange Innovation Stage sponsorship (booth 230)

Scout Talent connects people to grow companies, careers, and communities.

We specialize in helping small and medium-sized organizations in mining and civil construction attract and hire top talent. Leveraging AI-enhanced recruitment technology and services, our talent acquisition experts act as an extension of your team to deliver high-performing candidates. For in-house teams, we provide AI-powered recruitment software that supports every stage of the talent acquisition process, from employer branding and recruitment marketing to shortlisting, selection, testing, and document signing. With Scout Talent, you can streamline your hiring process and build a strong workforce to drive success.

Somerset International

Technical Sessions Sponsor (Risk Management, Risk Transfer and Insurance and Coal & Energy: Coal Prep Operations and Projects sessions), Coal & Energy Division Luncheon Supporting Sponsor, Mineral & Metallurgical Processing Division Lunch Supporting Sponsor

We redefine efficiency and sustainability in processing of coal, iron ore, precious metals, copper, and phosphate. We are at the forefront of advanced processing solutions in ultrafine particle classification and dewatering across the mining industry. Our expertise in ultrafine particle classification and dewatering drives advancements in resource recovery, process optimization, and tailings management. Partner with us for innovative technologies that redefine the future of mining.

UPG

SME Foundation Gala After Party Sponsor

UPG is a group purchasing organization that connects member companies to discounts on the business products and services they use most. UPG does the negotiating with their nationally-recognized partners and passes the savings on to UPG members, saving them time and money and allowing them to focus on growing their businesses. Membership in UPG is always free and there are no purchasing obligations or long-term commitments. Join today at UPG.org



Newmont Malozemoff Technical Facility

Mineral & Metallurgical Processing Division Lunch Title Sponsor

Newmont is the world's leading gold company and a producer of copper, zinc, lead, and silver. The Company's world-class portfolio of assets, prospects and talent is anchored in favorable mining jurisdictions in Africa, Australia, Latin America & Caribbean, North America, and Papua New Guinea. Newmont is the only gold producer listed in the S&P 500 Index and is widely recognized for its principled environmental, social, and governance practices. Newmont is an industry leader in value creation, supported by robust safety standards, superior execution, and technical expertise. Founded in 1921, the Company has been publicly traded since 1925.



Komatsu

SME Foundation Gala VIP Table Sponsor, Mobile App Banner Ad Sponsor

Mining operations need trusted collaborative partners who deliver innovative insights and solutions that leverage automation and electrification while ensuring the freedom of interoperability on an open platform. Komatsu is here to partner with you to provide the equipment, technologies and services needed to help you reach your goals and position the mining industry to meet the world's need for minerals in increasingly sustainable ways. Learn how we can work with you to create lasting value for your operation by visiting our website.

Bechtel

Mineral & Metallurgical Processing Division Scotch Nightcap Title Sponsor

Bechtel is a trusted engineering, construction and project management partner to industry and government. Differentiated by the quality of our people and our relentless drive to deliver the most successful outcomes, we align our capabilities to our customers' objectives to create a lasting positive impact. Since 1898, we have helped customers complete more than 25,000 projects in 160 countries on all seven continents that have created jobs, grown economies, improved the resiliency of the world's infrastructure, increased access to energy, resources, and vital services, and made the world a safer, cleaner place.

Bechtel serves the Energy; Infrastructure; Manufacturing & Technology; Mining & Metals; and Nuclear, Security & Environmental markets. Our services span from initial planning and investment, through start-up and operations.

Martin Marietta

SME/NSSGA Student Design Competition Title Sponsor

A member of the S&P 500 Index, Martin Marietta is an American-based company and a leading supplier of building materials - including aggregates, cement, ready-mixed concrete and asphalt. Through a network of operations spanning 28 states, Canada and the Bahamas, dedicated Martin Marietta teams supply the foundational resources on which our communities thrive and grow.

Martin Marietta's Magnesias Specialties business produces high-purity magnesia and dolomitic lime products used worldwide in environmental, industrial, agricultural and specialty applications.

Luck Stone

SME/NSSGA Student Design Competition Title Sponsor

Through three generations of family leadership, Luck Stone has been building strong communities for over 100 years. Luck Stone, a division of Luck Companies, is the nation's largest and fastest-growing family-held producer of crushed aggregates and environmental performance products by propelling a culture where people can thrive. A partner to the construction, civil engineering and environmental industries, Luck Stone provides consistent, quality aggregate materials and services that serve as the foundation of roads, bridges, and buildings. With more than 30 operating locations and over 900 associates, Luck Companies is headquartered in Richmond, Virginia, where it was founded by Charles Luck Jr. in 1923. Charlie Luck IV leads the company today.

National Stone, Sand & Gravel Association (NSSGA)

SME/NSSGA Student Design Competition Title Sponsor

NSSGA is the leading voice and advocate for the aggregates industry. Our members are stone, sand and gravel producers and the equipment manufacturers and service providers who support them. NSSGA advances public policies that protect and expand the safe, environmentally responsible use of aggregates that build America's infrastructure and economy. NSSGA advocates for members' interests on health, safety and environmental issues. In addition, NSSGA offers its members many opportunities to participate in education, tradeshow and conferences that include CONEXPO-CON/AGG, AGG Academy & Expo, Young Leaders, the NSSGA Annual Convention, Leadership Summit and a Legislative & Policy Forum.

Coronado Global Resources

Coal & Energy Division Luncheon Title Sponsor

Coronado Global Resources Inc. (ASX:CRN) is a leading international producer of high-quality metallurgical coal (met coal), which is an essential element in the production of steel. Our coals, transformed in the steel-making process, support the manufacture of everyday steel-based products - including steel needed for the manufacture of renewable energy infrastructure. Coronado is one of the largest met coal producers globally, supplying customers on five continents with a range of high-quality coals. Our mining operations and development projects are located in Queensland, Australia and in Pennsylvania, Virginia and West Virginia in the United States (U.S.).

CONSOL Energy Inc.

Coal & Energy Division Luncheon Title Sponsor

CONSOL Energy Inc. (NYSE:CEIX) is a Canonsburg, Pennsylvania-based producer and exporter of high-Btu bituminous thermal coal and metallurgical coal. It owns and operates some of the most productive longwall mining operations in the Northern Appalachian Basin. CONSOL's flagship operation is the Pennsylvania Mining Complex, which has the capacity to produce approximately 28.5 million tons of coal per year and is comprised of 3 large-scale underground mines: Bailey Mine, Enlow Fork Mine, and Harvey Mine. CONSOL also developed the Itmann Mine in the Central Appalachian Basin, which has the capacity to produce roughly 900 thousand tons per annum of premium, low-vol metallurgical coking coal. The company also owns and operates the CONSOL Marine Terminal, which is located in the port of Baltimore and has a throughput capacity of approximately 20 million tons per year. In addition to the ~584 million reserve tons associated with the Pennsylvania Mining Complex and the ~28 million reserve tons associated with the Itmann Mining Complex, the company controls approximately 1.3 billion tons of greenfield thermal and metallurgical coal reserves and resources located in the major coal-producing basins of the eastern United States. Additional information regarding CONSOL Energy may be found at www.consolenergy.com.

ACNR Coal

Coal & Energy Division Luncheon Title Sponsor

We are proud to state that American Consolidated Natural Resources and its Subsidiary Companies employ and manage nearly 4,000 employees.

American Consolidated Natural Resources will manage the production of approximately 50 million tons of coal per year. American Consolidated Natural Resources manages and controls over 2 billion tons of coal reserves.

Most importantly, American Consolidated Natural Resources operates among the safest underground coal mines in the world.

This production and reserve base allows American Consolidated Natural Resources to provide electric utility customers with low cost, reliable, and high quality coal supplies

SPONSOR LISTING

Hatch

*Mineral & Metallurgical Processing
Division Scotch Nightcap
Supporting Sponsor + 2025 MPD
Calendar Sponsor*

We embrace your visions as our own and partner with you to develop ideas that are smarter, more efficient, and innovative. Our global network of 10,000 professionals work on the world's toughest challenges, with experience spanning over 150 countries around the world in the metals, energy, and infrastructure sectors. Employee-owned and independent—free to bring our best thinking to your business. Our exceptional, diverse teams combine vast engineering and business knowledge, working in partnership with our clients to develop market strategies, manage and optimize production, develop new game-changing technologies, and design and deliver complex capital projects.

Polydeck

*Mineral & Metallurgical Processing
Division Scotch Nightcap
Supporting Sponsor + 2025 MPD
Calendar Sponsor*

Polydeck is the leading provider of the most dependable synthetic screen media in the aggregate, energy & industrial, and mining industries across North and South America. We are pioneers, inventors, and we take pride in putting our customers first and providing custom solutions for any of your screening needs.

We love the work but your success is our reward. To know that you have the screens you need to keep your plant running, producing faster and producing more, is what we call Together Strong.

JH Fletcher

*SME Foundation Gala VIP Table
Sponsor, SME Foundation Gala
Door Prize Sponsorship*

Since 1937, Fletcher has been engineering and manufacturing custom solutions for underground mining. Today, Fletcher products expand into a variety of industries. Through the decades, Fletcher has operated with a singular vision: to work with a vigilant focus on finding ways to improve mining and industrial processes and reducing risk for the people who work in those industries.

Nalco Water, an Ecolab Company

*Women of SME Breakfast Title
Sponsor*

A global leader in water and process management solutions, Nalco Water, an Ecolab company, works with customers across the mining and mineral processing industry to help maximize productivity, reduce water

consumption, and optimize total cost of operation. Leveraging a global network of technical experts, research and development laboratories, and world-class training programs, we deliver unparalleled service and support to our customers.

Gold Ore

*World Gold 2025 Digital
Proceedings Sponsor*

GoldOre provides advanced mineral processing solutions, specializing in MACH REACTOR™ technology. This revolutionary reactor boosts gold recovery and metal extraction with unmatched efficiency. Utilizing energized cavitation and shear forces, it accelerates leaching and flotation, enhancing yields while cutting costs. Its innovative design optimizes mineral exposure to reagents, maximizing the liberation of valuable metals from ore. Trusted by mining companies globally, GoldOre and the MACH REACTOR drive sustainable, eco-friendly processing, delivering exceptional results even in challenging environments where traditional methods fall short.

WSP

*Mining & Exploration Division
Luncheon Supporting Sponsorship,
Environmental Division Luncheon
Title Sponsor*

WSP is one of the world's leading engineering professional services consulting firms, bringing together talented people from around the globe. We are technical experts who design and provide strategic advice on sustainable solutions, engineering projects that will help societies grow for lifetimes to come. wsp.com

AECOM

*Environmental Division Luncheon
Title Sponsor*

AECOM is a premier, fully integrated professional and technical services firm; positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. With nearly 100,000 employees serving clients in over 150 countries, AECOM is ranked as the #1 engineering design firm and #6 Top 400 Contractor by revenue in Engineering News-Record magazine's annual industry rankings; and is a market leader in transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. As a Fortune 500 firm, AECOM companies, including URS Corporation and Hunt Construction Group, have annual revenue of approximately \$18 billion.

Foth Infrastructure & Environment

*Environmental Division Luncheon
Title Sponsor*

Foth's 85-year history includes 35 years of partnering to deliver solutions for high-profile, complex metallic mineral mining projects. With 29 offices nationwide, we provide comprehensive services that encompass every stage of the mining lifecycle - from initial exploration, feasibility studies, environmental review, permitting, and operation, to closure. We take a strategic approach to understand and meet the business goals of each of our clients. Foth delivers engineering and construction services to build the infrastructure and facilities required to operate a mine. We are proud to align with industry leaders committed to responsible mining.

INTERA Incorporated

*Environmental Division Luncheon
Title Sponsor*

INTERA is a small international consulting firm of hydrogeologists, geochemists, geologists, and engineers that understand the challenges inherent in the mining life cycle. Founded in 1974, one of INTERA's first projects was the development of a complex terrain model to demonstrate that emissions from mine processing smelter stacks in the southwest U.S. met EPA air quality standards. INTERA's capabilities have grown to encompass a wide range of water resource, environmental, waste management, and engineering services that are key to successful mining projects. INTERA helps mining companies better understand environmental and water-related liabilities so they can make risk-informed decisions.

M3 Engineering & Technology

*Mineral & Metallurgical Processing
Division Lunch Title Sponsor*

Providing architecture, engineering, and construction management services on projects across the globe for thirty-eight years, M3 brings to each project an experienced staff serving with leadership and expertise, partnering with our clients for the lasting benefit of their capital improvement projects. M3 provides single-source design and engineering services allowing us to establish long-term relationships with clients often spanning multiple projects, both large and small, as each client's needs arise and change. As recognized international design leaders in mineral processing and astronomical facilities, these fields represent the broad scope of industries M3 has been entrusted with for design and engineering solutions. For more information and office locations visit www.m3eng.com

Burns & McDonnell

Mining & Exploration Division Luncheon Title Sponsorship
Burns & McDonnell is a full-service engineering, architecture, construction, environmental and consulting firm. Our over 12,000 employee-owners are comprised of engineers, architects, construction experts, planners, estimators, technicians and scientists. We plan, design, permit, construct and manage facilities all over the world, with one mission in mind: Make our clients successful.

Costmine

SME 2024-2025 Metallic Student Design Competition Technology Sponsor

Costmine Intelligence is a leading provider of comprehensive cost estimation, labor, and mine evaluation tools for the global mining industry. For over 40 years, Costmine has empowered mining professionals with accurate, reliable data, enabling smarter decisions throughout the project lifecycle. Our suite of services, including Sherpa, Mine Labor Service, Equipment Cost Service, Mining Intelligence, and Mining Cost Service, offers detailed insights into mining costs, operations, and economic evaluations. Backed by the most comprehensive mine cost data, analytics, and global property database, we are trusted by companies worldwide to deliver solutions that streamline mining projects and drive efficiency in a constantly evolving industry.

METSIM

SME 2024-2025 Metallic Student Design Competition Technology Sponsor

Metsim International (MSI) was formed in July, 2018 from the core group that has owned and operated the METSIM software since its first version was offered commercially in the early 1980s. Boasting a diverse team in ownership and management, MSI and METSIM are prepared for longevity despite fluctuating world markets. Our focus is to continue to build upon an already sturdy foundation, providing industry-leading software solutions and professional support from our international process engineering team. Adhering to the METSIM culture, our customers can be assured that program development will aim to provide additional tools to the mining and minerals market without forcing end-users to "relearn" our software packages with each update. Furthermore, our customers' insight and suggestions for improvements will always be welcomed.

Brooks & Nelson

Young Leaders Professional Development Luncheon, Young Leaders Monday Night Social, SME Foundation Gala VIP Table Sponsor, WAAIME Student Reception Basic Sponsor

Brooks & Nelson is a global consulting firm specializing in human resource management and recruiting. We focus on helping client organizations build ideal teams and foster inclusive environments. We are dedicated to partnering with our clients to create tailored solutions that address their specific organizational goals, challenges, culture, and environment. Our vision is to become the "Partner of Choice" for Human Assets in the mining industry.

ERM

Environmental Division Luncheon Supporting Sponsor, Single Technical Session Sponsor

ERM is shaping a sustainable future with the world's leading organizations. Clients all over the world call on ERM to help them respond to complex sustainability ambitions like building business resilience, supporting the transition to a low-carbon future, or enabling progress on ESG priorities. Over fifty years of experience, singular focus on sustainability, broad range of services and "boots to boardroom" approach ensure that we can work alongside our clients to address their most pressing challenges and opportunities, whether they require focused technical attention or full top-to-bottom strategy and solutions.

Geobrugg

SME/NSSGA Student Design Competition Supporting Sponsor, Single Technical Session Sponsor

Geobrugg manufactures and supplies tested and proven steel wire meshes and protection systems for ground support, rockfall protection and slope stabilization systems to improve safety and productivity for mining operations. Systems include MINEX® a rolled mesh from high-tensile strength steel wire, the MESHA® mesh-unrolling device for bolting machines, rockfall barriers and attenuators, slope drapes, and anchored mesh for slopes. With representatives throughout North America and the world, paired with manufacturing at our factory in Algodones, New Mexico we provide solutions and support tailored to the needs of today's open pit and underground mines in a fast and dependable manner.

Nevada Gold Mines

Young Leaders Professional Development Luncheon
Nevada Gold Mines Operated by Barrick is a joint venture between Barrick Gold Corporation (61.5%) and Newmont Goldcorp Corporation (38.5%), combining their significant assets across Nevada to create the single largest gold-producing complex in the world and realize the full potential of these mines through synergies and best-in-class operational improvements.

Paterson & Cooke USA

Mineral Processing Division Scotch Nightcap Supporting Sponsorship, WAAIME Student Reception Supporting Sponsor

Paterson & Cooke is an independent company renowned and trusted for its expertise in a wide range of areas that include slurry pipelines, tailings and mine backfill, and mineral processing with experience in detailed engineering and execution of multi-disciplinary projects. We pride ourselves on the quality of our work and on being able to offer innovative solutions supported through years of experience backed up by our offices and comprehensive mineral processing laboratory facilities in Australia, Canada, Chile, South Africa, United Kingdom, and the USA.



Lannon Stone Products

SME/NSSGA Student Design Competition Supporting Sponsor

Lannon Stone produces and sells quality construction aggregates in Southeast Wisconsin, serving a wide range of industries. We're committed to strengthening local communities, fostering career growth for our workforce, and enhancing the ecosystems we touch.

Ausenco

Mineral & Metallurgical Processing Division Lunch Supporting Sponsor

Ausenco is a global company providing innovative consulting, project delivery and engineering solutions to the minerals & metals sectors. We combine deep technical expertise and efficient design with a focus on sustainability. We are redefining what's possible.

SPONSOR LISTING

NewFields

*WAAIME Student Reception
Supporting Sponsor*

NewFields staff has provided design and construction services to the mining industry for over 40 years. Our staff have worked on mining projects in over 40 countries on 6 continents. These projects include water storage diversions and reservoirs, heap leach facilities, waste rock disposal facilities, tailings storage facilities, haul roads, surface water diversion, facility foundations, and engineering design for closure and decommissioning of these mine components. NewFields coordinates the design development with environmental and social service providers to ensure that all existing conditions are accounted for in selection of facility location, design, operation, and closure.

Orla Mining Ltd.

*Mining & Exploration Division
Luncheon Supporting Sponsorship,
WAAIME Student Reception Basic
Sponsor*

Orla Mining is a Canadian company focused on creating stakeholder value by responsibly finding, building, and operating high-quality mines. Currently developing the South Railroad project, located 16 miles south of Carlin, Orla is committed to Nevada and Elko County and looks forward to building Nevada's next operating gold mine, creating new jobs and benefits for Elko and its surrounding communities.

NexGen Resources

*WAAIME Student Reception Basic
Sponsor*

Charles S. McNeil graduated from the Colorado School of Mines in 1971. A fourth-generation Colorado entrepreneur, he founded NexGen Resources Corporation in 1991, where he serves as CEO. NexGen supplies coal to Xcel Energy's Texas plants and develops carbon capture technology, oil and gas resources, hydrogen projects, real estate, and more. McNeil, a licensed Professional Engineer, is active in various industry and community boards, including the Denver Area Boy Scouts and Craig Hospital Foundation.

Syensqo

*Mineral & Metallurgical Processing
Division Scotch Nightcap
Supporting Sponsor + 2025 MPD
Calendar Sponsor*

Formerly part of the Solvay Group, Syensqo Mining Solutions is a leading reagent-solutions provider to the mining industry. The business serves a diverse range of markets, including copper, polymetallic lead and zinc, alumina, precious metals gold and silver, molybdenum, lithium, nickel, cobalt and phosphate, among others. Constantly adapting to changing markets and customer needs, Syensqo pushes the boundaries of science to deliver ever-more innovative, sustainable solutions.

US Strategic Metals

*Mining & Exploration Division
Luncheon Supporting Sponsorship*

We are helping to create a safe and clean energy future, US Strategic Metals provides the innovation, resources and sustainable practices to recover and produce strategic metals for today's and tomorrow's renewables. US Strategic Metals will become the largest domestic producer of sustainable battery metals, ensuring a vital supply for U.S. industries and enhancing national security by reducing reliance from foreign countries. We are committed to a healthy workplace, supply chain transparency, conflict-free minerals and careful environmental stewardship.

Respec

*SME Foundation Gala VIP Table
Sponsor*

RESPEC is a trusted advisor in geosciences, data, and engineering, delivering integrated technology solutions for mining and minerals. Leveraging advanced methods like AI, machine learning, and robotic drones, we automate processes, streamline deposit detection, enable remote monitoring, and analyze large data sets. With decades of mining expertise and cutting-edge digital technology, RESPEC optimizes exploration, enhances safety, increases reliability, and reduces costs. From exploration to production, we provide 24/7 operational control and add value at every stage of the mine life cycle.

Metso

*SME Foundation Gala VIP Table
Sponsor*

Metso is a frontrunner in sustainable technologies, end-to-end solutions and services for mining, metals refining, aggregates production, and recycling. We help our customers improve efficiency, increase productivity and reduce environmental and economic risks. Metso Outotec has a complete portfolio of process solutions, equipment and services, as well as plant delivery capability for mining operations.

P&C Recruiting and HR

*Mineral & Metallurgical Processing
Division Lunch Supporting Sponsor*

P&C serves mining professionals and employers in these areas across the America's:

- Recruiting full-time professionals
- People strategy and Human Resources support
- Providing interim contract employees in Finance, IT, HR, health and safety, projects and more!

Our industry ties run deep through our involvement in nearly every state mining association, SME, American Exploration and Mining Association (AEMA), Women in Mining, University of Arizona, University of Utah, Montana Tech, South Dakota School of Mines & Technology, Missouri S&T, Michigan Tech, University of Nevada Reno and Penn State School of Mining & Energy. P&C actively supports AEMA's I am Mining campaign and we urge you and your companies to get involved also! <https://www.miningamerica.org/iamining>

Knight Piésold and Co

*WAAIME Student Reception Basic
Sponsor*

Knight Piésold is an employee-owned, global consulting firm providing specialist services to the mining, power, water resources, and infrastructure industries. Founded in 1921, we have a 1,300-person team operating from 29 offices across 16 countries. Our globally integrated team, together with our industry expertise and regional understanding, allows us to support clients in identifying and mitigating risk, navigating challenges, and achieving long-term success in today's

complex business environment. We work collaboratively, harnessing professional excellence and innovation, to deliver a multidisciplinary, fit-for-purpose approach for each project and to help clients realize their goals.

Brand Safway

Mining & Exploration Division

Luncheon Supporting Sponsorship

BrandSafway is a leading global provider of access, specialized services, and forming and shoring solutions to the industrial, commercial and infrastructure markets. Through a network of ~340 strategic locations across 26 countries and ~40,000 employees, BrandSafway delivers a full range of industrial service solutions. BrandSafway supports maintenance and refurbishment projects as well as new construction and expansion plans with unmatched service from expert local labor and management. Today's BrandSafway is At Work For You® — leveraging innovation and economies of scale to increase safety and productivity, while remaining nimble and responsive.

Prairie State Generating Company, LLC

Health & Safety Division 5K Stride for Safety Supporting Sponsor

The Prairie State Generating Company (PSGC) is the operating entity of the Prairie State Energy Campus (PSEC). PSEC is a 1,600-megawatt coal-fired power plant and adjacent underground coal mine. Our state-of-the-art energy campus uses modern technology to mine coal and produce baseload electricity for our member-owners. Employing state-of-the-art environmental controls ensures that PSEC leads the coal industry in clean energy production.

Prairie State is owned by nine non-profit public power utilities committed to providing clean, reliable, and affordable energy for their members. These nine owners provide power to 2.5 million families across 180 Mid-west and Mid-Atlantic communities.

First Majestic

SME Foundation Gala VIP Table Sponsor

First Majestic Silver Corp (Ag) is a Canadian-based, fast growing mid-tier silver and gold producer with mines in Mexico and Nevada. The Company's growth and development are backed by smart accretive merger and acquisition transactions, industry leading technological advancements and R&D. With an experienced Management team comprised of proven company and mine builders, shareholders are poised to capitalize on First Majestic's exceptional organic growth plans and industry-leading silver exposure. We are a diverse and inclusive organization, committed to socially responsible mining and strive to become the world's largest primary silver producer.

Innomotics

Mobile App Banner Ad Sponsor

Innomotics GmbH is a globally leading provider of electric motors and large drive systems that combines deep technical expertise and leading innovation in electrical solutions across industries and regions. With its more than 150 years of experience in developing electric motors, the company is the backbone for reliable drive technology in industry and infrastructure worldwide. Innomotics is a thought leader in the areas of industrial efficiency, electrification, sustainability, and digitalization. The company is headquartered in Nuremberg (Germany) and employs around 15,000 people worldwide. With 17 production sites and a comprehensive sales and service network in 49 countries, Innomotics has a well balanced global presence in a growing market.

University of Idaho College of Engineering

Mining & Exploration Division

Luncheon Supporting Sponsor

The University of Idaho is one of the leading engineering programs in the Northwest. Recognized by the National Academy of Engineering as one of the top seven senior design programs in the nation for infusing real-world experiences into engineering education, the College of Engineering is known for providing strong engineering fundamentals, hands-on educational programs and research experience. We have world-class facilities and dedicated professors.

We offer degree programs and certificates in a variety of fields, including civil engineering, electrical engineering, nuclear engineering, mechanical engineering, and cybersecurity. Programs are offered in Moscow, Boise, Coeur d'Alene and Idaho Falls.

SHOWFLOOR



MINE>XCHANGE
**2025 SME ANNUAL
CONFERENCE & EXPO**

CMA 127th National Western Mining Conference



Restaurant

Exhibitor Lounge

Fire Exit

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Idea Xchange

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Lounge

WORLD GOL

Fire Exit

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Student
Posters

SME
Exhibit Sales Office

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2001	2100

Restaurant	
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Fire Exit

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EXHIBITOR LISTING

& BOOTH NUMBER

5DT (Fifth Dimension Technologies)	300	BEUMER Group	1945
6Harmonics	109	BGC Engineering	1946
A.W. Chesterton Company	2122	BICO Inc	1622
ABB	1917	Bison Engineering, Inc.	1659
ABC Ventilation Systems	1122	Blair Rubber Company	324
Abel Pumps	339	Blue Coast Research	636
Accutron Instruments Inc	138	Blue Star Steel	2150
Acrow Corporation of America (Acrow Bridge)	1724	Boart Longyear	1415
ACZ Laboratories Inc.	1422	Bosch Rexroth - Hågglunds Drives	1246
Adhesive Services Company	1560	Bradken	2039
Adria Power Systems	1360	Bray Controls	1829
Advanced Terra Testing Inc.	1540	BreatheSafe - AireSafe International	2118
AECOM	1317	Brenntag	1458
Aecon	734	Bridgestone Americas Tire Operations	517
Aerix Industries	1623	Brookville Equipment Corp	1545
AGA & Sons Inc/Stuttgart Athohause	1759	Bruker	510
Agapito Associates Inc	1023	Brunel Corp	906
AGRU America, Inc	1619	Bunting	437
AGUDIO Ropeways	830	Burns & McDonnell Engineering Company, Inc	431
AIL Mining	1137	Bynecut Group	737
AIMC	326	CAB	1738
airth.io	2009	CAID Industries	426
Alfa Laval	1849	Call & Nicholas Inc. - Call & Nicholas Instruments	1813
Alia Instruments BV	2235	Canadian Institute of Mining, Metallurgy & Petroleum (CIM)	1214
Allonnia	200	Canadian Mining Journal	1424
AmerCable	1751	Canary Systems, Inc	1744
American Consolidated Natural Resources	2129	CANTY	2138
American Exploration & Mining Association	723	Carlson Software	1015
American Institute of Professional Geologists	1010	Carrier Process Equipment Group (CEPG)	2008
American Mining Services LLC	106	Carroll Technologies Group	1332
American Rock Mechanics Association (ARMA)	626	Cascade Drilling L.P.	1927
American-Biltrite	241	Caterpillar	1016
Ames Construction	2133	CCC Group, Inc	1851
AMPS	2145	Cementation USA Inc	422
ANDRITZ	1629	CETCO	1511
Anguil Environmental Systems, Inc.	430	ChemGrout, Inc.	1341
Antraquip Corporation	1615	Chevron Phillips Chemical	1114
APS Lighting & Safety	2227	CiDRA Minerals Processing Inc	1432
Aquatech	516	Civil & Environmental Consultants, Inc (CEC)	841
ARCADIS	623	Clariant Corporation	1644
Arch Resources, Inc	2131	ClearStream Environmental	2230
ASARCO	1755	COGEP Maintenance Software	1028
ASGCO Complete Conveyor Solutions	731	Colorado Division of Reclamation, Mining and Safety	204
ASI Mining	1526	Colorado School of Mines - Department of Mining Engineering	523
Atlas Electric, Inc	227	Colorado State Land Board	551
Aumund Corporation	2006	Concrete Canvas US	1749
Austin Powder	2124	ConeTec Inc	614
Avanti International	1718	Conifer Systems	305
Barnard Construction Company, Inc	427	Contech Engineered Solutions	825
Baroid Industrial Drilling Products	907	Continental	817
Barr Engineering Co	801	ControlChem Canada Ltd	451
BBA USA Inc	438	Coolon USA, Inc	2223
BCS	525	Copper State Bolt & Nut Co	1808
Beck Engineering	331	Cornell Pump Co	1706
Becker Mining Systems	2114	Costmine	1518
BEIJING SCREEN TECHNOLOGY CO, LTD	201	Cove Environmental	107
Bekaert	923	Cowin & Company/Raisebor	2045
Belt Conveyor Guarding	807	Coyne Chemical	223
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Betts Drilling	1563		



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Datamine Software	1823
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Dodge Industrial, Inc	836
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Draslovka Mining Process Solutions	449
Drill Tech Drilling & Shoring Inc	1024
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Geotech Environmental Equipment, Inc	1624
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Giddy Up Inc.	748
Global Mining Guidelines Group	2015
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GMS Mine Repair & Maintenance	805
GNB Global Inc	822
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J.H. Fletcher & Co.....	533	MES Mining	617
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The Mining Record.....	1215	North Alabama Fabricating Company, Inc	611
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EXHIBITORS

5DT (Fifth Dimension Technologies)

Booth 300

We develop Training Simulators for Business Improvement. We make operators Safer, More Productive and Less Destructive! We've been in business for 30 years and we have more than 300 simulators deployed worldwide. We've developed training simulators for more than 150 different machine models from more than 45 OEMs. We have operations in 6 countries. We offer a Business Improvement Process with our simulators. The process will help you to save fuel, reduce tire wear, reduce break abuse, reduce gearbox abuse, increase safety, improve cycle times and reduce spotting times, among others.

Products & Services

Consulting - Management
Continuous Mining Machines
Draglines
Drilling Equipment
Educational
Excavators
Loaders
Longwall Mining Equipment
Training Services
Trucks and Haulage Units

Main Office

12249 Science Dr, Ste 135
Orlando, FL 32826 United States of America
Phone: (407) 734-5377
Email: dennis.mayo@5dt.com
www.5DT.com

6Harmonics

Booth 109

Technology manufacturer of a wireless ruggedized edge router, for industry 4.0 applications in rural and remote geographies

Products & Services

Information Technology Products

Main Office

21 Concourse Gate, Unit 2
Ottawa, ON K2E7S4 Canada
Phone: (613) 366-1768
www.6harmonics.ca

A.W. Chesterton Company

Booth 2122

For 140 years, Chesterton has been a world leader in helping process industry companies and manufacturers improve the reliability and efficiency of their process platforms. We are known across a wide range of industries for our award-winning pump and valve sealing solutions, applications expertise, equipment maintenance and wear-prevention products, and knowledgeable hands-on local service. Our product lines include mechanical seals and packing, hydraulic and pneumatic seals, industrial lubricants, MRO chemicals, composite coatings and condition monitoring sensors.???Year ?Founded: 1884 in Boston, Massachusetts Headquarters: Groveland, Massachusetts, USA (north of Boston)??Employees: Over 1,100 in 27 Countries Sales Offices: 113 Countries???

Products & Services

Coatings (does not include Linings and Claddings)
Lubricants and Equipment
Pumps
Seals
Sensors
Solvents - Extraction, Mixer and Settlers
Urethane Cast Parts
Valves

Main Office

860 Salem St
Groveland, MA 01834 United States of America
Phone: (339) 927-1335
www.chesterton.com

ABB

Booth 1917

From mine to market... We start with great people, engineering expertise and over a century of experience. Our team provides integrated products, services and solutions to help mining and mineral processing customers optimize power and productivity resulting in increased availability and lower lifetime costs. ABB offers a comprehensive range of reliable and high efficiency motors and drives to help every application reach new levels of efficiency and energy savings under the most demanding conditions. The Baldor-Reliance and ABB brands of industrial electric motors and drives increase the productivity and profitability of all operations.

Products & Services

Controls - Electrical and Electronic
Drives - Magnetic and Variable
Electric Motors and Generators
Measurement and Monitoring Systems
Sensors

Main Office

5711 RS Boreham Jr St
Ft Smith, AR 72901 United States of America
Phone: (479) 646-4711
www.baldor.com

ABC Ventilation Systems

Booth 1122

ABC Ventilation Systems and Turnstone Industrial Solutions are world leaders in mine and tunnel ventilation solutions. Our commitment to always remaining the benchmark for quality, innovation and customer service ensures our end users receive unmatched products and support. Presently, our manufactured product offerings include: ToughVent High Efficiency Fans, HardLine Performance Ducting, HardLine Silencers, FlexLine Performance Ducting, Fiberline fiberglass ducting, Mi-Vent Monitoring Systems, Engineered Inflatables and Quality Accessories to complement all product lines.

Products & Services

Dust and Fume Control Technology
Fans and Blowers
Ventilation Systems, Materials and Equipment

Main Office

1802 Quebec Ave
Saskatoon, SK S7S1L4 Canada
Phone: (306) 653-4303
www.abcventilation.com

Abel Pumps

Booth 339

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Products & Services

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Environmental Control Equipment and Supplies
Pumps
Reclamation Equipment and Services
Remediation

Main Office

800 North Main St
Mansfield, OH 44902 United States of America
Phone: (203) 885-5836
www.Ablepumps.com

Accutron Instruments Inc

Booth 138

Accutron Instruments is the global choice for mine ventilation monitoring equipment. Providing advanced technology that accurately monitors airflow, climate, heat stress, gas, dust, silica, and DPM for reliable real-time mine ventilation management. Since 1993, Accutron Instruments has continued to advance their technologies in ultrasonic ventilation monitoring. Their technology remains the most effective and reliable solution for continuous monitoring of air movement in underground mines, tunnels, and other industrial applications. This proudly Canadian manufacturer is also partnered with other global leaders of real-time particulate monitoring to bring the best technologies to clients, so they can better understand their environment underground.

Products & Services

Automation
Diesel Particulate Control Systems
Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Measurement and Monitoring Systems
Oxygen - Gas Equipment and Suppliers
Process Controls and Instruments
Safety Equipment
Sensors
Ventilation Systems, Materials and Equipment

Main Office

11 Mary St
Sudbury, ON P3C 1B4 Canada
Phone: (705) 682-0814
Email: sales@accutroninstruments.com
www.accutroninstruments.com

Acrow Corporation of America (Acrow Bridge)

Booth 1724

Acrow has been serving the transportation and construction industries for more than 70 years with a wide range of modular steel bridging solutions for permanent, temporary and emergency use. Acrow's prefabricated modular solutions are designed and manufactured to the highest quality assurance standards in the world. Our versatile modular technology is engineered to accommodate a wide range of customizable lengths,



widths and loads and our bridging components are hot-dip zinc galvanized, offering a service life of more than 100 years. Acrow's extensive international presence includes leadership in the development and implementation of bridge infrastructure projects in over 150 countries worldwide.

Products & Services

Mine Operators
Mining Contractors
Reclamation Equipment and Services
Temporary Structures
Transportation
Underground - Construction and Structures

Main Office

181 New Rd, Ste 202
Parsippany, NJ 07057 United States of America
Phone: (973) 244-0080
www.acrow.com

ACZ Laboratories Inc

Booth 1422

Founded in 1980, ACZ Laboratories is an accredited environmental testing laboratory with inorganic, organic, geochemical, and radiochemical capabilities. We specialize in the analysis of trace-level contaminants in water, soil, rock, sediment, sludge, and biota. ACZ operates out of a 31,000 sq ft facility and meets the needs of mining operations and consultants throughout the United States and internationally. Our capabilities include EPA LEAF methods, humidity cell tests (HCT), acid-base accounting (ABA), meteoric water mobility procedures (MWMP), net acid generation tests (NAG), and sequential extractions. We hold NELAP, NV mining laboratory, and multiple state certifications.

Products & Services

Laboratory and Scientific Services

Main Office

2773 Downhill Dr
Steamboat Springs, CO 80487 United States of America
Phone: (970) 879-6590
www.acz.com

Adhesive Services Company

Booth 1560

Adhesive Services Company specializes in foundation repair, grouting, and regrouting of heavy industrial machinery, and the restoration of concrete foundations and structures. Our services also include anchor bolt repairs and replacement, pressure grouting of baseplates, new installations, diamond coring with air powered equipment, and evaluations and technical reports with turnkey capability. We provide a broad range of solutions and unique repair methods for handling foundation repairs. Performing both contracting and consulting services with technology at the jobsite, we maintain an excellent safety record and all our mechanical tools are air powered to assure safety, as well as

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Concrete Reinforcement and Equipment
Construction - Contracting Services
Crushers and Pulverizers
Fans and Blowers
Grouting Services, Equipment and Materials

Kilns
Maintenance Services
Scrubbers

Main Office

6730 Northwinds Dr
Houston, TX 77240 United States of America
Phone: (713) 896-0526
Email: questions@adhesiveservices.com
www.adhesiveservices.com



Adria Power Systems

Booth 1360

We are a manufacture of electrical power systems for heavy industries. We make Mine power centers, switchgears, junctions boxes, DC fast chargers, etc.

Products & Services

Controls - Electrical and Electronic
DC Power
Dewatering Equipment
Electrical Equipment and Supplies
Power Transmission Equipment

Main Office

1250 rue Saguenay
Rouyn-Noranda, QC J9X 7C3 Canada
Phone: (819) 797-5881
Email: info@adria-corp.com
adria-corp.com/en/

Advanced Terra Testing Inc

Booth 1540

Advanced Terra Testing, Inc. is an independently owned geotechnical testing laboratory which specializes in rock and soil mechanics, construction materials testing, geosynthetic testing, and the potential interaction between these materials. Rock and soil mechanics capabilities include unconfined and triaxial strength, shear and tensile strength, permeability, consolidation, elastic moduli determinations, and index testing. Construction materials testing includes the physical characteristics of aggregates including abrasion, durability and soundness in addition to concrete strength. Geosynthetic testing capabilities include index testing, peel and shear, tensile, puncture and more comprehensive analysis. ATT serves clients from around the world as well as those close to home.

Products & Services

Laboratory and Scientific Services

Main Office

833 Parfet St, Unit A
Lakewood, CO 80215 United States of America
Phone: (303) 232-8308
www.terratesting.com

AECOM

Booth 1317

AECOM is a premier, fully integrated professional and technical services firm; positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. With nearly 100,000 employees serving clients in over 150 countries, AECOM is ranked as the #1 engineering design firm and #6 Top 400 Contractor by revenue in Engineering News-Record magazine's annual industry rankings; and is a market leader in transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. As a Fortune 500 firm, AECOM companies, including URS Corporation and Hunt Construction Group, have annual revenue of approximately \$18 billion.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Mine Operators
Mining Contractors

Main Office

7595 E Technology Wy, Ste 200
Denver, CO 80237 United States of America
Phone: (303) 740 3961
www.aecom.com

Aecon

Booth 734

With more than 150 years of experience, Aecon is a trusted construction and infrastructure development partner in North America. We support our clients and partners in the mining sector with seamless solutions through every stage of the mining process, focused on safety, operational excellence, and reliability. As a self-perform constructor with diverse capabilities, we are leading the way in industrial construction.

Products & Services

Construction - Contracting Services
Underground - Construction and Structures

Main Office

9375 E Shea Blvd
Scottsdale, AZ 85260 United States of America
Phone: (780) 231-5196
www.aecon.com

Aerix Industries

Booth 1623

Aerix Industries manufactures and globally supplies a dynamic foam liquid concentrates product line. This enables our customers to produce and install high-quality lightweight cellular concretes and utilize foam technology for various applications. For the mining industry, foam technology can be utilized for mine backfill, annular or tunnel backfill, tailings or material transport, ground support, and reclamation. Aerix Industries is constantly pioneering new technologies and solutions, including foam technology for treating acid rock drainage and coal dust. Drop your card, and we can discuss your application and see how foam technology can solve your next project challenge.

EXHIBITORS

Products & Services

Backfilling
Grouting Services, Equipment and Materials
Reclamation Equipment and Services

Main Office

7020 Snowdrift Rd
Allentown, PA 18106 United States of America
Phone: (610) 398-7833
www.aerixindustries.com

AGA & Sons Inc/Stuttgart Athohause

Booth 1759

Bowman Mining Services include Geologic Consulting, Mine Planning, Mineral Process Plant, Mine Facility, Mine Infrastructure Design, Mine Water and Environment, Construction Management and Survey. Mining industries services by Bowman include base metals, precious metals, industrial minerals and construction materials throughout the US, and Latin America.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental

Main Office

614 Glenn St
Tucson, AZ 85705 United States of America
Phone: (520) 463-3200
Email: klang@bowman.com
www.bowman.com/markets/mining-exploration

Agapito Associates Inc

Booth 1023

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Exploration Equipment and Services
Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Mine Evaluations - Surface and Underground
Mineral Prospecting
Roof - Ground Supports
Ventilation Systems, Materials and Equipment

Main Office

715 Horizon Dr, Ste 340
Grand Junction, CO 81506 United States of America
Phone: (970) 242-4220
www.agapito.com

AGRU America, Inc

Booth 1619

Since 1988, Georgetown, SC-based AGRU America, Inc. has been on a mission to build a better future through the development of innovative plastics solutions and fostering strong relationships built upon the highest standards of quality, service, and dependability. AGRU America is a subsidiary of AGRU GmbH, an Austrian family-owned business since 1948 with production facilities in Austria, the United States, Germany, and China. AGRU solutions, which include state-of-the-art products such as AGRU geosynthetics, concrete protective liners, pipes and fittings, and semi-finished prod-

ucts, are distributed in over 80 countries worldwide. Visit our website to learn more.

Products & Services

Concrete Reinforcement and Equipment
Geological-Physical-Technical Services and Equip
Grinding Media and Liners
Linings and Claddings
Pipes
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control
Tunnel Lining and Support Materials

Main Office

500 Garrison Rd
Georgetown, SC 29440 United States of America
Phone: (800) 373-2478
www.agruamerica.com



AGUDIO Ropeways

Booth 830

AGUDIO, founded in Italy in 1861, is the brand of Leitner S.p.A., leader in engineering and construction of conventional and non-conventional transportation systems on ropes for bulk material handling, such as Flyingbelt (conveyor belt suspended on ropes), hybrid conveyors, ropeways and cablecranes. Agudio is active in North America through its parent company LPoA (Leitner Poma of America)

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems

Main Office

Via Tommaso Agudio 8
Leini 10040 Italy
Phone: +390110721200
www.agudio.com

AIL Mining

Booth 1137

AIL Mining designs and supplies engineered structural plate solutions for a wide range of mine site infrastructure needs, including haul road crossings, mine portals, stockpile and conveyor tunnels, escape tunnels, vertical shaft liners, and vent raises. We also offer drainage culverts, prefabricated steel bridges, bridge abutments, and crusher dump walls. Learn more at ailmining.com

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Pipes
Steel Pipe
Temporary Structures
Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

115 B Saltsman Drive
Cambridge, ON N3H 4R7 Canada
Phone: (613) 477-8601
www.ailmining.com

AIMC

Booth 326

The APMC is an association of professionals from the mining sector in Colombia, to exercise their representation, aiming for the updating of their skills and the ethical exercise of their professions. It acts as a promoter of best mining practices and as a consultant and advisor on mining issues before the competent authorities, the productive sector, territorial entities and other actors in the mining industry.

Products & Services

Consulting - Engineering
Consulting - Environmental
Consulting - Financial Services
Consulting - Management
Consulting - Research
Educational
Mineral Prospecting
Professional Society or Association
Recruiting/Staffing
Training Services

Main Office

Carrera 80 65-223 Bloque M6 Oficina 101
Edificio Dos Maderos Apto 1001
Medellin 13114 Colombia
Phone: +57 3014358022
apmcolombia.org/

airth.io

Booth 2009

airth.io is leading an AI powered mining revolution! We provide technology solutions for miners built by miners. Utilize our low-code platform driven by your data to connect planning, operations, processing, finance, and more. Select pre-built applications and build your own. Take advantage of industry-tailored Artificial Intelligence, Machine Learning, and Data Engines to create prescriptive guidance and reduce the cost of mining.

Products & Services

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Automation
Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Financial Services
Consulting - Management
Measurement and Monitoring Systems
Mine Evaluations - Surface and Underground
Sensors

Main Office

PO Box 35242
Tucson, AZ 85740 United States of America
Phone: (520) 497-2780
Email: contact@airth.io
www.airth.io/

Alfa Laval

Booth 1849

Alfa Laval offers the most extensive range of equipment and expertise to help you with tailings dewatering and optimizing key processes in mineral beneficiation and extraction. Our robustly designed solid-bowl decanter centrifuges are an effective, high capacity solution for dewatering tailings and mine wastewater. The goal is to help you avoid tailings dams, produce stackable solids, recover process water and ensure operational safety – all while reducing your total cost. Stop by our booth to learn more about the new era in tailings management ushered in by Alfa Laval for the Mining industry. Please visit our website.

Products & Services

Centrifuges
Dewatering Equipment
Dust and Fume Control Technology
Reclamation Equipment and Services
Remediation
Separators and Concentrators
Thickeners
Tunnel Boring Equipment
Water Clarification and Treatment

Main Office

5400 International Trade Dr
Richmond, VA 23231 United States of America
Phone: (804) 536-0869
www.alfalaval.us/industries/mining-minerals-and-pigment/base-minerals-and-mining/

Alia Instruments BV

Booth 2235

Alia Instruments was founded in 2017 in The Netherlands, providing users with a robust, non-nuclear slurry density meter. The development originated in the dredging industry due to a need to optimize productivity, and continued in close partnership with the high-technology company Demcon Advanced Mechatronics. The density meter measures mass according to Sir Isaac Newton's second law, using multiple accelerometers. Simple, "fit and forget" commissioning, Traceable, wet factory calibration ("Trust is good, traceability is better": Anton Paar), Fast-reacting, full-bore measurement, For abrasive, inhomogeneous slurries - Independent of solids size/shape, abrasiveness, conductivity (salinity, clay), magnetism, radioactivity or consistency

Products & Services

Analyzers
Dredges
Flotation Machines and Equipment
Grinding Mills

Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments
Sensors
Thickeners
Tunnel Boring Equipment

Main Office

Josink Esweg 58
Enschede 7545 PN Netherlands
Phone: +31 653 981738
Email: info@aliainstruments.com
www.aliainstruments.com

Allonnia

Booth 200

We are Allonnia, a bio-ingenuity company™ dedicated to extracting value where others see waste. We believe that elegant solutions to the world's biggest problems will be found in the world's smallest organisms. So, we're pioneering novel approaches and imaginative combinations in biotechnology and engineering to solve waste challenges in nature, using nature.

Products & Services

Consulting - Research
Reagents - Chemical and Flocculants
Remediation
Solvents - Extraction, Mixer and Settlers



AECOM

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With more than a century of experience, AECOM provided planning, permitting, designing, building and supporting operations for metal/mineral processing facilities in some of the world's richest regions. From conception to engineering, procurement, and construction management to decommissioning, our team works across the project life cycle delivering environmental and engineering services to our mining clients.

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EXHIBITORS

Main Office

6 Tide St, Ste 300
Boston, MA 02210 United States of America
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allonnia.com

AmerCable

Booth 1751

Since the electrification of mines, AmerCable's core business is powering mining equipment. Surface or underground – AmerCable has a cable productivity solution for your mine. Our time-proven (101 years) Tiger® Brand power cables are designed for your toughest conditions. As the leading manufacturer of mining cables in North America, AmerCable is dedicated to producing cables that last longer in harsh mining environments, provide greater levels of safety and deliver the lowest cable cost per ton!

Products & Services

Couplings - Mechanical, Flexible and Rigid
Electric Wire and Cable

Main Office

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Phone: (870) 862-4919
www.amercable.com

American Consolidated Natural Resources

Booth 2129

We are proud to state that American Consolidated Natural Resources and its Subsidiary Companies employ and manage over 3,000 employees and currently operates or manages 4 active coal mines, consisting of 5 underground longwall mining systems and 10 continuous mining units. American Consolidated Natural Resources will manage the production of approximately 30 million tons of coal per year. American Consolidated Natural Resources manages and controls over 2 billion tons of coal reserves. Most importantly, American Consolidated Natural Resources operates among the safest underground coal mines in the world. This production and reserve base allows American Consolidated

Main Office

46226 National Rd
St Clairsville, OH 43950 United States of America
Phone: (740) 338-3100
www.acnrinc.com

American Exploration & Mining Association

Booth 723

The American Exploration & Mining Association (AEMA) is an effective and proactive advocate for the North American mining community, successfully influencing the outcome of political dialogue, building effective working strategies with key elected officials, developing and coordinating industry's response to legislative and regulatory issues, and galvanizing the grassroots. AEMA's Annual Meeting and Exposition, held the first week of December, is the second-largest annual mining convention in the U.S. The convention includes short courses, technical sessions, and a 250-booth trade exposition.

Products & Services

Professional Society or Association

Main Office

16201 E Indiana Ave, Ste 3280
Spokane Valley, WA 99216 United States of America
Phone: (509) 624-1158
Email: info@miningamerica.org
www.miningamerica.org

American Institute of Professional Geologists

Booth 1010

The American Institute of Professional Geologists was founded in 1963 to promote the profession of geology and to provide a framework for establishing standards of excellence. AIPG emphasizes competency, integrity and ethics. Its advocacy efforts are focused on the promotion of the role of geology and geologists in society.

Products & Services

Educational
Professional Society or Association

Main Office

1333 W 120th Ave, Ste 211
Westminster, CO 80234 United States of America
Phone: (303) 412-6205
www.aipg.org

American Mining Services LLC

Booth 106

American Mining Services supplies drilling and blasting consumable products and services to the mining industry. We are committed to only offering industry-leading product quality, innovation and most importantly, excellent customer service.

Products & Services

Drill Bits - Rock

Main Office

263 River Bend Way, Ste 100
North Salt Lake, UT 84054 United States of America
Phone: (801) 683-8225
www.americanminingservices.com

American Rock Mechanics Association (ARMA)

Booth 626

The American Rock Mechanics Association (ARMA) is a professional and international engineering and scientific society, which promotes interaction among specialists, practitioners, scholars, and educators in rock mechanics and geomechanics. We advocate for individuals and firms in all aspects of rock mechanics and geomechanics, including multi-disciplinary rock physics and rock engineering technology advancement and technological applications for civil engineering, mining engineering and tunneling, oil and gas recovery, and geo-related socioeconomic problem-solving.

Products & Services

Professional Society or Association

Main Office

2314 Foothills Dr. South
Golden, CO 80401 United States of America
Phone: (509) 844-8873
www.armacocks.org

American-Biltrite

Booth 241

American Biltrite is the industry leader in the sheet rubber market. Offering engineered rubber products for the mining industry for abrasion and chemical protection including uncured & cured rubber linings (with and without bonding layer) in addition to full mixing capabilities. American Biltrite leads the industry in quality and innovation using their state-of-the-art laboratory and cutting-edge manufacturing equipment with customer care that is nothing short of excellence.

Products & Services

Conveyor Belting - Accessories and Equipment
Linings and Claddings

Main Office

200 Bank St
Sherbrooke, QC J1H 4K3 Canada
Phone: (819) 829-3300
Email: rubber@american-biltrite.com
www.american-biltrite.com

Ames Construction

Booth 2133

Ames' proven history of successfully executing complex mining projects under demanding schedules has placed us at the forefront of the mining industry for more than 35 years.

Working for some of the world's largest mining companies, we've built an arsenal of experience across the mining lifecycle. Our capabilities include pre-production stripping, turnkey mine development, contract mining, mine closure and reclamation, detailed structural and mechanical modifications, leach pads, tailings dams, major renovations to existing processing facilities, and aggregate processing.

Products & Services

Construction - Contracting Services
Mining Contractors

Main Office

8333 E Hartford Dr
Scottsdale, AZ 85255 United States of America
Phone: (602) 431-2111
www.amesconstruction.com

AMPS

Booth 2145

Your Partner in Technical Services. Since 2011, AMPS has been an industry leader in mining technical services optimizations, systems, and training with significant experience in operational engineering and geology. We are a team of over 70 resource professionals providing world-class support to mining technical service teams. With a passion for education, training and production systems, we help build the capabilities within organizations to future-proof technical services departments and unlock value in mining operations globally.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Management
Mine Evaluations - Surface and Underground
Training Services



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EXHIBITORS

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Email: partner@advancedmps.com
www.advancedmps.com

ANDRITZ

Booth 1629

ANDRITZ Separation provides mechanical and thermal solid/liquid separation technologies, complemented by comprehensive services and automation and digitalization solutions for the chemicals, environment, food and beverage, as well as mining and minerals industries. The customized, innovative solutions focus on minimizing the use of resources and achieving highest process efficiency, thus making a substantial contribution towards sustainable environmental protection. With over 150 years of experience and more than 2,400 specialists around the globe, ANDRITZ Separation is a driving force in the evolution of separation solutions to meet tomorrow's changing demands.

Products & Services

Automation
Computer - Software and Services
Controls - Electrical and Electronic
Dewatering Equipment
Filters, Filter Cloth and Accessories
Mine Operators
Process Controls and Instruments
Separators and Concentrators
Training Services
Water Clarification and Treatment

Main Office

13560 Morris Rd, Ste 1250
Alpharetta, GA 30004 United States of America
Phone: (604) 214-9248
www.andritz.com

Anguil Environmental Systems, Inc.

Booth 430

Anguil Environmental provides highly-engineered, environmental equipment and service solutions that help clients solve complex air and water pollution control challenges at mines across the globe. On air pollution control applications, Anguil handles the design, manufacturing, service, and installation of thermal and catalytic oxidizers for the destruction of Volatile Organic Compounds (VOCs) and Hazardous Air Pollutants (HAPs). Our energy recovery systems can reduce a mine's operating costs, carbon footprint, and energy consumption by utilizing waste heat. For wastewater treatment applications, we provide turnkey treatment trains. Anguil can integrate a range of technologies with proven techniques.

Products & Services

Dust and Fume Control Technology
Emissions Control
Environmental Control Equipment and Supplies
Pollution Control Equipment
Remediation
Scrubbers
Ventilation Systems, Materials and Equipment
Water Clarification and Treatment

Main Office

8855 N. 55th St.
Milwaukee, WI 53223 United States of America
Phone: (414) 365-6400
Email: info@anguil.com
www.anguil.com

Antraquip Corporation

Booth 1615

Antraquip, continues to be a leading manufacturer of specialized mining/construction equipment and tunnel support products worldwide. With 40+ year history of supplying roadheaders, hydraulic rock cutters (drum cutters) and saw attachments as well as mine/tunnel support systems, Antraquip's products have become synonymous for quality, reliability and durability for the most challenging underground mining/tunneling projects. Whether it's the AQ roadheader line, which is used predominantly for mine development and tunneling operations, the hydraulic cutters which are used for almost unlimited rock cutting operations or the innovative tunnel/mine support products (lattice girders, steel sets, props, etc.), Antraquip Corp is your reliable partner.

Products & Services

Boring Equipment
Concrete Reinforcement and Equipment
Continuous Mining Machines
Remediation
Roadheaders
Roof - Ground Supports
Tunnel Boring Equipment
Tunnel Lining and Support Materials
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

758 Bowman Ave
Hagerstown, MD 21740 United States of America
Phone: (301) 665-1165
www.antraquip.net

APS Lighting & Safety

Booth 2227

APS is a leading lighting and safety product specialist that provides consulting services, training, and local product support.

Our team is fully committed to doing what it takes to understand your project and your required lighting and safety standards. We understand that each customer has different needs, which is why our team does not take a one solution or one product fits all approach. Your company will have access to a wealth of international experience. APS has more than 20 years' experience in the lighting and safety markets in North America, South America, Southeast Asia, and Australia.

Products & Services

Lighting Systems and Lamps
Safety Equipment

Main Office

610 Gateway Ctr Way, Ste J & K
San Diego, CA 92102 United States of America
Phone: (619) 263-4164
www.aps-supply.com/

Aquatech

Booth 516

Aquatech is a recognized global leader in end-to-end process solutions to produce technical and battery grades of lithium carbonate, lithium hydroxide, and lithium salts. Leveraging its experience and know-how, Aquatech offers holistic solutions to produce critical mineral-based chemicals and salts for EV batteries and from battery recycling, providing applied development and testing with demonstration-scale process units to engineering and design, project management and execution, through post-installation operations and maintenance. Aquatech has delivered over 2,000 facilities across 60 countries and helps the world's most recognized companies reduce their water, carbon, and environmental footprint, helping them achieve and sustain their sustainability goals.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Environmental Control Equipment and Supplies
Ion Exchange Equipment and Resins
Laboratory and Scientific Services
Pollution Control Equipment
Separators and Concentrators
Thickeners
Water Clarification and Treatment

Main Office

1 Four Coins Dr
Canonsburg, PA 15317 United States of America
Phone: (724) 746-5300
www.aquatech.com/

ARCADIS

Booth 623

Arcadis is the leading global natural and built asset design and consultancy firm. Our deep knowledge of the unique and multifaceted mining industry, combined with our extensive global network and decades of experience, uniquely position us to help you manage your asset portfolio while minimizing your operational costs, bringing world-class expertise to support local teams who understand your concerns. Our expertise includes environmental studies, mitigation strategies, planning, engineering, procurement, project and construction management, operations support and improvement. We offer unique services tailored to all areas and disciplines from Pit to Port for the entire mine and project life cycles.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Remediation
Water Clarification and Treatment

Main Office

630 Plaza Dr, Ste 200
Highlands Ranch, CO 80129 United States of America
Phone: (720) 344-3500
www.arcadis.com



Arch Resources, Inc

Booth 2131

Arch Resources is a leading U.S. producer of metallurgical products for the global steel industry, and the leading supplier of premium High-Vol A metallurgical coal globally. Arch and its subsidiaries operate four large, modern metallurgical mines that consistently set the industry standard for both mine safety and environmental stewardship.

Products & Services

Mine Operators

Main Office

21550 Barbour County Hwy
Philippi, WV 26416 United States of America
Phone: (304) 314-5136
www.archrsc.com

ASARCO

Booth 1755

ASARCO LLC is a subsidiary of one of the world's largest Copper producers, Grupo Mexico, which ranks third in the United States in Copper production. ASARCO LLC is a fully integrated miner, smelter, and refinery of copper in the United States with over 2,800 employees spanning across 3 sites in Arizona.

Products & Services

Mine Operators

Main Office

1365 W Pima Mine Rd
Sahuarita, AZ 85143 United States of America
Phone: (520) 356-2390
www.asarco.com

ASGCO Complete Conveyor Solutions

Booth 731

ASGCO "Complete Conveyor Solutions" Since 1971, we have used engineered products and services to provide our customers with the best solutions to their conveyor material handling applications by eliminating carry-back, material spillage and dust in the transfer points and insuring proper conveyor belt tracking throughout the conveyor system. Combined with our national network of distributors, we can provide you with custom engineering and design to meet your specific conveyor needs, along with installation and maintenance programs that will streamline your operation by increasing production up time and lowering costs. Need solutions to improve efficiency, safety and productivity? Ask ASGCO.

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems
Dust and Fume Control Technology
Fasteners - Industrial
Safety Equipment

Main Office

730 Bangor Rd
Nazareth, PA 18064 United States of America
Phone: (610) 821-0216
Email: info@asgco.com
www.asgco.com

ASI Mining

Booth 1526

ASI Mining is the leader in OEM agnostic autonomous solutions for surface mining. In conjunction with Epiroc, its authorized dealer, ASI Mining offers autonomous haulage systems using its agnostic autonomous integration platform called Mobius. ASI Mining also offers semi-autonomous solutions in blasting, dozers, loaders, and integrates with autonomous drills from Epiroc.

Products & Services

Automation
Autonomous Vehicles
Computer - Hardware and Services
Computer - Software and Services
Information Technology Products

Main Office

990 N 8000 W
Petersboro, UT 84325 United States of America
Phone: (435) 755-2980
www.asirobots.com/mining/

Atlas Electric, Inc

Booth 227

Atlas Electric, Inc. specializes in the sales and service of electrical power distribution and control equipment. We stock a huge inventory of new, surplus, and reconditioned equipment, parts, and components. Our professional sales, engineering, and technical staff have years of experience and knowledge in the industry and are ready to assist with anything from hard to find or obsolete circuit breakers to complete substations. We are committed to providing you with quality, competitively priced electrical products and services backed by our one-year warranty.

Products & Services

Electrical Equipment and Supplies
Feeder Breakers
Hoists - Controls and Accessories
Maintenance Equipment and Supplies
Parts - Mining Machinery
Shortwall Mining Equipment
Temporary Structures
Tunnel Boring Equipment

Main Office

1203 N Havana St
Spokane, WA 99202 United States of America
Phone: (509) 534-8389
atlaselectricinc.com/

Aumund Corporation

Booth 2006

AUMUND Group excels in global expertise for conveying and storing abrasive or cohesive bulk materials in minerals and raw materials extraction. Their diverse product range matches the wide spectrum of minerals. AUMUND is the preferred equipment for conveying or storing challenging bulk materials. SCHADE machines are renowned in mineral storage, especially for top-tier coal storage and blending beds. Originating as a specialist company, SAMSON delivers mobile solutions for bulk materials handling, specializing in reliable and dust-controlled reception and transfer of materials between conveyors, trucks, rail wagons, or ships.

Products & Services

Bins, Hoppers, Silos and Storage
Blending Systems
Consulting - Engineering
Conveyor Systems
Feeders

Main Office

250 Chastain Rd NW, 150
Barrett Lakes Center I
Kennesaw, GA 30144 United States of America
Phone: (678) 488-4979
www.aumundusa.com

Austin Powder

Booth 2124

Austin Powder is renowned for its unsurpassed customer service and its broad range of engineered solutions – from bulk trucks to underground units, emulsion technologies to electronic initiation systems, and predictive vibration modeling software to optimized blast design. All solutions are developed to advance the safety, reliability, and efficiency of breaking rock. Find out how the Austin Advantage can help your organization.

Products & Services

Explosive Materials and Services

Main Office

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Cleveland, OH 44122 United States of America
Phone: (216) 464-2400
www.austinpowder.com



Avanti International

Booth 1718

Avanti International is an American owned and operated injection grout producer located near Houston, TX. Avanti's injection grouts are used in municipal, industrial and geotechnical applications to stop leaks, stabilize soil and rock, and control groundwater - permanently. We have a comprehensive product line of acrylics, polyurethanes, cements, epoxies, pump, injectors, and more. Visit our website or call for more information.

Products & Services

Grouting Services, Equipment and Materials
Pumps
Sediment & Erosion Control
Underground - Construction and Structures

Main Office

822 Bay Star Blvd
Webster, TX 77598 United States of America
Phone: (800) 877-2570
Email: info@avantigrout.com
www.avantigrout.com

EXHIBITORS

BARNARD

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Barnard Construction Company, Inc

Booth 427

Founded in 1975, Barnard Construction Company, Inc. (Barnard) is a privately held, debt-free heavy civil contractor headquartered in Bozeman, Montana. Over the last 48 years, Barnard has built a respected résumé, tackling some of the most complex, logistically challenging construction projects in North America. Barnard specializes in tunneling; oil, gas, utility, sewer, and water pipeline projects; dam, reservoir, and hydropower construction and rehabilitation; and power transmission. Our respected tunneling and underground construction experts set the standard for safety and excellence, whether they are building an intake tunnel in remote British Columbia or a gravity pipeline in urban Redwood City, California.

Products & Services

Construction - Contracting Services

Main Office

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Bozeman, MT 59715 United States of America
Phone: (406) 586-1995
www.barnard-inc.com

Baroid Industrial Drilling Products

Booth 907

"The Original Drilling Fluids Company" Performance products and comprehensive services for industrial drilling applications. Baroid IDP has the largest staff of field service professionals to work onsite with contractors. We provide our products through the industry's largest retail distribution network. The majority of our products are NSF Standard 60 certified.

Products & Services

Drilling Equipment
Exploration Equipment and Services
Water Clarification and Treatment

Main Office

3000 N Sam Houston Pkwy E
Houston, TX 77032 United States of America
Phone: (605) 892-5253
Email: mike.houston@halliburton.com
www.baroidip.com

Barr Engineering Co

Booth 801

For 50 over years, Barr has been assisting national and international mining clients with complex, large-scale projects. We offer a single source for the technical and regulatory services needed to take projects from conceptual studies and environmental assessments through facility construction, operations, and closure. Barr's services include environmental review, permitting, and compliance; reserve estimation and resource reporting; mine planning; mineral processing; facility and site design; electrical and process controls; tailings and water management; and mine-site remediation

and reclamation. Headquartered in Minneapolis, MN, Barr also has offices in Colorado, Minnesota, Michigan, Missouri, Nevada, North Dakota, Utah, Alberta, and Saskatchewan.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental

Main Office

4300 MarketPoint Dr, Ste 200
Minneapolis, MN 55435 United States of America
Phone: (952) 832-2600
www.barr.com

BBA USA Inc

Booth 438

BBA has been providing a wide range of consulting engineering services for over 40 years. Business strategy, engineering, environment and commissioning experts team up to quickly and accurately pinpoint the needs of industrial and institutional clients. Known for its innovative, sustainable and reliable solutions, the firm's expertise is recognized in the energy and natural resources industry. BBA has over 20 offices across Canada and abroad (Chile and the United States), offering clients local support and increased field presence.

Products & Services

Consulting - Engineering

Main Office

9980 South 300 West, Ste 200
Sandy, UT 84070 United States of America
Phone: (385) 313-6982
Email: marc.tardif@bba-consultants.com
www.bbaconsultants.com/

BCS

Booth 525

BCS manufactures acrylic polymers of varying molecular weight, monomers, and CTA packages. Our polymer chemistries are used in many dispersion, binder, soil stabilization, depressant, and water treatment applications. BCS is an EPA-registered facility for biocide formulation in the US. Additionally, BCS delivers value to our customers by providing tolling services, chemical repackaging, blending, custom & contract manufacturing, quality control, and logistical support.

Products & Services

Reagents - Chemical and Flocculants
Water Clarification and Treatment

Main Office

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Building 1462, Suite 150
Marietta, GA 30067 United States of America
Phone: (404) 350-8404
www.bcschem.com



Beck Engineering

Booth 331

Beck Engineering's main effort is Simulation Aided Engineering for difficult geotechnical environments. We focus on rock mechanics aspects of design for extractive industries, complex civil excavations, hydromechanical interactions and dynamic loading. • Our main tools are robust methodologies for handling uncertainty and sophisticated, large scale, 3D discontinuum models. • We work with you to manage and evolve your design from concept to implementation, by assisting you to quantify your uncertainty at each step and solve problems as they arise. • We help extractive industries with complex decision making, where hydro or geotechnical risks might affect the bottom line.

Products & Services

Consulting - Engineering

Main Office

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CHATSWOOD WEST (SYDNEY) 2067 Australia
Phone: 0448467485
www.beckengineering.com.au/

Becker Mining Systems

Booth 2114

Products & Services

Automation
Blasting Accessories, Equipment and Agents
Communications Equipment
Conveyor Belting - Accessories and Equipment
DC Power
Diesel Particulate Control Systems
Power Transmission Equipment
Pumps
Rail Systems and Supplies
Ventilation Systems, Materials and Equipment

Main Office

122 Dell Street, Unit A
Sudbury, ON P3C 2Y1 Canada
Phone: (705) 674-8111
www.becker-mining.com

BEIJING SCREEN TECHNOLOGY CO, LTD

Booth 201

BEIJING SCREEN TECHNOLOGY CO, LTD is the Beijing Office of Landsky Technology. Established in 1997 by experts from Tangshan Coal Mining Research Institute, Landsky Technology has become the leading manufacturer of fine screening equipment in China. With over 40 state-level technical patents, including 4 invention patents, Landsky has revolutionized the ferrous processing



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EXHIBITORS

industry with their Electro-magnetic high-frequency vibrating screens (MVS). Our products and services have reached numerous provinces in China and have been exported to several countries worldwide. Over 6,000 sets of their High Frequency Vibrating Screens have been installed globally.

Products & Services

Screens

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Beijing 100080 China
Phone: +86 10 82610633
Email: bjlandsky_xs@126.com
www.bj-screens.com/

Bekaert

Booth 923

Bekaert offers a comprehensive portfolio of high-performance solutions tailored for the mining industry, focusing on safety, cost-efficiency, and sustainability. Our offerings include Dramix® steel fibers reinforced concrete in mining tunnels, enhancing safety in tunneling, Fleximat® belt reinforcements for durable conveyors, and Bridon® ropes for reliable hoisting in open-pit and underground operations. The Bekipor® filtration solutions extend hydraulic system life by minimizing equipment wear and reduce maintenance costs. Bekaert's commitment extends beyond products to local technical support and custom solutions. With over 140 years of experience, Bekaert continues to drive mining efficiency while supporting environmental sustainability through advanced material technologies.

Products & Services

Concrete Reinforcement and Equipment
Conveyor Belting - Accessories and Equipment
Electric Wire and Cable
Filters, Filter Cloth and Accessories
Hoists - Controls and Accessories
Shotcrete Equipment, Supplies and Services
Steel Wire Ropes/Cables
Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

1395 S Marietta Pkwy, Bldg 500, Ste 120
Marietta, GA 30067 United States of America
Phone: (800) 241-4126
www.bekaert.com/en/product-catalog/content/mined-out

Belt Conveyor Guarding

Booth 807

Manufacturing of premium safety guarding for existing bulk material handling equipment is our business. For 30 years BCG helps companies all over North America to keep their workers safe by providing compliant, ergonomic and user-friendly guarding!

Products & Services

Coal Preparation Plants
Construction - Contracting Services
Conveyor Systems
Couplings - Mechanical, Flexible and Rigid
Crushers and Pulverizers
Drives - Belt, Chain, Fluid and Gear
Grinding Mills

Maintenance Equipment and Supplies

Pumps

Safety Equipment

Main Office

3478 Penetanguishene Rd
Barrie, ON L4M 4Y8 Canada
Phone: (866) 300-6668
Email: chris.allen@conveyorguarding.com
www.conveyorguarding.com

Benetech, Inc.

Booth 1025

Benetech, Inc. is a global leader in innovative bulk material handling solutions, specializing in conveyor components, dust suppression/collection, engineered transfer chutes, and washdown systems. Our solutions focus on reducing dust, preventing spillage, improving material flow, and ensuring compliance to optimize performance, reduce downtime, and help plants meet environmental standards.

Products & Services

Consulting - Engineering
Consulting - Environmental
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Dust and Fume Control Technology

Main Office

1851 Albright Road
Montgomery, IL 60538 United States of America
Phone: (800) 843-2625
Email: info@BenetechUSA.com
www.BenetechGlobal.com

Bettersize Inc.

Booth 1651

Bettersize Instruments is a leading manufacturer of analytical instruments. Our product range covers basic to advanced particle analysis instruments to provide precise analysis results of particle size, particle shape, zeta potential and powder characteristics helping scientists and engineers understand material properties and optimize research and production. With strict quality control and exceptional customer service, our instruments are trusted by over 17,000 businesses.

Products & Services

Analyzers
Laboratory and Scientific Services
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Quality Improvement

Main Office

Suit K-2, 3188 Airway Avenue
Costa Mesa, CA 92626 United States of America
Phone: (833) 699-7493
Email: info@bettersize.com
www.bettersizeinstruments.com

Betts Drilling

Booth 1563

Products & Services

Drilling Contractors

Main Office

91120 East Metro Parkway
Oxford, GA 30054 United States of America
Phone: (229) 561-3272
www.bettsenv.com



BEUMER Group

Booth 1945

Together with FAM Minerals & Mining, BEUMER Group is a leading global supplier for bulk materials, processing and conveying systems for open-cast mining, stockyards, and ports. A comprehensive and global customer support portfolio offering completes the portfolio. The entire BEUMER Group employs 5,400 people and achieves a turnover of 1 billion.

Products & Services

Blending Systems
Consulting - Design and Planning
Consulting - Engineering
Continuous Mining Machines
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Crushers and Pulverizers
Dewatering Equipment
Excavators
Transportation

Main Office

6430 S Fiddlers Green Cir, Ste 250
Greenwood village, CO 80111 United States of America
Phone: (816) 284-9230
www.beumergroup.com

BGC Engineering

Booth 1946

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Laboratory and Scientific Services
Remediation

Main Office

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BICO Inc

Booth 1622

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Phone: (818) 842-7170
www.bicoinc.com

Bison Engineering, Inc.

Booth 1659

Main Office

3143 E. Lyndale Ave.
Helena, MT 59601 United States of America
Phone: (406) 442-5768

**Blair Rubber Company**

Booth 324

Products & Services

Linings and Claddings
Rail Systems and Supplies

Main Office

5020 Enterprise Pkwy
Seville, OH 44273 United States of America
Phone: (330) 769-5583
www.blairrubber.com

Blue Coast Research

Booth 636

Blue Coast Research Ltd. (BCR) is a growing consultancy and metallurgical testwork laboratory located in Parksville, British Columbia. BCR is focused on providing high quality metallurgical testwork, data and interpretation to the global minerals industry.

Products & Services

Consulting - Research
Laboratory and Scientific Services

Main Office

1020 Herring Gull Way, Ste 2
Parksville, BC V9P1R2 Canada
Phone: (250) 586-0600
bluecoastresearch.ca/

Blue Star Steel

Booth 2150

Products & Services

Bins, Hoppers, Silos and Storage

Main Office

3692 West 500 South
Salt Lake City, UT 84104 United States of America
Phone: (801) 908-8302
www.bluestarsteel.com

**Boart Longyear**

Booth 1415

Established in 1890, Boart Longyear is the world's leading provider of drilling services, drilling equipment and performance tooling for mining and drilling companies. It also has a substantial presence in aftermarket parts and service, energy, mine de-watering, oil

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EXHIBITORS

sands exploration, production drilling, and down-hole instrumentation. The Global Drilling Services division operates for a diverse mining customer base spanning a wide range of commodities, including copper, gold, nickel, zinc, uranium, and other metals and minerals.

Products & Services

Dewatering Equipment
Drill Bits - Rock
Drilling Contractors
Drilling Equipment
Exploration Equipment and Services
Mining Contractors
Pumps

Main Office

2455 S 3600 W
West Valley City, UT 84119 United States of America
Phone: (775) 748 1929
www.boartlongyear.com



Bosch Rexroth - Häggglunds Drives

Booth 1246

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Products & Services

Controls - Hydraulic and Pneumatic
Conveyor Belting - Accessories and Equipment
Drives - Belt, Chain, Fluid and Gear
Hydraulic System Components
Maintenance Services
Power Transmission Equipment

Main Office

3940 Gantz Rd
Grove City, OH 43123 United States of America
Phone: (614) 305-4999
www.boschrexroth-us.com

Bradken

Booth 2039

From pit to port, we specialize in wear solutions and services for: Mill Liners, Ground Engaging Tools, Mining Buckets, Crawler Systems, Fixed Plant, Wear Pipe, Condition, Monitoring, Digital Solutions

Products & Services

Castings
Excavators
Feeders
Grinding Media and Liners
Grinding Mills
Grizzlies - Feeding, Moving and Stationary
Linings and Claddings

Maintenance Equipment and Supplies
Parts - Mining Machinery
Pipes

Main Office

2420 S. Power Rd. Ste 101, Building B, Mesa
Phoenix, AZ 85209 United States of America
Phone: (416) 975-8251
www.bradken.com

Bray Controls

Booth 1829

Bray International, Inc. pioneers cutting-edge flow control solutions for diverse applications. Our integrated valves, actuators, and accessories ensure peak uptime, safety, and efficiency globally. Renowned for advanced R&D, rigorous design validation, and extensive testing, Bray delivers optimal engineering solutions, consistent quality, and unmatched product reliability. Collaborative partnerships have shaped an evolving product portfolio, featuring isolation & control valves, actuators, positioners, switches, sensors, and accessories. With a presence in over 40 countries, our global networks provide unparalleled support across industrial and commercial markets.

Products & Services

Valves

Main Office

13333 Westland E Blvd
Houston, TX 77041 United States of America
Phone: (281) 894-5454
www.bray.com

BreatheSafe - AireSafe International

Booth 2118

BreatheSafe is a leading supplier of air purification equipment to clean the air in mobile mining equipment, control rooms and electronic cabinets. We protect the operator from harmful dust exposure and also improves the reliability of HVAC systems and electronic cabinets in Heavy Mining Equipment.

Products & Services

Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Filters, Filter Cloth and Accessories
HealthCare
Maintenance Equipment and Supplies
Safety Equipment

Main Office

122 S River St
Janesville, WI 53548 United States of America
Phone: (520) 903-7672
www.Breathe-Safe.com

Brenntag

Booth 1458

Brenntag has helped mining customers improve profitability and meet strict environmental laws with a variety of chemical product solutions. From Mine to Market (Mine, Mineral Processing, Refinery & Water Treatment) to the DEF used in your equipment, Brenntag has the experience and the answers.

Products & Services

Reagents - Chemical and Flocculants
Water Clarification and Treatment

Main Office

5083 Pottsville Pike
Reading, PA 19605 United States of America
Phone: (248) 760-7912
Email: asmith@brenntag.com
www.brenntag.com

Bridgestone Americas Tire Operations

Booth 517

Bridgestone Americas, Inc. is the U.S. subsidiary of Bridgestone Corporation, a global leader in tires and rubber which is building on its expertise to provide solutions for safe and sustainable mobility. Headquartered in Nashville, Tennessee, Bridgestone Americas has approximately 50 production facilities including 5 Research & Development (R&D) Centers. Bridgestone Americas has 50,000 employees including manufacturing and sales subsidiaries located in Canada, Argentina, Brazil, Chile, Colombia, Costa Rica, and Mexico, with additional offices throughout Latin America, the Caribbean and Liberia.

Products & Services

Consulting - Engineering
Grouting Services, Equipment and Materials
Information Technology Products
Maintenance Equipment and Supplies
Maintenance Services
Measurement and Monitoring Systems
Mine Evaluations - Surface and Underground
Transportation
Underground Excavation Services and Equipment

Main Office

200 4th Ave S
Nashville, TN 37201 United States of America
Phone: (615) 937-1000
www.bridgestoneamericas.com



Brookville Equipment Corp

Booth 1545

Brookville Equipment Corporation is the leading manufacturer of specialized vehicles used in underground mining and tunneling construction for transporting materials and personnel. Producing rail-mounted and rubber-tired vehicles, each designed to meet the demanding specifications of a customer's unique application. BROOKVILLE units come in battery, diesel, or overhead wire. BROOKVILLE's underground equipment is currently being used worldwide in the mining of coal, hard rock, precious metals, as well as tunnel construction projects. Committed to leading the mining industry, BROOKVILLE manufactures innovative, cost effective, productive, reliable, and safe solutions to transporting materials and personnel. Visit our website for information.



Products & Services

Diesel Mining Equipment Manufacturers
Maintenance Equipment and Supplies
Maintenance Services
Parts - Mining Machinery
Transportation
Trucks and Haulage Units
Underground Excavation Services and Equipment

Main Office

175 Evans St
Brookville, PA 15825 United States of America
Phone: (814) 849-2000
Email: info@brookvillecorp.com
www.brookvillecorp.com

Bruker**Booth 510**

Bruker is dedicated to supporting the scientists and engineers who investigate our natural world and deliver the raw materials that fuel economies. We take a solutions-first approach to matching scientific problems in the geosciences, mining, and oil and gas to analytical solutions. Bruker is your whole-workflow solution partner producing tools to investigate rocks, minerals, and materials from the nanometer to the planetary scale. We provide timely global support and actively partner in building inclusive communities supporting cross-disciplinary scientific discovery.

Products & Services

Analyzers

Main Office

5465 E Cheryl Pkwy
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Phone: (608) 276-3000
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Products & Services

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Clutches - Fluid, Friction and Magnetic
Couplings - Mechanical, Flexible and Rigid
Parts - Mining Machinery
Power Transmission Equipment
Tunnel Boring Equipment

Main Office

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Phone: (940) 723-7800
www.brunelcorp.com

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Products & Services

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Gravity Separators
Magnetic Separators
Separators and Concentrators

Main Office

500 S Spencer Rd
Newton, KS 67114 United States of America
Phone: (316) 284-2020
Email: sales@buntingmagnetics.com
buntingmagnetics.com

Burns & McDonnell Engineering Company, Inc**Booth 431**

Burns & McDonnell is a full-service engineering, architecture, construction, environmental and consulting firm. Our over 10,000 employee-owners are comprised of engineers, architects, construction experts, planners, estimators, technicians and scientists. We plan, design, permit, construct and manage facilities all over the world, with one mission in mind: Make our clients successful.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Financial Services
Consulting - Management

Main Office

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www.cabproducts.com

Byrnegut Group

Booth 737

The Byrnegut Group has grown over the past 34 years to provide diverse services to the mining industry and beyond. Starting as an underground mining contractor, the group has taken its cues from the changing requirements of the industry to expand to offer specialized and tailored solutions to its clients. The Byrnegut Group includes: Byrnegut - Underground Contract Mining; Jetcrete - Shotcrete Specialists; Raising Australia - Raise Drilling; Mining Plus - Consultancy; Quattro - Project Engineering; Murray Engineering - Electrical & Mechanical Engineering; FUZE - Composite Solutions; BOAB - Indigenous Training; Sano Health - Health & Injury Prevention

Products & Services

Construction - Contracting Services
Mine Operators
Shotcrete Equipment, Supplies and Services
Underground - Construction and Structures

Main Office

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Products & Services

Coal Preparation Plants
Electrical Equipment and Supplies
Longwall Mining Equipment
Maintenance Equipment and Supplies
Roof - Ground Supports
Safety Equipment
Tunnel Boring Equipment
Tunnel Lining and Support Materials
Underground - Construction and Structures
Ventilation Systems, Materials and Equipment

Main Office

211 Central Ave
Johnstown, PA 15902 United States of America
Phone: (814) 536-3531
www.cabproducts.com

CAID Industries

Booth 426

Main Office

2275 E Ganley Rd
Tucson, AZ 85706 United States of America
Phone: (520) 309-5101
www.caid.com

Call & Nicholas Inc. - Call & Nicholas Instruments

Booth 1813

Call & Nicholas Inc., an internationally recognized geotechnical engineering consulting firm, has been providing a wide range of engineering services to the mining industry since 1980. Today, a full staff of dedicated geotechnical engineers, engineering geologists and technicians with experience in both open-pit and underground mining, provide expertise in all aspects of a comprehensive ground control program. The Instrument division of CNI, are instruments designed, developed and marketed by CNI to assist mines in monitoring real-time ground control. SlideMinder has been in service since 2003 and have had many improvements. A full service rock mechanics lab is available as well.

Products & Services

Aerial Mapping and Surveying
Consulting - Design and Planning
Consulting - Engineering
Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Measurement and Monitoring Systems

Main Office

2475 N Coyote Dr
Tucson, AZ 85745 United States of America
Phone: (520) 670-9774
www.cnitucson.com

Canadian Institute of Mining, Metallurgy & Petroleum (CIM)

Booth 1214

The Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is the leading not-for-profit technical society of professionals in the Canadian minerals, metals, materials and energy industries.

Products & Services

Educational
Professional Society or Association
Publishers

Main Office

3500 de Maisonneuve W, Ste 1040
Montreal, QC H3Z 3C1 Canada
Phone: (514) 939-2710
www.cim.org

Canadian Mining Journal

Booth 1424

Magazine, website and Daily News that covers Canadian mining and mineral processing.

Products & Services

Publishers

Main Office

69 Yonge St, Ste 200
Toronto, ON M5E1K3 Canada
Phone: (416) 510-6891
www.canadianminingjournal.com

Canary Systems, Inc

Booth 1744

The team of experts at Canary Systems has been providing integrated geomonitoring solutions as the industry leader for over 25 years. Applications include a mining applications from tailings monitoring to surface mining, heap leach, underground, operations, closure, and post-closure monitoring. Canary Systems helps clients improve risk management, monitor performance, and increase safety measures of operations by providing customized total solutions including the hardware and software for automated data acquisition. MLWeb provides a means to collect, process, store, visualize, and communicate data information from a wide range of sources in a single powerful but efficient platform.

Products & Services

Computer - Software and Services
Consulting - Engineering
Geological-Physical-Technical Services and Equip
Information Technology Products
Measurement and Monitoring Systems
Meters and Gauges
Sensors

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CANTY

Booth 2138

Canty manufactures vision-based process control equipment for the mining industry. Our camera-based systems and machine vision software can be applied to various mining applications including froth control, chute plug detection, and kiln monitoring. Particle size and shape analysis for dry solids from a crusher or ball mill as well as liquid slurry analysis in a hydrocyclone, clarifier, or thickener. Real time view and analysis of the process is provided. Additionally, the 2D particle size measurements can be correlated to sieve analysis and provide particle shape analysis sieves cannot provide. Canty has locations in Buffalo NY, Dublin, Ireland & Thailand.

Products & Services

Analizers
Centrifuges
Filters, Filter Cloth and Accessories
Flotation Machines and Equipment
Furnaces - Industrial Process
Kilns
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Quality Improvement
Water Clarification and Treatment

Main Office

6100 Donner Rd
Buffalo, NY 14094 United States of America
Phone: (716) 625-4227

Email: sales@jmcanty.com
www.jmcanty.com

Carlson Software

Booth 1015

Carlson Software, established in 1983, is a privately owned technology and software solutions provider with the a focus on user-led features and in-the-field functionality. Combining best-in-class products with award-winning support for its products worldwide, Carlson offers CAD software solutions for mining, machine control, and precision laser measurement systems. Carlson Mining CAD software features Underground, Surface, and Geology modules. Carlson Machine Control provides on-machine, GPS guidance for operators as well as Carlson Command for fleet management and supervisor project planning. The Laser Measurement Devices (Carlson LMD) offers a line of precision measurement systems like the all-new Boretrak®2, C-ALS®, FIX1, and more.

Products & Services

Aerial Mapping and Surveying
Blasting Accessories, Equipment and Agents
Boring Equipment
Computer - Software and Services
Drilling Equipment
Exploration Equipment and Services
Measurement and Monitoring Systems
Quality Improvement
Reclamation Equipment and Services
Surveying Equipment and Supplies

Main Office

33 E Second St
Maysville, KY 41056 United States of America
Phone: (606) 564-5028
www.carlsonsw.com



Carrier Process Equipment Group (CPEG)

Booth 2008

Products & Services

Blending Systems
Conveyor Systems
Coolers
Dewatering Equipment
Dryers
Feeders
Furnaces - Industrial Process
Grizzlies - Feeding, Moving and Stationary
Kilns
Screens

Main Office

3400 Fern Valley Rd
Louisville, KY 40213 United States of America
Phone: (502) 969-3171
www.carriervibrating.com

Carroll Technologies Group

Booth 1332

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Products & Services

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Drives - Magnetic and Variable
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Feeder Breakers
Hoists - Controls and Accessories
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Pumps
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Steel Wire Ropes/Cables
Ventilation Systems, Materials and Equipment

Main Office

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Products & Services

Drilling Contractors

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Peoria, AZ 85345 United States of America
Phone: (623) 935-0124
www.cascade-env.com

Caterpillar**Booth 1016**

Caterpillar Mining is dedicated to meeting our customers' needs with customized solutions. We are evolving to address their challenges with the right products, services, and technology. Together with our dealers, we have one goal: help mining customers get the most from their machines and mine sites. Together, We're Mining Better.

Products & Services

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Autonomous Vehicles

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Drilling Equipment
Excavators
Loaders
Parts - Mining Machinery
Rail Systems and Supplies
Trucks and Haulage Units
Underground Excavation Services and Equipment

Main Office

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Tucson, AZ 85745 United States of America
Phone: (309) 675-1000
www.cat.com/mining

CCC Group, Inc**Booth 1851**

CCC Group offers a combination of industrial construction capabilities to a spectrum of industries. Services include construction, fabrication, electrical and maintenance with expertise in civil, concrete, structural, mechanical, process piping and E&I disciplines. Our clients are leaders in heavy industrial processes, alternative fuels, general manufacturing, marine, metals, minerals processing, mining equipment, oil and gas, power, alternative energy, fertilizer and petrochemical.

Products & Services

Construction - Contracting Services
Draglines
Maintenance Services

Main Office

5797 Dietrich Rd
San Antonio, TX 78219 United States of America
Phone: (210) 661-4251
Email: DanielG@cccgroupinc.com
www.cccgroupinc.com

Cementation USA Inc**Booth 422****Products & Services**

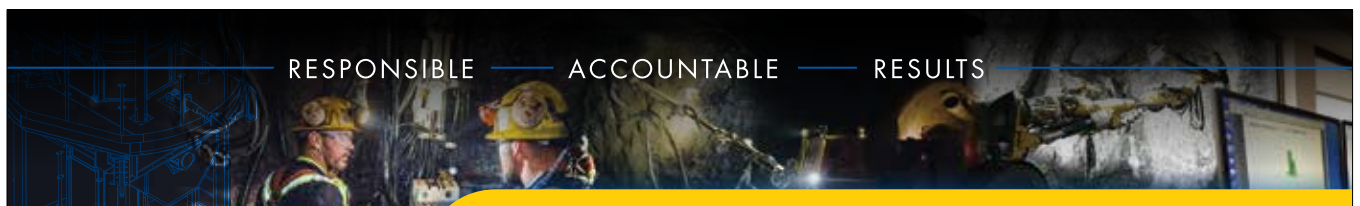
Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Mining Contractors
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

10150 S Centennial Pkwy, Ste 400
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CETCO**Booth 1511**

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EXHIBITORS

mers into technologies that improve productivity and performance. From technical problem-solving to on-site supervision, CETCO consults with customers to develop long-term solutions.

Products & Services

Linings and Claddings
Remediation
Tunnel Lining and Support Materials

Main Office

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Hoffman Estates, IL 60192 United States of America
Phone: (940) 435-1321
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ChemGrout, Inc

Booth 1341

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Products & Services

Grouting Services, Equipment and Materials
Pumps
Remediation

Main Office

805 E 31st St
LaGrange Park, IL 60526 United States of America
Phone: (708) 354-7112
Email: cginfo@chemgrout.com
www.chemgrout.com

Chevron Phillips Chemical

Booth 1114

Chevron Phillips Chemical - Mining Chemicals division provides a complete range of Orfom® solvent extraction diluents, Orfom® collectors for copper-molybdenum-gold/silver sulfide mineral flotation, Orfom® D8 depressant as a complete replacement for NaSH in copper-molybdenum separation, and Philflo® flotation oils for fertilizer minerals.

Products & Services

Reagents - Chemical and Flocculants
Solvents - Extraction, Mixer and Settlers

Main Office

10001 Six Pines Dr
The Woodlands, TX 77380 United States of America
Phone: (800) 858-4327
www.cpchem.com

Cidra Minerals Processing Inc

Booth 1432

For over 20 years, Cidra Minerals Processing has been creating reliable and innovative technologies designed to address the most difficult challenges in the mining industry. Cidra's CYCLONEtrac™ Particle Size Tracking System and SONARtrac® Flow Monitoring Systems provide customers the ability to convert data into actionable information. The CYCLONEtrac™ PST System provides real-time particle size measurement of individual hydrocyclones. The SONARtrac® technology is an industry standard for flow and entrained air measurements. Cidra has become a strategic partner for major mining companies around the world with installations in more than 700 sites in 58 countries.

Products & Services

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Grinding Mills
Measurement and Monitoring Systems
Meters and Gauges
Mineral Prospecting
Process Controls and Instruments
Sensors

Main Office

50 Barnes Park N
Wallingford, CT 06492 United States of America
Phone: (203) 265-0035
www.cidra.com

Civil & Environmental Consultants, Inc (CEC)

Booth 841

CEC provides innovative design solutions and integrated expertise to all sectors of the mining industry. We strategically focus on the industry's business drivers and challenges, offering solutions related to air quality, civil engineering, ecological sciences, environmental engineering and sciences, manufacturing infrastructure services, survey/geospatial, waste management, and water resources needs. With deep bench strength to tackle tough problems, CEC has successfully completed projects for the mining industry ranging from the design and permitting of coal refuse disposal areas, to water treatment projects, to large-scale post-mining land-use changes, to ecological resource impact assessments, and to mine reclamation/closure.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Consulting - Research
Emissions Control
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control

Main Office

700 Cherrington Pkwy
Moon Township, PA 15108 United States of America
Phone: (800) 365-2324
Email: info@cecinc.com
www.cecinc.com/mining

Clariant Corporation

Booth 1644

Clariant Mining Solutions is a trusted provider of specialty chemicals to improve the sustainability and metallurgical performance of mines with our flotation collectors, frothers, and depressants. Our global network of local application and development centers coupled with our rapid response to customer requirements allow us to deliver customized high performing products. We have programs and products dedicated to improving sustainability: Tailings Management Program, lower toxicity replacements for xanthates and NaSH, advanced pelletizing technology to reduce energy consumption, and our Decarbonization Minerals Program, which focuses on reagents to process the main decarbonization minerals, including lithium, nickel, cobalt, rare earths, etc.

Products & Services

Reagents - Chemical and Flocculants

Main Office

2730 Technology Forest Blvd
The Woodlands, TX 77381 United States of America
www.clariant.com/mining

ClearStream Environmental

Booth 2230

Main Office

9090 S 300 W
Sandy, UT 84070 United States of America
Phone: (801) 676-1890
www.clearstreameng.com

COGEP Maintenance Software

Booth 1028

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Products & Services

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Information Technology Products
Maintenance Equipment and Supplies
Maintenance Services
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EXHIBITORS

Colorado Division of Reclamation, Mining and Safety

Booth 204

Products & Services

Government Agency - Entity

Main Office

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Denver, CO 80203 United States of America
Phone: (303) 866-3567
www.drms.colorado.gov

Colorado School of Mines - Department of Mining Engineering

Booth 523

Ranked as the #1 mineral & mining school in the world since 2016 by the QS World University Rankings, the Mining Engineering Department at Colorado School of Mines has distinguished itself by developing curriculum and research programs geared toward responsible stewardship of the earth and its resources. Through collaborations with other Mines departments, academic institutions, government agencies, and industry, we are committed to expanding the international reputation of the department for excellence in education, research, industry service, and community outreach.

Products & Services

Consulting - Engineering
Consulting - Research
Educational

Main Office

1610 Illinois St, Brown Bldg 239
Golden, CO 80401 United States of America
Phone: (303) 273-3700
www.mining.mines.edu/

Colorado State Land Board

Booth 551

The Colorado State Land Board has four million acres of mineral estate and 2.8 million acres of working land available for lease. We lease for stone, sand, gravel, limestone, and clay; coal; base metals; precious metals; gemstones; and decorative rock. In addition, our lands have documented potential for rare earths such as lithium, perlite, and more. Meet our Ben Teschner, Solid Minerals Leasing Manager, to discuss leasing opportunities. Rent proceeds flow to Colorado public schools.

Products & Services

Government Agency - Entity
Mineral Prospecting

Main Office

1127 Sherman St, Ste 300
Denver, CO 80203 United States of America
Phone: (303) 866-3454
www.slb.colorado.gov

Concrete Canvas US

Booth 1749

Main Office

1350 Nasa Rd 1, Ste 120
Houston, TX 77058 United States of America
Phone: (832) 864-2946
www.concretecanvas.com/us

ConeTec Inc

Booth 614

ConeTec is an international full-service geotechnical, mining and geoenvironmental site investigation contractor. ConeTec offers clients superior project management and site investigation services across the globe, with a large presence in North and South America. ConeTec provides in-depth CPT testing, drilling, in-situ testing, geophysics, instrumentation and final data reporting and analysis services. All field investigations are performed by specially trained personnel and supported by experienced site investigation professionals to provide the highest quality site investigation. This is the ConeTec difference— Better Information, Better Decisions.

Products & Services

Consulting - Environmental
Drilling Contractors
Geological-Physical-Technical Services and Equip
Measurement and Monitoring Systems
Remediation

Main Office

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Phone: (801) 973-3801
www.conetec.com

Conifer Systems

Booth 305

Conifer Systems provides innovative emissions control systems that enable companies to meet regulatory emissions standards, maximize uptime and minimize cost. Through reliable environmental solutions, our commitment to clean energy and creating industrial efficiencies, we strive to be the partner you can rely on for years to come. Our standardized solutions enable us to provide high quality, reliable systems with shorter project timelines and lower costs. Conifer Systems delivers solutions that meet your emissions control needs while prioritizing your business objectives and environmental and compliance obligations. Our technical expertise has been honed supplying systems to various industries for nearly two decades.

Products & Services

Emissions Control
Environmental Control Equipment and Supplies
Pollution Control Equipment
Ventilation Systems, Materials and Equipment

Main Office

6515 Willowbrook Park
Houston, TX 77066 United States of America
Phone: (832) 476-9024
www.conifersystems.com

Contech Engineered Solutions

Booth 825

Contech® Engineered Solutions LLC is a leading civil engineering site solutions products and services company. Contech is the only company that can provide bridge, drainage, erosion control, retaining wall, sanitary, soil stabilization, and stormwater solutions on a national scale. Our product offering includes corrugated metal and plastic pipe; steel truss, metal plate and concrete arch bridges and structures; hard armor, geogrid, geotextiles, block and retaining wall systems; and stormwater detention/retention, filtration and treatment systems. Our product portfolio is based on more than a century of research and practical field experience serving the highway, drainage, sewage and site-improvement markets.

Products & Services

Consulting - Engineering
Pipes
Steel Pipe
Tunnel Lining and Support Materials
Underground - Construction and Structures
Water Clarification and Treatment

Main Office

9100 Centre Pointe Dr, Ste 400
West Chester, OH 45069 United States of America
Phone: (800) 338-1122
www.conteches.com



Continental

Booth 817

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2023, Continental generated sales of €41.4 billion and currently employs around 200,000 people in 56 countries and markets.

Products & Services

Belts - Power Transmission
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Drives - Belt, Chain, Fluid and Gear
Hoses - Valves and Fittings
Hydraulic System Components
Measurement and Monitoring Systems

Main Office

703 S Cleveland-Massillon Rd
Fairlawn, OH 44333 United States of America
Phone: (330) 664-7000
www.continental-industry.com

ControlChem Canada Ltd

Booth 451

ControlChem is a trusted partner in water treatment and mineral processing since 1989. As chemical applications experts our focus is on finding innovative



ways to help our clients improve process efficiencies and reduce operating costs. Our expertise includes Scale prevention, Foam control, Dust control, Thickener performance, Tailings & concentrate dewatering, Lime treatment, Water clarification and more. Let us help you with whatever water challenges your operation may be facing, so you can focus on mineral processing.

Products & Services

Water Clarification and Treatment

Main Office

4460 Harvester Rd
Burlington, ON L7L 4X2 Canada
Phone: (866) 882-2436
Email: info@controlchem.com
www.controlchem.com

Coolon USA, Inc

Booth 2223

A global company, Coolon USA, is redefining the notion of the heavy-duty industrial lighting space with high-tech, brilliant, connected luminaires utilizing the Bitcortex network and creating a robust network regardless of the site's size or complexity, even in hard-to-reach areas with no radio or Wi-Fi coverage. Where propagation, coverage, or wiring issues become irrelevant as data moves quickly and efficiently from light to light. Creating a digital backbone allows it to deploy hundreds of compatible IoT technologies effortlessly, such as environmental monitoring, autonomous auditing, asset tracking, or access control, depending on your needs.

Products & Services

Controls - Electrical and Electronic
Conveyor Systems
Diesel Equipment Lighting Systems
Electrical Equipment and Supplies
Information Technology Products
Lighting Systems and Lamps
Rail Systems and Supplies
Refinery Equipment
Safety Equipment
Sensors

Main Office

410 Main St Suite 2
Racine, WI 53403 United States of America
Phone: (262) 977-6566
Email: insidesales@coolonusa.com
www.coolonusa.com

Copper State Bolt & Nut Co

Booth 1808

Mining is at our core! Our Manufacturing Division was specifically established to support mining and heavy industrial customers with capabilities to produce large diameter and specialty products. Our newest innovative Load Monitoring Fastener+ is a wireless, accurate, and real-time load monitoring fastener system made for mining, heavy industrial and wind industries. Automated alerts will notify you if tension deviates from desired values. Our distribution, manufacturing, and VMI service operations ensure continuous uptime and support of your critical care equipment. We proudly offer fasteners, construction/industrial supplies, safety products, cutting tools & abrasives, kits & assortments, and fluid sealing products.

Products & Services

Fasteners - Industrial
Grinding Media and Liners
Grinding Mills
Hoses - Valves and Fittings
Linings and Claddings
Maintenance Equipment and Supplies
Parts - Mining Machinery
Safety Equipment
Training Services

Main Office

3637 N 34th Ave
Phoenix, AZ 85017 United States of America
Phone: (602) 352-4815
Email: websales@copperstate.com
www.copperstate.com

Cornell Pump Co

Booth 1706

Engineered to be durable, dependable, and efficient, Cornell pumps are found hard-at-work in the mining and aggregates industries handling water intake, mine dewatering, washing & screening, sumps, cyclone feed, mill circuits, and tailings transfer applications. MP, SM, and SP series pumps cover the complete range of slurries. MX series produce heads up to 850ft. Cycloseal® provides long seal-life without flush water—saving up to \$50,000 per pump annually. The Cornell Co-Pilot® allows remote monitoring of vibration, temperature, location, engine rpm, flow, remote operation, and pressure.

Products & Services

Continuous Mining Machines
Dewatering Equipment
Pumps

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Phone: (503) 653-0330
www.cornellpump.com

Costmine

Booth 1518

Costmine Intelligence provides up-to-date mine cost estimating tools for feasibility studies, exploration decisions and economic analysis. Mining Cost Service and Mine & Mill Equipment Costs Guide have been a trusted source for cost estimating data for over 40 years. Our Sherpa software suite of engineering-based cost estimating tools can help you to quickly and accurately determine capital and operating costs. Our Mining Intelligence database offers detailed global information on 18K+ mining companies, 41K+ mining and exploration properties and over 23 million documents. Costmine Intelligence is a valuable resource for investors, geologists, engineers, financiers, teachers, consultants and suppliers.

Products & Services

Computer - Software and Services
Consulting - Engineering
Educational
Geological-Physical-Technical Services and Equip
Information Technology Products
Mine Evaluations - Surface and Underground
Publishers
Reclamation Equipment and Services

Main Office

100 N Mullan Rd, Ste 102
Spokane Valley, WA 99206 United States of America
Phone: (509) 328-8023
Email: info@costmine.com
www.costmine.com

Cove Environmental

Booth 107

Cove Environmental specializes in Whole Effluent Toxicity (WET) testing as well as Toxicity Identification and Reduction Evaluation (TIE/TRE) studies for clients in a wide range of industries across the country. We maintain a certified laboratory within the guidelines set forth by the National Laboratory Environmental Accreditation Conference (NELAC). We are also capable of advanced analytical techniques for emerging & legacy chemicals of concern such as: Poly- and Perfluoroalkyl Substance (PFAS) testing, Micro- and Nanoplastic (MNP), Trace Metals and Pesticides. We test a wide range of matrices including aqueous, soil/sediment, biological and food & beverage.

Products & Services

Consulting - Environmental
Laboratory and Scientific Services
Water Clarification and Treatment

Main Office

3400 W Lakeview Rd
Stillwater, OK 74075 United States of America
Phone: (405) 372-2122
Email: info@covesciences.com
www.covesciences.com

Cowin & Company/Raisebor

Booth 2045

Mining Construction and Engineering services. Raise boring projects. Owner of the largest raisedrill and fleet in the USA

Products & Services

Construction - Contracting Services
Drilling Contractors
Mining Contractors
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

PO Box 19009
Birmingham, AL 35219 United States of America
Phone: (205) 945-1300
www.cowin-co.com

Coyne Chemical

Booth 223

Celebrating our 155th Anniversary! Making us the oldest continuously family-owned chemical distributor in the USA since 1868. Connect with Coyne for your chemical needs. Tailings - floatation - pH Control - Water & Wastewater Treatment. We hope you join the list of faithful customers that rely on our record of integrity and Safety.

Products & Services

Reagents - Chemical and Flocculants
Remediation
Solvents - Extraction, Mixer and Settlers
Water Clarification and Treatment

EXHIBITORS

Main Office

3015 State Rd
Croydon, PA 19021 United States of America
Phone: (215) 785-3000
www.CoyneChemical.com

CQA Solutions, Ltd

Booth 2100

CQA Solutions, Ltd. (CQAS) is a unique niche market firm, which has become internationally recognized as Subject Matter Experts (SME) in Quality Environmental Containment System Construction. Our project leadership maximizes Return-on-Investment for our clients by ensuring all aspects of a project (design thru operational maintenance) are optimized for the rigors of field construction and operations. Containment Systems are corporate assets that cannot easily be replaced. Before you invest millions of dollars in a project, know that it will be done right the first time. From design through installation and maintenance, CQA Solutions helps ensure containment systems are built to last.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Training Services

Main Office

315 Matzinger Rd., Ste A1
Toledo, OH 43612 United States of America
Phone: (419) 269-1800
Email: James@CQASolutions.com
www.cqasolutions.com

Crimar Industrial

Booth 304

Since 1988, having evolved from TriAm Industries, headquartered in Tucson, Arizona, Crimar Industrial has proudly served global industrial customers by supplying top-quality equipment, replacement components, and all-encompassing on-site support for over 35 years. With manufacturing facilities in the United States, Mexico, and China, allowing us to cater to a diverse range of industries worldwide. Our China-based offices (Shijiazhuang Beman Commercial Co. Ltd. www.sbcco-china.com) have collaborated with our suppliers for over 15 years, ensuring that they comprehend and fulfill our customers' requirements. In 2023, we established an FRP (Fiber-Reinforced Polymer) factory in Hermosillo.

Products & Services

Agitators, Vibrators and Mixers
Castings
Crushers and Pulverizers
Flotation Machines and Equipment
Parts - Mining Machinery
Pipes
Pollution Control Equipment
Scrubbers
Steel Pipe
Water Clarification and Treatment

Main Office

7480 E Rio Verde Dr
Tucson, AZ 85715 United States of America
Phone: (520) 649 9007
Email: zishzhao@sbcco-china.com
www.crimar.com

Custom Linings, Inc

Booth 501

Custom Linings Industrial Solutions uses a high-pressure, heated spray system to deliver the most durable corrosion, chemical-resistant, abrasion coating available for use on earthen substrates, steel, concrete & wood. Unlike materials like shotcrete, our liner can flex and move with rock creep, holding the state in place.

Products & Services

Coatings (does not include Linings and Claddings)
Linings and Claddings
Maintenance Services
Mining Contractors
Pipes
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control
Shotcrete Equipment, Supplies and Services
Tunnel Lining and Support Materials

Main Office

1960 Victor Pl
Colorado Springs, CO 80915 United States of America
Phone: (719) 374-8785
www.customlinings.com

Dassault Systèmes

Booth 2146

Products & Services

Mine Evaluations - Surface and Underground
Mine Operators
Mineral Prospecting
Mining Contractors

Main Office

Suite 1410, 1066 West Hastings Street
Vancouver, BC V6E 3X1 Canada
www.3ds.com/products/geovia

Datamine Software

Booth 1823

For over 40 years Datamine has worked in partnership with the mining industry to provide an unrivalled range of software solutions across the mining value chain. Our customers are in over 100 countries, and they are serviced from our local offices in over 20 countries. Understanding our customer needs has enabled the successful delivery of solutions and services to every corner of the globe. Datamine delivers business value through integrated software solutions, supporting continuous improvement, maintaining data fidelity and improving data integrity across the entire mining value chain.

Products & Services

Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Exploration Equipment and Services
Geological-Physical-Technical Services and Equip
Information Technology Products
Laboratory and Scientific Services
Laboratory Equipment and Supplies
Training Services

Main Office

7900 E Union Ave, Ste 1007
Denver, CO 80237 United States of America
Phone: (303) 985-7713
www.dataminesoftware.com

DEA Incorporated

Booth 1357

Founded in 1984 along the Continental Divide in the mountains of Colorado, DEA Incorporated has decades of experience providing electrical solutions for harsh mining and heavy industry. DEA Incorporated manufactures a complete line of custom designed/assembled electrical equipment, control panels (UL508A), PLC/HMI programming, electrical-mechanical assembly, and on-site/remote support services. We are experts in mine power distribution and leaders in Arc Flash Mitigation technology integration. We are a Veteran-Owned Small Business that is registered for Government Contracting. We proudly build our products Rugged Tough in the beautiful Spokane Valley, Washington USA.

Products & Services

Controls - Electrical and Electronic
Conveyor Belting - Accessories and Equipment
Dewatering Equipment
Electrical Equipment and Supplies
Maintenance Services
Power Transmission Equipment
Process Controls and Instruments

Main Office

16208 E Lacrosse Ln
Spokane Valley, WA 99216 United States of America
Phone: (509) 214-1498
Email: quote@deainc.net
www.deainc.net

Deister Concentrator

Booth 1858

One of the leading manufactures of mining and mineral separation equipment since 1906.

Products & Services

Agitators, Vibrators and Mixers
Classifiers
Dewatering Equipment
Laboratory Equipment and Supplies
Separators and Concentrators

Main Office

3210 Freeman Street
Fort Wayne, IN 46802 United States of America
Phone: (260) 747-2700
Email: sales@deisterconcentrator.com
www.deisterconcentrator.com

Derrick Corporation

Booth 1116

Derrick has pioneered the development of wet and dry fine screening solutions to serve diverse industries throughout the world for more than 70 years. Derrick offers its clients leading-edge solutions to maximize separation efficiency. Using this patented equipment and innovative screen surface technology, offers unmatched performance – increased product recovery and reduced power consumption. Derrick equipment symbolizes rugged reliability, and remains committed to providing the latest technological enhancements that



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Visit us at **Booth #1223** to learn more.

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EXHIBITORS

evolve alongside industry best practices and market developments. Derrick's latest patented products – the SuperStack® 8-Deck fine wet screening machine, and G-Vault® urethane interstage screen coupled Trilogy™ Surface Technology.

Products & Services

Centrifuges
Classifiers
Cyanide Process Equipment
Dewatering Equipment
Screens
Separators and Concentrators
Underground - Construction and Structures

Main Office

590 Duke Rd
Buffalo, NY 14225 United States of America
Phone: (716) 683-9010
Email: info@derrick.com
www.derrick.com

Deswik

Booth 1814

Deswik is a global mining technology leader that delivers efficiency focused solutions and industrial mathematics to all sectors of the mining industry. Our team of experienced mining professionals, software developers and mathematicians work side-by-side to provide tailored solutions that deliver measurable value for our customers across the mine planning value chain.

Products & Services

Computer - Software and Services
Consulting - Engineering

Main Office

1660 Lincoln St, Ste 2610
Denver, CO 80264 United States of America
Phone: (720) 344-4920
www.deswik.com

DeWind One Pass Trenching LLC

Booth 2102

DeWind builds the largest & most powerful One-Pass Trenchers in the World. The fleet of trenchers are operated all across the US, Canada, and Mexico. All systems are installed under the water-table, no open excavation.

Installations include: • Cutoff Walls up to 160' deep • Groundwater & Product Recovery Systems up to 60' deep • Sock Tile Dewatering • PRB & Other Backfill Systems to 60' deep • Soil Stabilization • HDPE Pipe 4" to 24" diameter • Much more!

Products & Services

Construction - Contracting Services
Dewatering Equipment
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control
Underground - Construction and Structures

Main Office

9150 96th Ave
Zeeland, MI 49464 United States of America
Phone: (616) 875-7580
www.dewindonepass.com



Diemme Filtration

Diemme Filtration SRL

Booth 400

In the solid-liquid separation segment Diemme Filtration has succeeded in conquering a notable portion of the market thanks to its skill in extreme customization of plants, designed to specific customers needs. With our brand Diemme® Filtration we are one of the leading specialists in solid/liquid separation for industrial processes and offer the widest range of filter presses and thickeners currently available in the global market.

Products & Services

Dewatering Equipment
Environmental Control Equipment and Supplies
Filters, Filter Cloth and Accessories
Pumps
Remediation
Thickeners
Water Clarification and Treatment

Main Office

Via Gessi 16
Lugo 48022 Italy
Phone: +39 054520611
www.diemmefiltration.com

Disa Technologies, Inc

Booth 503

Disa is an innovative materials liberation company providing solutions that optimize the world's use of resources and radically disrupt best practices in the mining and reclamation industries. Disa utilizes patented liberation technology and other equipment to isolate targeted materials in order to deliver efficiencies, reduce costs, and mitigate environmental impacts to its users. Disa platforms isolate a vast array of geologic material ranging from precious and industrial metals, to hydrocarbons and abandoned uranium mine material.

Products & Services

Grinding Mills
Laboratory and Scientific Services

Main Office

1010 Falcon Ave
Mills, WY 82644 United States of America
Phone: (307) 871-7291
Email: info@disausa.com
www.disausa.com

Dodge Industrial, Inc

Booth 836

Dodge, an RBC Bearings company, designs, manufactures, and supplies reliable mechanical power transmission products and solutions for a wide range of industries and markets across the globe. The industry and application experts at Dodge examine complete systems and provide solutions and services that improve operations and increase safety and efficiency for all stakeholders. Dodge has continuously built upon its reputation of leadership, innovation, and best-in-class service for over 140 years—a legacy that will carry on for years to come.

Products & Services

Belts - Power Transmission
Conveyor Belting - Accessories and Equipment
Couplings - Mechanical, Flexible and Rigid
Drives - Belt, Chain, Fluid and Gear
Gears - Pullers, Reducers and Pinions

Main Office

1061 Holland Rd
Simpsonville, SC 29681 United States of America
Phone: (864) 297-4800
dodgeindustrial.com/



Dragflow USA

Booth 911

Dragflow USA is the exclusive distributor of Dragflow products in the United States, with the aim of building a strong and extensive distribution network throughout the country. Renowned for its expertise and commitment, the company provides innovative pump and dredging system solutions for the most demanding applications.

Building on Dragflow's world-renowned heritage of technological excellence and customer satisfaction, Dragflow USA plays a key role in the expansion and availability of these products in the US.

Products & Services

Controls - Electrical and Electronic
Controls - Hydraulic and Pneumatic
Dewatering Equipment
Dredges
Pumps

Main Office

1641 W Commerce Ct, Ste 151
Tuscon, AZ 85746 United States of America
Phone: 520 780-3815
Email: jjirgal@dragflowusa.com
dragflowusa.com

Draslovka Mining Process Solutions

Booth 449

Draslovka are world leaders in leaching technology, leaching reagents, and AI-powered leaching optimization. We deliver innovative services that enable our mining clients to optimize recovery while minimizing their environmental impact. Using cutting-edge technology, we are leading the charge towards sustainability in metallurgical processes. Our wide range of reagents, patented Glycine Leaching Technology, and AI-powered In-Line Analyzers are helping mines worldwide optimize their recovery. We are a global organization of chemistry experts and innovators dedicated to the future of our planet.

Products & Services

Analyzers
Automation
Computer - Software and Services
Reagents - Chemical and Flocculants
Sampling Devices
Sensors



Main Office

Evropská 2758/11
Prague 6 160000 Czech Republic
Phone: +27834018118
Email: palesa.chiloane@draslovka.com
www.draslovka.com

Drill Tech Drilling & Shoring Inc

Booth 1024

Products & Services

Construction - Contracting Services

Main Office

2200 Wymore Wy
Antioch, CA 94509 United States of America
Phone: (925) 978-2060
www.drilltechdrilling.com

Driver Industrial Safety

Booth 406

At Driver Industrial Safety™, we are proud to offer a diverse range of innovative safety products under six trusted brands. Our SafetyWhips® line features industry-leading LED warning whips, while Toro® provides heavy-duty wheel chocks for enhanced equipment stability. RhinoGuard™ offers durable cable protectors and ground mats, and NVIZN® specializes in advanced LED displays and signal lights for maximum visibility. Helios™ delivers top-quality lighting solutions, and IDC™ focuses on safety equipment identification, industrial signage and full-service custom printing solutions. Each brand is designed with the highest standards of safety and reliability to keep your operations safe and efficient.

Products & Services

Loaders
Maintenance Equipment and Supplies

Mine Operators
Mining Contractors
Safety Equipment
Trucks and Haulage Units

Main Office

2115 W Mountain View Rd
Phoenix, AZ 85021 United States of America
Phone: (602) 424-2500
Email: sales@driverindustrial.com
www.driverindustrialsafety.com

DYNO
Dyno Nobel

Dyno Nobel

Booth 1223

Customers in the mining industry choose Dyno Nobel for quality products, reliable service and technical expertise. Dyno Nobel is the market leader in North America with facilities in Australia, Canada, the United States, Indonesia, Mexico, South America and Papua New Guinea. With a customer driven focus, Dyno Nobel develops practical products that will benefit customers in real time. Customers can count on real solutions to their pain points of today, helping them to reduce costs and increase production. Renowned for excellent safety performance and innovative explosive products and services, Dyno Nobel continuously delivers groundbreaking performance through practical innovation.

Products & Services

Blasting Accessories, Equipment and Agents
Consulting - Design and Planning
Consulting - Engineering
Explosive Materials and Services

Laboratory and Scientific Services
Mine Evaluations - Surface and Underground

Main Office

6440 S Millrock Dr, Ste 150
Salt Lake City, UT 84121 United States of America
Phone: (385) 347-2679
www.dynonobel.com

Dyson Corp

Booth 1459

Dyson Corp. was founded in 1884 as a small forge shop in Cleveland, Ohio. We have grown to become a leading manufacturer of critical fasteners ranging from 1½" up to 20" in diameter and custom forgings ranging in size from 1/2 to 10,000 lbs. We have built an infrastructure that enables us to provide our customers with 100% American-made fasteners and other industrial parts according to spec at a price that fits your budget. We provide industrial parts to industries that include Wind Energy, Locks and Dams, Marine and Military, Infrastructure and Construction, Oil and Gas, Mining, and Bridges.

Products & Services

Fasteners - Industrial

Main Office

53 Freedom Rd
Painesville, OH 44077 United States of America
Phone: (800) 680-3600
www.dysoncorp.com

Eagle Engineering

Booth 950

Providing world class mineralogy for mines, mills, etc.

Products & Services

Consulting - Engineering
Geological-Physical-Technical Services and Equip

SourceOne 
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Your data is only as helpful as the tools that power its usability. SourceOne® EKPS **breaks down barriers** that block your data's true potential at every level of your enterprise, **from C-suite to operations.**

Transform your data into **KNOWLEDGE.**

 Eclipse Mining Technologies

eclipsemining.com

EXHIBITORS

Main Office

14 Redwood Dr
Butte, MT 59701 United States of America
Phone: (406) 533-9460
www.eagleengineeringmt.com

Eagle Mine

Booth 1356

Operating since 2014, Eagle Mine is an underground, high-grade nickel and copper mine located in western Marquette County of Michigan's Upper Peninsula. It is the first mine to be permitted under Michigan's Part 632 Non-Ferrous Mineral Mining Law. The mine is expected to produce 440 million pounds of nickel, 429 million pounds of copper, and trace amounts of other minerals over its estimated mine life.

Products & Services

Mine Operators

Main Office

4547 County Rd
Champion, MI 49814 United States of America
Phone: (906) 235-5773
www.eaglemine.com/

easyXAFS, LLC

Booth 1263

easyXAFS is a global leader in laboratory XAFS and XES instrumentation, providing synchrotron-quality spectra with advanced X-ray spectrometers. Our solutions offer flexibility, whether equipping labs with state-of-the-art instruments or utilizing our XAFS on Demand service for routine, high-precision analysis.

With XAFS on Demand, simply send samples to us for cost-effective, top-tier results—no in-house setup required. Our technology supports breakthroughs in materials science, chemistry, physics, and environmental research, delivering accessible and reliable solutions for complex analyses.

Products & Services

Laboratory and Scientific Services
Laboratory Equipment and Supplies

Main Office

2220 Lind Ave SW Suite 109
Renton, WA 98057 United States of America
Phone: 4252761770
Email: sales@easyxafs.com
www.easyxafs.com

Eclipse Mining Technologies

Booth 1653

SourceOne® EKPS automates the transformation of raw data into actionable knowledge. SourceOne enriches and interconnects it, leaving it primed for utilization within its suite of AI and data modeling tools alongside industry-specific engines or by the external technologies of your choice. Tailored to meet the mining industry's challenges, SourceOne is undaunted by complex data types or large volumes of data. With your data streamlined, you can leverage SourceOne's powerful analytical and optimization engines to derive valuable insights. Finally, its flexible producer environment enables users to effortlessly craft tailored applications that meet their unique needs. Visit Booth 1653. Experience SourceOne yourself.

Products & Services

Automation
Computer - Software and Services
Information Technology Products

Main Office

3602 E Fort Lowell Rd
Tucson, AZ 85716 United States of America
Phone: (520) 372-7345
Email: info@eclipsemining.com
www.eclipsemining.com

EcoMister Evaporator

Booth 2038

The EcoMister Evaporator offers the most durable, cost effective wastewater disposal solution available to the mining industry today. Our NEW HDXL system will extend the life and value of a tailings pond and maintain adequate freeboard. We dramatically accelerate the evaporation process. The EcoMister Evaporator offers the potential to save millions of dollars in water management over the life of a mine.

Products & Services

Aerators
Automation
Dewatering Equipment
Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Fans and Blowers
Pollution Control Equipment
Reclamation Equipment and Services
Remediation
Water Clarification and Treatment

Main Office

559 Okanagan Ave E
Penticton, BC V2A 3K4 Canada
Phone: (778) 476-8432
www.ecomister.ca

Eirich Machines, Inc

Booth 2017

Eirich Machines, part of worldwide Eirich Group, is an international supplier of innovative material processing technology and solutions. Our EIRICH product line includes grinders and mixers with peripheral equipment for complete systems. EIRICH's cost- and energy effective grinding mills are for dry and wet grinding of brittle materials. You can reduce power consumption and have media consumption rates that are much lower than of conventional mills. Visit our booth #2017 to learn more!

Products & Services

Agitators, Vibrators and Mixers
Dryers
Grinding Mills
Reduction Technologies - Iron Ore, Steel, Mineral

Main Office

4033 Ryan Rd
Gurnee, IL 60031 United States of America
Phone: (847) 336-2444
www.eirichusa.com

Emerson

Booth 1031

Emerson is a global solutions provider focused on helping Miners exceed key performance indicators: Safety, Production, Cybersecurity, Environmental Stewardship, and Sustainability. A long-time supplier of valves, instrumentation, and control systems, today's Emerson leverages OT expertise into enterprise-wide data solutions which leverage machine learning to manage asset performance, optimize mineral recovery, and provide autonomous control solutions.

Products & Services

Analyzers
Automation
Consulting - Engineering
Controls - Electrical and Electronic
Information Technology Products
Measurement and Monitoring Systems
Process Controls and Instruments
Sensors
Training Services
Valves

Main Office

8200 Market Blvd
Chanhassen, MN 55317 United States of America
Phone: (952) 949-7126
www.emerson.com/mining

EMSL Analytical, Inc

Booth 544

EMSL Analytical, Inc., a national network of fifty laboratories located throughout the U.S. and Canada. Established in 1981, EMSL is a nationally recognized and locally focused provider specializing in fast laboratory results for Allergens, Asbestos, Chemistry, Fire and Smoke, Indoor Air Quality, Industrial Hygiene, Lead, Material Science, Metals, Microbiology, PCR/DNA, Radio Chemistry, Radon, Silica, and Water Quality. EMSL also carries sampling pumps, media, and investigative equipment.

Products & Services

Laboratory and Scientific Services

Main Office

200 Route 130 North
Cinnaminson, NJ 08077 United States of America
Phone: (800) 220-3675
Email: info@emsl.com
www.emsl.com

Endolith

Booth 2247

We're leveraging the power of microbes to lead a revolution in critical mineral mining. Our biohydrometallurgy techniques use microbes to extract critical minerals like copper and lithium from low-grade ores. These microbes naturally facilitate the leaching process, making it more efficient and environmentally friendly. By harnessing these microscopic powerhouses, we're transforming the way minerals are extracted, reducing the environmental footprint, and supporting a sustainable energy future.

Products & Services

Consulting - Research



Main Office

14701 W 65th Way Suite 4
Arvada, CO 80004 United States of America
Phone: (832) 652-9123
www.endolithmining.com

Endress+Hauser**Booth 531**

Endress+Hauser, a global leader in measurement and automation technologies for process and laboratory applications, is a family-owned company with a broad portfolio of services, solutions and instrumentation. Endress+Hauser serves customers in the chemical, food and beverage, life sciences, power and energy, oil and gas and water and wastewater industries. The company's products provide valuable data and insights into processes, support process optimization, efficiency and safety for people and the environment. Today, Endress+Hauser has more than 8,600 patents and patent applications.

Products & Services

Analyzers
Liquid Level Indicators and Switches
Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments
Sensors

Main Office

2350 Endress Pl
Greenwood, IN 46143 United States of America
Phone: (317) 535-2108
www.us.endress.com

Endura Paint**Booth 105**

We at Endura pride ourselves in providing our customers with the highest levels of service and support. Through our experienced sales staff and technical experts, we can provide our customers with customized solutions to improve production scheduling, meet local environmental regulations or meet customer specific requirements. Endura paints and primers achieve outstanding performance in aggressive, corrosive, and abrasive conditions. They are relied upon to be easy maintenance, retaining gloss and color even with exposure to harsh industrial cleaning methods.

Products & Services

Coatings (does not include Linings and Claddings)

Main Office

1616 N Main St
Pearland, TX 77581 United States of America
Phone: (281) 485-9553
Email: tradeshow@polyglasscoatings.com
endurapaint.com

Endurance Belting**Booth 639**

Endurance Belting is a leading supplier of heavy-duty conveyor belting to the mining industry around the globe. Our success is a result of taking practical real-world insights from the field, translating them into belt design and building a high-quality product. We offer a wide range of belting options and innovative belting solutions that can address the material handling needs of your next project. We encourage you to

visit our booth (639) to learn more about the Endurance Belting approach and the successes we have had supplying heavy-duty belting to the mining sector.

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems

Main Office

828 Ritson Rd S
Oshawa, ON L1H 5L4 Canada
Phone: (905) 443-0150
www.endurancebelting.com

Englo, Inc**Booth 1328**

Englo is a company specifically focused on dust management. Our Flexible Engineering approach allows us to optimize the application of our dust extraction equipment to meet the needs of our customer and solve dust related problems. Typical applications include Coal Fired Power Plants, Coal Mines, Continuous Miners, Coal Preparation Plants, and Heavy Process Industries. Dust Extraction Technology is our principal expertise and is backed by over forty years of experience and technological development around the world. Englo is located in Bluefield West Virginia, with regional engineering offices strategically located throughout the U.S.

Products & Services

Consulting - Engineering
Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Fans and Blowers
Fire Protection
Ventilation Systems, Materials and Equipment

Main Office

PO Box 1124
Beckley, WV 25802 United States of America
Phone: (304) 253-0777
Email: sales@engloinc.com
www.engloinc.com

ENTACT, LLC**Booth 529**

ENTACT provides industry-leading environmental remediation and geotechnical construction services for our mining Clients. We have performed remediation, demolition, restoration, and improved dams or similar water control structures to help our Clients transform an impacted site into a sustainable environment. ENTACT takes pride in self-performing the work, providing Clients with value, reliability, and accountability for costs and schedule control for their projects. Safety is core to our company culture and is demonstrated by being a 5-time National Safety Council (NSC) industry leader award recipient. ENTACT provides innovative, successful solutions for our customers.

Products & Services

Construction - Contracting Services
Dredges
Excavators
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control

Main Office

999 Oakmont Plaza Dr., Ste 300
Westmont, IL 60559 United States of America
Phone: (630) 986-2900
www.entact.com.com

Envirocon, Inc**Booth 813**

Envirocon safely and reliably delivers projects that protect, remediate, and restore our environment for commercial and government clients nationwide. Helping our clients meet their goals and objectives with innovative approaches in environmental remediation, ecological restoration, and decommissioning & demolition is what we do. Envirocon offers proven safety performance, project delivery, and financial strength and stability unmatched in our industry. We serve our clients with integrity and provide reliable, safe, and high-quality results.

Products & Services

Construction - Contracting Services
Dewatering Equipment
Dredges
Excavators
Loaders
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control

Main Office

101 International Dr
Missoula, MT 59808 United States of America
Phone: (406) 523-1150
www.envirocon.com

Epiroc**Booth 1401**

Epiroc is a leading productivity partner for the mining, infrastructure and natural resources industries. With cutting-edge technology, Epiroc develops and produces innovative drill rigs, rock excavation and construction equipment, and provides world-class service and consumables. The company was founded in Stockholm, Sweden, and has passionate people supporting and collaborating with customers in more than 150 countries.

Products & Services

Automation
Autonomous Vehicles
Drill Bits - Rock
Drilling Equipment
Loaders
Parts - Mining Machinery
Roof - Ground Supports
Trucks and Haulage Units

Main Office

8001 Arista Pl, Ste 400
Broomfield, CO 80021 United States of America
Phone: (844) 437-4762
www.epiroc.com

ERIEZ

Eriez

Booth 1117

Eriez offers magnetic separation, magnetic purification and vibratory conveying solutions for the mining industry. Founded in 1942, Eriez' metal removal, wet and dry mineral processing technologies protect downstream equipment, product purity and the efficiencies of mineral processing and mining operations. Eriez Flotation is a global leader in advanced flotation technology and is a wholly owned subsidiary of Eriez Manufacturing Co. Eriez Flotation provides advanced testing and engineering services, sparging and column flotation equipment, and game changing innovations in process technology such as HydroFloat® and StackCell® for the mining and mineral processing industries.

Products & Services

Feeders
Flotation Machines and Equipment
Gravity Separators
Heavy Media Recovery Units
Magnetic Separators

Main Office

2200 Asbury Rd
Erie, PA 16506 United States of America
Phone: (814) 835-6000
Email: eriez@eriez.com
www.eriez.com

Esri

Booth 1750

Esri, the global leader in GIS software and location intelligence, helps customers unlock the full potential of data to improve operational and business results. Esri software is deployed in more than 350,000 organizations globally and in over 200,000 institutions in the Americas, Asia and the Pacific, Europe, Africa, and the Middle East, including Fortune 500 companies, government agencies, nonprofits, and universities. Esri has regional offices, international distributors, and partners providing local support in over 100 countries on six continents. Esri engineers the most innovative solutions for digital transformation, the Internet of Things (IoT), and advanced analytics. Visit our website.

Products & Services

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Autonomous Vehicles
Computer - Software and Services
Consulting - Environmental
Exploration Equipment and Services
Geological-Physical-Technical Services and Equipment
Information Technology Products
Mine Operators
Mineral Prospecting
Surveying Equipment and Supplies

Main Office

380 New York St
Redlands, CA 92374 United States of America
Phone: (909) 369-2953
www.esri.com/en-us/industries/mining/overview

ExcelSense Technologies

Booth 1746

ExcelSense Technologies designs and manufactures rugged, maintenance-free, self-cleaning cameras and lidars for equipment situational awareness, autonomous mining, and remote material process monitoring in dirty and harsh industrial environments. Uniquely, ExcelSense's patented and award-winning technologies self-clean against abrasive dust, mud, oil, bitumen, potash, salt, and potash without requiring any fluid top-ups, compressed air, or maintenance for many years.

Products & Services

Autonomous Vehicles
Continuous Mining Machines
Conveyor Systems
Crushers and Pulverizers
Drilling Equipment
Electrical Equipment and Supplies
Excavators
Flotation Machines and Equipment
Safety Equipment
Trucks and Haulage Units

Main Office

109-3231 No.6 Rd
Richmond, BC V6V 1Z1 Canada
Phone: (800) 914-3193
www.excelensetechtechnologies.com

Exyn Technologies

Booth 132

Exyn Technologies is pioneering multi-platform robotic autonomy for complex, GPS-denied environments. For the first time, industries like mining, logistics, and construction can benefit from a single, integrated solution to capture critical and time-sensitive data in a safer, more affordable, and more efficient way. Exyn is powered by a team of experts in autonomous systems, robotics, and industrial engineering, and has drawn talent from Penn's world-renowned GRASP Laboratory as well as other storied research institutions. The company is VC-backed and privately held, with headquarters in Philadelphia.

Products & Services

Aerial Mapping and Surveying
Autonomous Vehicles
Computer - Software and Services
Mine Evaluations - Surface and Underground
Safety Equipment
Surveying Equipment and Supplies

Main Office

2118 Washington Ave, Ste 1000
Philadelphia, PA 19146 United States of America
Phone: (215) 999-0200
www.exyn.com

Falco Technologies Inc

Booth 646

Falco technologies is a subject matter expert providing engineering, manufacturing and commissioning services for turn key reagent storage, mixing and dosing systems used in mining operations. Whether reagents are supplied in IBC totes, bulk liquids or in supersacs for leaching, elution, flotation, pH adjustments, water treatment, etc. we can provide a custom designed solution complete with; storage & blending tanks, in-

struments, valves, skid, HMI/PLC, platform, dust collector, etc. Falco has designed systems for NaCN, CuSO₄, SMBS, SO₂, Pb(NO₃)₂, H₂O₂, HNO₃, HCl, NaOH, flocculant, frothers, collectors, depressants, etc.

Products & Services

Blending Systems
Consulting - Engineering
Cyanide Process Equipment
Reagents - Chemical and Flocculants

Main Office

1245 Industrielle
La Prairie, QC J5R 2E4 Canada
Phone: (514) 977-3752
Email: fgamache@berlie-falco.com
www.berliefalco.com

FC Mill Liners, Inc

Booth 1903

FC Mill Liners, Inc. applies 50+ years of industry expertise to provide an excellent supplier experience. Highly knowledgeable account representatives and engineers will collaborate with you to define, design, and manufacture high quality liners that deliver the performance you need, specific to the size and application of your grinding mills. As a reliable partner, we deliver consistent lead times you can count on. And we can help maximize your up-time by engaging expedited response capabilities to quickly resolve unplanned liner issues so you can keep your operation running. Visit fcmillliners.com to learn how our expertise and capabilities can benefit you.

Products & Services

Castings
Grinding Media and Liners
Grinding Mills

Main Office

4729 E Sunrise Dr, #502
Tucson, AZ 85718 United States of America
Phone: (480) 622-1263
www.fcmillliners.com



Federal Screen Products, Inc

Booth 1806

Federal Screen is a custom manufacturer and fabricator of wedge wire screens, delivering high-quality products and unmatched customer service. With over 25 years of experience, we provide filtration solutions that help lower operational costs and maximize systems efficiency for mineral processors. Through advanced manufacturing capabilities and exceptional engineering, we produce screens in a variety of configurations and slot sizes to meet your specific application needs. We specialize in media retention nozzles, vessel internals, strainer baskets, support grids, resin traps, intake screens, flat panels, sieve bends, wastewater screens, MBBR system screens as well as custom designs.

Products & Services

Screens



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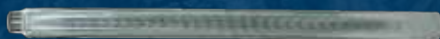
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EXHIBITORS

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Mississauga, ON L4T 1L2 Canada
Phone: (905) 677-4171
www.federalscreen.com

FEECO International, Inc

Booth 1259

FEECO International, Inc. was founded in 1951 as an engineering and equipment manufacturer. Today, we provide an array of process solutions, equipment, and services to companies looking to solve material problems, develop advanced processes, and streamline production.

We've built a reputation on custom, quality work that has allowed us to serve thousands of companies around the world with the best in agglomeration, thermal processing, and material handling equipment.

Products & Services

Blending Systems
Conveyor Systems
Coolers
Dryers
Kilns
Maintenance Services
Parts - Mining Machinery

Main Office

3913 Algoma Rd
Green Bay, WI 54311 United States of America
Phone: (920) 468-1000
www.FEECO.com

FGX SepTech Global LLC

Booth 401

FGX Septech Global LLC is the world leader in supplying the dry coal (pneumatic) separators. The FGX technology uses air rather than water to beneficiate the run-of-mine coal, as well as other minerals. There are more than 2200 FGX pneumatic coal processing units operating through out the world. FGX have machines capable of processing from 10tph to 500tph of the ROM coal. Pilot-scale testing provided free of charge, at the client site for feasibility study. Currently there are three commercial scale units operating in the USA. It is one of the most economical and environment friendly Green technology.

Products & Services

Coal Preparation Plants
Gravity Separators
Mineral Prospecting

Main Office

289 Blue Sky Pkwy
Lexington, KY 40509 United States of America
Phone: (859) 263-8300
www.fgxseptechnllc.com

Fischerchem Pte Ltd

Booth 632

Providing information regarding the Fischerchem range of speciality sulfide flotation reagents for the global mineral processing industry.

Products & Services

Reagents - Chemical and Flocculants

Main Office

23 Cove Way
Cape Royale 10-16
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Phone: +6591433393
www.fischerchem.com.au

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EXHIBITORS

Fisher Co

Booth 2012

Products & Services

Linings and Claddings

Main Office

955 N Main St
North Salt Lake, UT 84054 United States of America
Phone: (801) 298-2570
www.fisherutah.com

Fisher Tank Company

Booth 2244

Fisher Tank Company provides design, fabrication and field erection for welded stainless and carbon steel storage tanks per API 650, API 620, AWWA D-100 and NFPA 22 standards. Fisher Tank also provides tank repair, maintenance and modification per API 653. Fisher Tank has been providing field erected welded steel tanks since 1948, and serves a variety of industries, including mining, renewables, oil & gas, power, chemicals, water & wastewater, aviation & rail, manufacturing, pharmaceuticals, food & beverage, and more.

Products & Services

Bins, Hoppers, Silos and Storage
Construction - Contracting Services
Thickeners
Water Clarification and Treatment

Main Office

7305 Morro Rd, Ste 200
Atascadero, CA 93422 United States of America
Phone: (805) 275-3611
fishertank.com/

FKC-Lake Shore

Booth 1229

FKC-Lake Shore offers design-build-install services for innovative hoisting and vertical conveyance systems used to transport personnel and material. Our Field Services Division provides 24/7 emergency repair of electrical and mechanical systems. Products & Services: Vertical Conveyors, Skips, Hoists, Sheaves, Cages, Headframes, Brakeman Cars, Controls, Field Services, and Wire Rope NDT. FKC's Mine Development Division provides comprehensive, mine development services to our owners and partners with techniques such as Blind Drilling, Raise Boring, Conventional Shaft Sinking, and Slope/Decline Tunnel Construction.

Products & Services

Construction - Contracting Services
Controls - Electrical and Electronic
Conveyor Systems
Drilling Contractors
Hoists - Controls and Accessories
Maintenance Services
Underground - Construction and Structures

Main Office

1695 Allen Rd
Evansville, IN 47710 United States of America
Phone: (812) 426-2741
www.fkc-lakeshore.com

Flender Corporation

Booth 608

Flender is a leading global supplier of mechanical drive systems for mining applications and has earned a reputation for the highest performance, innovation, quality, and reliability of mechanical components for more than 120 years. The new Flender One helical gear unit offers the perfect balance between thermal capacity and efficiency, ease of use and technological sophistication, and torque and transmission range, allowing it to meet customer requirements precisely. Flender One is an example of leveraging our acquired product knowledge and industry expertise to develop innovative products to deliver optimal value

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Agitators, Vibrators and Mixers
Conveyor Systems
Couplings - Mechanical, Flexible and Rigid
Crushers and Pulverizers
Drives - Belt, Chain, Fluid and Gear
Grinding Mills
Maintenance Services
Power Transmission Equipment
Water Clarification and Treatment

Main Office

1401 Madeline Lane
Elgin, IL 60124 United States of America
Phone: (847) 931-1990
Email: gearUnitsUSA@flender.com
www.flender.com

Flexco

Booth 1610

Flexco is the world leader in belt conveyor productivity. With an extensive catalog featuring mechanical belt fasteners and splicing systems, maintenance and cleaning tools, and other accessories that help to keep your belt moving, there's a seemingly endless opportunity to improve the belt conveying process. Furthermore, Flexco's network of territory managers, distributors, and customer service representatives expands across the globe, and is dedicated to helping to ensure that production runs smoothly and efficiently for belt conveying facilities. See why Flexco has continued to be the top choice for conveyor solutions for over a century; become a partner in productivity today!

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems
Dust and Fume Control Technology
Educational
Measurement and Monitoring Systems
Parts - Mining Machinery
Safety Equipment
Training Services

Main Office

2525 Wisconsin Ave
Downers Grove, IL 60515 United States of America
Phone: (800) 541-8028
www.flexco.com

Flottweg Separation Technology, Inc

Booth 838

Flottweg provides liquid solid separation equipment for mining applications. Their 2 and 3 phase decanter centrifuges and separator centrifuges are used in CRUD separation, gravel washing, drilling mud recovery, solvent extraction, oily water solids separation, solids sorting, and wastewater treatment. Skid mounted and containerized systems are also available. Contact us today for a trial.

Products & Services

Centrifuges
Dewatering Equipment
Environmental Control Equipment and Supplies
Pollution Control Equipment
Quality Improvement
Separators and Concentrators
Solvents - Extraction, Mixer and Settlers

Main Office

10700 Toebben Dr
Independence, KY 41051 United States of America
Phone: (859) 448-2300
Email: sales@flottweg.net
www.flottweg.com

FLS

Booth 1205

FLS is a leading, full flowsheet minerals processing supplier to the global mining industry. We deliver proven technologies and services across the lifecycle of operations, and have set targets of providing solutions for zero-emissions mining by 2030 with our MissionZero programme. Empowering the future of mining.

Products & Services

Conveyor Systems
Dewatering Equipment
Flotation Machines and Equipment
Grinding Mills
Pumps
Separators and Concentrators
Thickeners

Main Office

7158 S FLSmidth Dr
Midvale, UT 84047 United States of America
Phone: (801) 871-7000
Email: info.slc@flsmidth.com
www.fls.com

Flyability Inc

Booth 638

Flyability is a Swiss company building solutions for the inspection and exploration of indoor, inaccessible, and confined spaces. By allowing drones to be used safely in confined space, it enables mines and inspection professionals to reduce downtime, inspection costs, and risks to workers.

Products & Services

Aerial Mapping and Surveying
Maintenance Equipment and Supplies
Mine Evaluations - Surface and Underground
Surveying Equipment and Supplies



Main Office

1333 W 121st Ave
Westminster, CO 80234 United States of America
Phone: (303) 800-4611
www.flyability.com

Foam Concepts LLC

Booth 1530

Products & Services

Backfilling
Blasting Accessories, Equipment and Agents
Consulting - Environmental
Environmental Control Equipment and Supplies
Grouting Services, Equipment and Materials
Pipes
Reclamation Equipment and Services
Remediation
Roof - Ground Supports
Tunnel Lining and Support Materials

Main Office

4255 S Eagleson Rd
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www.foamconceptsllc.com

Forgen

Booth 703

At Forgen, we deliver even the most complex mine reclamation and remediation projects. We've successfully delivered large, multi-disciplinary projects for public and private sector clients across the nation for more than a decade, safely resolving complex challenges for the mining industry. Our services include mine reclamation and remediation, in situ/ex situ soil stabilization, cutoff wall construction, pond closure/construction, site development and mass grading, dam and levee reha-

bilitation, habitat/wetland restoration, waste repository construction and capping, and other large environmental, geotechnical, and civil earthwork services.

Products & Services

Construction - Contracting Services
Reclamation Equipment and Services
Remediation

Main Office

6020 West Oak Blvd., Ste 220
Rocklin, CA 95765 United States of America
Phone: (916) 716-6352
www.forgen.com

Foth Infrastructure & Environment, LLC

Booth 1534

Foth brings a big picture mindset to our partnerships with our clients and helps to unlock the full potential of your mining projects. Our team of mining professionals offers a combination of expertise to help guide projects from concept, through sustainable operations, to closure. Our approach includes maintaining awareness of the external factors driving future decisions and linking long-term objectives to today's next steps. Since 1938 the firm has thrived in a dynamic and demanding marketplace by solving our clients' toughest science and engineering challenges. Our 650-member, employee-owned firm operates out of 28 locations across the United States and Canada.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management

Main Office

2121 Innovation Court, Ste 100
De Pere, WI 54115 United States of America
Phone: (920) 497-2500
www.foth.com

**FREEPORT-McMoRAN****Freeport-McMoRan Inc**

Booth 722

Freeport-McMoRan is an international mining company that operates large, long-lived, geographically diverse assets with significant proven and probable reserves of copper, gold and molybdenum. One of the world's largest publicly traded copper producers. Freeport-McMoRan's portfolio of assets includes the Grasberg minerals district in Indonesia, one of the world's largest copper and gold deposits; and significant mining operations in North America and South America, including the large-scale Morenci minerals district in Arizona and the Cerro Verde operation in Peru. By supplying responsibly produced copper, the company is proud to be a positive contributor to the world well beyond its operational boundaries.

Products & Services

Mine Operators
Mineral Prospecting
Recruiting/Staffing

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EXHIBITORS



Frontier Precision Geospatial/ Unmanned

Booth 2001

Frontier Precision is a distributor of geospatial survey and mapping products, unmanned aerial and ROV products, as well as high precision satellite imagery and software - we have over 37+ years of experience working in mining environments.

Products & Services

Aerial Mapping and Surveying
Autonomous Vehicles
Information Technology Products
Measurement and Monitoring Systems
Sensors
Surveying Equipment and Supplies

Main Office

1713 Burlington Drive
Bismarck, ND 58504 United States of America
Phone: (800) 359-3703
Email: howyoumeasurematters@frontierprecision.com
www.frontierprecision.com

FTE Drilling

Booth 2010

Products & Services

Drilling Contractors

Main Office

5055 Boulevard Industrial
Sherbrooke, QC J1R 0P4 Canada
Phone: (819) 345-8013
www.ftedrilling.com

FUCHS LUBRICANTS CO

Booth 239

Products & Services

Lubricants and Equipment
Maintenance Equipment and Supplies

Main Office

17050 Lathrop Ave
Harvey, IL 60426 United States of America
Phone: (708) 333-8900
www.fuchs.com/us



G+ Plastics

Booth 1909

G+ Plastics is a family-owned business founded in 1995 in Rouyn-Noranda, Canada, in the heart of the Abitibi Gold Belt. We have pioneered the use of heavy-duty and long-lasting plastic products in the mining industry; our unique expertise of industrial polymers eventually helped to create the G+ Speed Air Duct, a complete product line designed to meet all auxiliary ventilation needs. It is a nearly frictionless plastic duct with airtight junctions that can forward airflow farther with up to 50% less fan power.

Products & Services

Ventilation Systems, Materials and Equipment

Main Office

180 rue d'Évain
Rouyn-Noranda, QC J0Z 1Y0 Canada
Phone: (819) 768-8888
www.plasticminer.com

Gai-tronics / Austdac

Booth 1951

Gai-tronics and Austdac design, build and sell conveyor monitoring and control products along with Communication products for above or Below ground. Products carry Global standards; UL/CSA, SIL2, MSHA, IECEx, AUSEX. Global support for both product availability and technical support. Specialty products such as SIL-BUS for Hazardous location conveyor monitoring and HUBBUS for extremely long(15M) Overland conveyor monitoring, powered at only one end. Other products include: IS Power supplies, IS lighting, Pullcord switches, Drift Switches, RIP detection Switches, Tilt switches and Digital displays for status indication. System support includes: Design, Drawings, Functional Safety compliance and Commissioning and servicing.

Products & Services

Automation
Communications Equipment
Controls - Electrical and Electronic
Conveyor Systems
Electrical Equipment and Supplies
Lighting Systems and Lamps
Longwall Mining Equipment
Measurement and Monitoring Systems
Process Controls and Instruments
Safety Equipment

Main Office

455 Lowries Run Rd
Pittsburgh, PA 15237 United States of America
Phone: (519) 868-7008
www.austdac.com.au

Garmin International

Booth 1657

Engineered on the inside for life on the outside, Garmin products have revolutionized life for adventurers, athletes, and outdoor enthusiasts everywhere. Committed to developing products and services that enhance ex-

periences and provide peace of mind, Garmin believes every day is an opportunity to innovate and a chance to beat yesterday. For more information, visit Garmin's virtual Newsroom, email our press team, connect with @garminoutdoor on social media.

Products & Services

Safety Equipment

Main Office

1200 E 151st St
Olathe, KS 66062 United States of America
Phone: (913) 440-5356
www.garmin.com

GEA Group

Booth 2051

Products & Services

Blending Systems
Centrifuges

Main Office

100 Fairway Ct
Northvale, NJ 07647 United States of America
Phone: (201) 784-4318
www.gea.com



General Kinematics

Booth 622

For more than sixty years, General Kinematics has led the Mining industry to innovate vibratory process equipment. General Kinematics is one of the world's largest suppliers of vibratory processing equipment. GK is a significant contributor to the technical advancement of equipment design and application in the mining industry. GK serves a worldwide customer base through engineering-oriented sales representatives who cover industrial markets throughout the United States. International markets are serviced from subsidiary operations and through a combination of representatives, manufacturers, and strategic alliances with industry-specific organizations in other strategic locations. Today, over 50,000 General Kinematics units have been installed.

Products & Services

Classifiers
Conveyor Systems
Dewatering Equipment
Feeders
Grinding Mills
Screens

Main Office

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EXHIBITORS

Geobrugg North America, LLC

Booth 1427

Geobrugg manufactures tested and proven steel wire meshes and protection systems for ground support, rockfall protection and slope stabilization systems to improve safety and productivity for mining operations. Systems include MINEX® a rolled mesh from high-tensile strength steel wire, the MESHA® mesh-unrolling device for bolting machines, rockfall barriers and attenuators, slope drapes, and anchored mesh for slopes. With representatives throughout North America and the world, paired with manufacturing at our factory in Algodones, New Mexico we provide solutions and support tailored to the needs of today's open pit and underground mines in a fast and dependable manner.

Products & Services

Roof - Ground Supports
Safety Equipment
Sediment & Erosion Control
Steel Wire Ropes/Cables
Tunnel Lining and Support Materials

Main Office

22 Centro Algodones
Algodones, NM 87001 United States of America
Phone: (505) 771-4080
Email: dane.wagner@geobrugg.com
www.geobrugg.com

GEO-Instruments

Booth 1416

GEO-Instruments provides automated solutions for monitoring the safety and stability of buildings, excavations, bridges, railways, roads, tunnels, dams, embankments, and slopes. We help clients manage risk by installing advanced monitoring systems and automating the collection, processing, and delivery of alarms, data, and reports. Established in 2003, GEO-Instruments has acquired a reputation for getting results and providing excellent customer service. Our team has extensive experience in instrumentation, information technology, civil engineering, and construction. GEO-Instruments also maintains a large inventory of rental equipment and specializes in sales, rentals, calibrations, and repair of Instantel vibration monitors and seismographs.

Products & Services

Dust and Fume Control Technology
Measurement and Monitoring Systems
Sensors
Surveying Equipment and Supplies

Main Office

24 Celestial Dr
Narragansett, RI 02882 United States of America
Phone: (800) 477-2506
www.geo-instruments.com

GEOKON

Booth 1022

GEOKON, an employee-owned company, is a recognized world leader in the manufacture of structural and geotechnical instrumentation. Founded in 1979, GEOKON offers a full complement of instrumentation for a wide range of industries including tunnels, dams, mines, piles, bridges, pipelines, landfills, embankments, transportation, etc. GEOKON incorporates state-of-the-art manufacturing processes and equipment to produce the highest quality and performing products

on the market. Mechanical, electrical and software engineering teams collaborate to develop the most innovative, accurate and reliable instrumentation in the industry. GEOKON products are supported by an experienced team of associates ready to assist with instrument design, selection, and installation.

Products & Services

Geological-Physical-Technical Services and Equip
Measurement and Monitoring Systems
Meters and Gauges
Sensors

Main Office

48 Spencer St
Lebanon, NH 03766 United States of America
Phone: (603) 448-1562
Email: teamsales@geokon.com
www.geokon.com

Geo-Logic Associates

Booth 1840

Geo-Logic Associates (GLA) is an employee-owned, multidisciplinary environmental, civil and geotechnical engineering consulting firm with more than 300 employees located in 28 offices in the U.S. and abroad. GLA and its affiliates, Clear Creek Associates, Daniel B. Stephens & Associates, Geo-Logic Peru, Kunkel Engineering, Summit Water Resources, and The MINES Group provide solutions to challenges for landfills, mines, contaminated sites, municipal projects, natural resources, and water resources.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Laboratory and Scientific Services
Mine Evaluations - Surface and Underground
Remediation

Main Office

2777 E Guasti Rd, Ste 1
Ontario, CA 91761 United States of America
Phone: (909) 626-2282
www.geo-logic.com



Geopyöra

Booth 1847

Geopyöra is a start-up company on a mission to bring mining into a new era of big data. Our state-of-the-art rock breakage characterization technology allows mining companies to rapidly test several samples at low cost and generate a large amount of high quality data, which can be used to better assess the ore hardness variability, reduce risks and add value to projects.

Products & Services

Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Laboratory Equipment and Supplies
Process Controls and Instruments

Main Office

Kaarnatie 24
Oulu 90530 Brazil
Phone: +358505011458
Email: info@geopyora.com
www.geopyora.com

GeoStabilization International

Booth 1429

Our passion is to develop and install innovative solutions that protect people and infrastructure from the dangers of geohazards. We specialize in emergency landslide repairs, rockfall mitigation, and grouting using design/build and design/build/warranty contracting. GeoStabilization's team includes some of the brightest and most dedicated professionals in the geohazard mitigation industry. Our expertise, proprietary tools, and worldwide partnerships allow us to repair virtually any slope stability or foundation problem in any geologic setting.

Products & Services

Consulting - Engineering

Main Office

4475 E 74th Ave, Ste 100
Commerce City, CO 80222 United States of America
Phone: (855) 579-0536
www.geostabilization.com

Geosyntec Consultants

Booth 413

Geosyntec: recognized worldwide for excellence in innovating strategies & solutions for complex mining challenges

Products & Services

Consulting - Engineering
Consulting - Environmental
Mine Evaluations - Surface and Underground
Remediation
Sediment & Erosion Control
Water Clarification and Treatment

Main Office

9480 S Eastern Ave; Ste 140
Las Vegas, NV 89123 United States of America
Phone: (866) 676-1101
Email: contact@geosyntec.com
www.geosyntec.com/

Geotech Environmental Equipment, Inc

Booth 1624

Geotech Environmental Equipment offers performance-driven environmental monitoring solutions for the mining industry. Our advanced equipment helps mining companies meet regulatory compliance requirements, while improving operational efficiencies and reducing environmental risks. Our product portfolio includes gas analyzers, water quality and level meters, pump systems, and more. With over 45 years of experience, we provide reliable and easy-to-use solutions that enable informed decision-making for our customers. We are committed to helping our customers achieve their environmental goals while maximizing profitability. Contact us to learn how we can help you succeed in mining operations.



Products & Services

Controls - Electrical and Electronic
Controls - Hydraulic and Pneumatic
Drilling Equipment
Measurement and Monitoring Systems
Pumps
Remediation

Main Office

2650 E 40th Ave
Denver, CO 80205 United States of America
Phone: (303) 320-4764
www.geotechenv.com

GHD**Booth 127**

GHD is a global professional services company committed to solving the world's biggest challenges in the areas of water, energy and urbanization. As a global company leading through engineering, construction and architectural expertise, our innovative approaches connect and sustain communities. Delivering extraordinary social and economic outcomes, our focus is building lasting relationships with our partners and clients.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Remediation
Water Clarification and Treatment

Main Office

3200 E. Camelback Rd., Ste 210
Phoenix, AZ 85018 United States of America
Phone: (602) 216-7200
www.ghd.com

Giddy Up Inc.**Booth 748**

Promotional products supplier. We specialize in embroidery, screen printing, and advertising specialties. We also carry hi-viz and PPE equipment such as hard hats, safety jackets, Class II and Class III vests, etc...

Products & Services

Mining Gifts
Safety Awards
Safety Equipment

Main Office

10500 E 56th Ave., Ste 103
Denver, CO 80239 United States of America
Phone: (303) 371-3367
www.giddyupmonica.com

Global Mining Guidelines Group**Booth 2015**

The Global Mining Guidelines Group (GMG) is a network of representatives from mining companies, original equipment manufacturers (OEMs), original technology manufacturers (OTMs), research organizations, academia, regulatory agencies, consultancies, and industry associations who collaborate to tackle the challenges facing our industry. GMG aims to accelerate the improvement of mining performance, safety and sustainability by creating guidelines and white papers that address common industry challenges, facilitating collaboration and expanding the industry's knowledge base. GMG also hosts and supports events that bring mining stakeholders together along with external industries to address the industry's challenges, successes and innovations. Visit our website to learn more.

Products & Services

Educational
Professional Society or Association

Main Office

72 Roy St
Ormstown, QC J0S 1K0 Canada
Phone: (450) 829-9000
Email: info@gmggroup.org
www.GMGgroup.org

Global Mining Review**Booth 1524**

Global Mining Review provides unparalleled editorial coverage of the global mining and minerals processing industry. Each issue of our magazine offers a mixture of business insights and technical knowledge, as well as news and comment on recent trends and developments in the industry. Check out our website for the latest mining news, sign up for upcoming webinars and events, and don't miss our Spotlight Interview series with leading industry minds. Contact the GMR team today to hear about our editorial and advertising opportunities: enquiries@globalminingreview.com

Products & Services

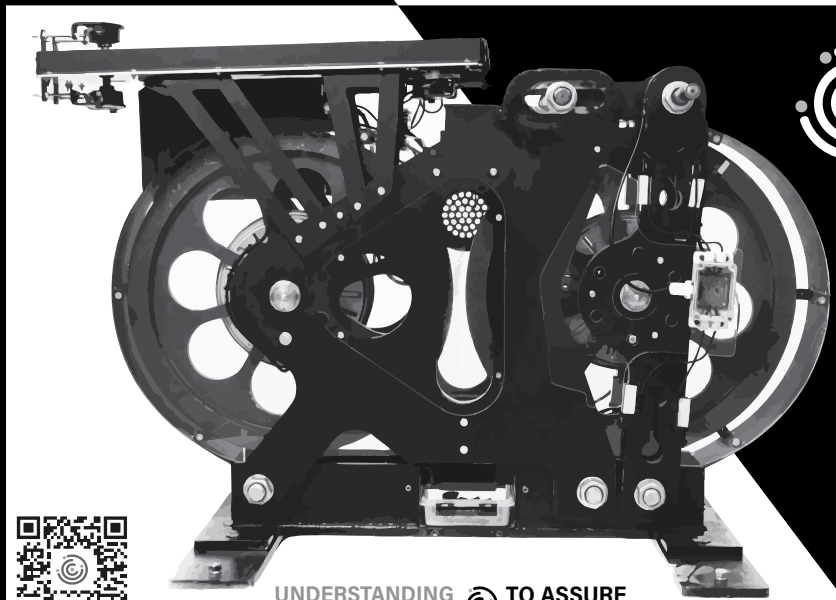
Publishers

Main Office

15 South St
Farnham GU9 7QU United Kingdom
Phone: +44 1252 718999
Email: enquiries@globalminingreview.com
www.globalminingreview.com

GMS Mine Repair & Maintenance**Booth 805**

We are GMS and we've been serving the Mining Industry for nearly 40 Years. Our deep experience and broad range of specialized services and products allow us to serve the customer with unmatched efficiency and scale as we continue to grow and adapt to constantly changing markets. We offer Underground and Surface



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SME Society for Mining, Metallurgy & Exploration

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Products & Services

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Consulting - Engineering
Conveyor Systems
Explosive Materials and Services
Grouting Services, Equipment and Materials
Maintenance Services
Mining Contractors
Shotcrete Equipment, Supplies and Services
Underground - Construction and Structures

Main Office

32 Enterprise Dr
Oakland, MD 21550 United States of America
Phone: (301) 334-8186
www.gmsminerepair.com

GNB Global Inc

Booth 822

GNB Global | Tension Fabric Buildings Need a fast, durable building solution for your mining operations? GNB's tension fabric buildings are built for the toughest environments and customized to your site's needs. From storage to maintenance facilities, our buildings go up fast and stand the test of time. Visit us at MineXchange Booth #822 to hit the easy button for your next project! RWES | Reusable Weather Enclosure System Keep your crews working safely and efficiently—no matter the weather! RWES is a quick-install enclosure system that protects your project from the elements. Designed for mining sites, RWES is your shield against

Products & Services

Temporary Structures

Main Office

149 Capital Lane
Rhome, TX 76078 United States of America
Phone: (806) 584-9496
www.gnb.group

Gold Ore (Pty) Ltd

Booth 2233

Gold Ore (Pty) Ltd is a privately owned company, founded in South Africa, that markets the patented and proprietary MACH Reactor technology. The MACH Reactor is a hydrodynamic cavitation device that generates pico bubbles to greatly enhance the flotation of valuable fine mineral and to also improve leach kinetics and recoveries.

Products & Services

Aerators

Main Office

2 Cascades, Russel Street, Benoni, 1501
Benoni 1501 South Africa
Phone: +27829407057
www.goldore.org

GPM Inc

Booth 128

Founded in 1978 GPM manufactures and distributes the toughest, most reliable submersible, slurry, and dewatering pumps and systems. The GPM-Eliminator™ survives in applications other pumps don't. Pumping up to 70% solids, it is safe to say the Eliminator is Made Tough™. These pumps are ready to take on just about any application with horsepower ranging anywhere between 5HP to 600HP. Additionally, discharging solids 2" to 4.5" in diameter. With GPM's engineered fabrication abilities, we can custom design a solution for all your pumping problems. From floating barges, to pump houses we will provide a solution to your unique pumping applications.

Products & Services

Agitators, Vibrators and Mixers
Consulting - Engineering
Dewatering Equipment
Pumps

Main Office

4432 Venture Ave
Duluth, MN 55811 United States of America
Phone: (218) 722-9904
Email: info@gpmco.com
www.gpmco.com

Graymont

Booth 411

Graymont is a global leader in lime and limestone solutions. Our products are essential in addressing today's most pressing environmental issues while supporting vital industrial processes. Headquartered in Canada, Graymont serves markets throughout North America and Asia-Pacific. Graymont is also the strategic partner of Mexican-based Grupo Calidra, the largest lime producer in Latin America.

Professionally managed and family owned, the company has been in operation for over 70 years. Graymont aims to be the preferred supplier, employer, and partner of choice wherever we operate.

Products & Services

Reagents - Chemical and Flocculants

Main Office

10991 Shellbridge Way, #200
Richmond, BC V6X3C6 Canada
Phone: (403) 462-9909
www.graymont.com

Great Basin Industrial, LLC

Booth 1800

Products & Services

Bins, Hoppers, Silos and Storage

Main Office

1284 W Flint Meadow Dr
Kaysville, UT 84037 United States of America
Phone: (307) 321-5599
www.mygbi.com

GSI Environmental Inc.

Booth 1819

GSI works across the world helping our clients evaluate, manage, permit, close, and restore mine sites. Our

diverse team of engineers and scientists includes recognized leaders in environmental engineering, modeling, hydrogeology, geochemistry, water resources, risk management, toxicology, environmental permitting, and regulatory affairs. Our experience helps ensure clients meet regulatory requirements, internal standards, and broader ESG aspects associated with the mining industry.

Products & Services

Consulting - Environmental

Main Office

2211 Norfolk St #1000
Houston, TX 77098 United States of America
Phone: (406) 529-0449
www.gsienv.com/

Guideline Geo Americas – Reutech

Booth 1635

Products & Services

Mine Operators

Main Office

1270 Drop Off Dr
Summerville, SC 29486 United States of America
Phone: (843) 852-5021
www.guidelinegeo.com/

GVS Health and Safety

Booth 1660

GVS produces respirators to protect workers in hazardous working environments.

Products & Services

Refinery Equipment
Safety Equipment
Welding Equipment and Supplies

Main Office

2807 Samoset Rd
Royal Oak, MI 48073 United States of America
Phone: (248) 591-4009
Email: sales@gvs.com
www.gvs-rpb.com

H2E Inc

Booth 1435

H2E, Incorporated provides consulting and design to deliver engineering solutions for electrical and automation projects. We are a unique group of professionals offering services in Power Engineering including medium voltage, Automation and Controls, Field Services, Startup and Commissioning. We service a diverse client mix both domestic and abroad, which includes our long-standing relationships within the mining sector. Our mission is to partner with clients to investment in safety, technology, and growth. H2E supplies technically sound solutions to industrial environments which overcome our Client's challenges and lead to value driven relationships that strengthen the industry.

Products & Services

Automation
Consulting - Engineering
Controls - Electrical and Electronic
Mine Evaluations - Surface and Underground

EXHIBITORS

Main Office

23305 E Knox Ave
Liberty Lake, WA 99019 United States of America
Phone: (509) 927-2424
www.h2einc.com

H2O Innovation

Booth 1747

H2O Innovation is a complete water solutions company focused on providing best-in-class technologies and services to our customers. i) Water Technologies & Services (WTS) ii) Specialty Products (SP) and iii) Operations & Maintenance (O&M). Toray has extensive experience treating multiple types of tailings ponds with our Toray UF and Toray RO membranes. Toray's product portfolio consists of state-of-the-art cross-linked polyamide spiral-wound reverse osmosis and nanofiltration membrane elements (Toray RO and CSM™), pressurized and submerged PVDF hollow-fiber ultrafiltration membrane modules (Toray UF), and flat-sheet membrane bioreactor modules (Toray MBR).

Products & Services

Water Clarification and Treatment

Main Office

330 St-Vallier Est, suite 340
Quebec, QC G1K 9C5 Canada
Phone: (418) 688-0170
Email: info@h2oinnovation.com
www.h2oinnovation.com

Harris Exploration

Booth 1358

With operations both in the USA and Canada, we are one of North America's most versatile drilling contractors in the mining sector. We currently hold RC, Core, and Water Well licenses to operate in California, Nevada, Arizona, and Oregon. Whether it's exploration, geotechnical, environmental or geothermal, we have you covered from state to state, and across the 49th parallel. With 36 rigs in our fleet, we operate a wide variety of truck, track, and articulated buggy drills including diamond core, reverse circulation, sonic, mud/air rotary, dual rotary, and auger. At Harris Exploration, Safety is Our Core.

Products & Services

Drilling Contractors

Main Office

PO Box 5579, 19 Shecker Cutoff
Fallon, NV 89407 United States of America
Phone: (587) 999-0665
www.harrisexploration.com

Harrison Western Construction Corporation, Inc

Booth 1734

Harrison Western is an American owned and operated Heavy Civil, Tunneling and Mining Contractor, in operation since 1968. In that time, our firm has consistently delivered in some of the most complex, challenging environments, while prioritizing safety, performance and effectiveness. Our work includes development mining, portal construction, underground utilities, ventilation, drill & blast operations, ground support design and construction, grouting & shotcrete application, conventional shaft sinking, hoist infrastructure, crusher & conveyors, bulkheads, highwall stabilization, rockfall mitigation, and a variety of other surface and underground geotechnical services.

Products & Services

Construction - Contracting Services
Explosive Materials and Services
Grouting Services, Equipment and Materials
Mining Contractors
Reclamation Equipment and Services
Remediation
Roof - Ground Supports
Shotcrete Equipment, Supplies and Services
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

1208 Quail St
Lakewood, CO 80215 United States of America
Phone: (720) 552-0490
www.harrisonwestern.com

Hatch

Booth 1340

We embrace your visions as our own and partner with you to develop ideas that are smarter, more efficient, and innovative. Our global network of 10,000 professionals work on the world's toughest challenges, with experience spanning over 150 countries around the world in the metals, energy, and infrastructure sectors. Employee-owned and independent—free to bring our best thinking to your business. Our exceptional, diverse teams combine vast engineering and business knowledge, working in partnership with our clients to develop market strategies, manage and optimize production, develop new game-changing technologies, and design and deliver complex capital projects.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Maintenance Services
Mine Evaluations - Surface and Underground
Mining Contractors
Training Services
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

170 S Main St, Ste 510
Salt Lake City, UT 84101 United States of America
Phone: (385) 500-3226
www.hatch.com

HAVER & BOECKER



NIAGARA

Haver & Boecker Niagara

Booth 2141

Haver & Boecker Niagara is a leading provider in screening, pelletizing and mineral processing plants and systems. The company's mission is to deliver the best of these technologies to customers in the mining, minerals, aggregates, cement, building products, fertilizer and salt industries.

Products & Services

Dewatering Equipment
Grizzlies - Feeding, Moving and Stationary
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Screens
Sensors
Urethane Cast Parts
Washing Plants

Main Office

225 Ontario St
St Catharines, ON L2R 7B6 Canada
Phone: (905) 688-2644
Email: info@haverniagara.ca
www.haverniagara.com

Hawk Measurement

Booth 1636

Hawk Measurement Systems (HAWK) delivers cutting-edge measurement solutions tailored to the mining industry. With over 30 years of expertise, HAWK specializes in reliable, accurate technologies for challenging mining applications, including level, positioning, flow, and asset monitoring systems. Renowned for groundbreaking innovations like Acoustic Wave and Radar sensing, HAWK's solutions optimize efficiency and safety in mineral processing and bulk material handling. Headquartered in Melbourne, Australia, with a USA facility in Medina, Ohio, HAWK is a trusted partner for the mining sector, offering unparalleled performance, easy installation, and award-winning support.

Products & Services

Bins, Hoppers, Silos and Storage
Conveyor Belting - Accessories and Equipment
Flotation Machines and Equipment
Liquid Level Indicators and Switches
Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments
Sensors

Main Office

5010 Gateway Dr, Ste 100B
Medina, OH 44256 United States of America
Phone: (888) 429-5538
www.hawkmeasurement.com

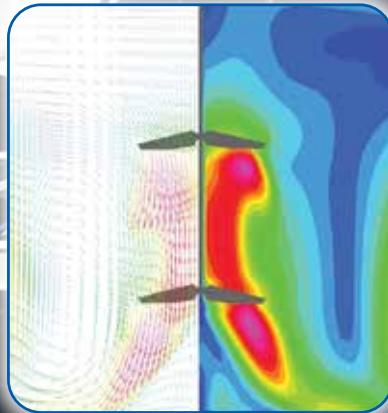




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EXHIBITORS

Hayes Automation

Booth 634

Products & Services

Safety Equipment

Main Office

8335 Hidden Crossing Lane
Las Vegas, NV 89129 United States of America
Phone: (619) 889-2562
www.hayesautomation.com



Hayward Gordon Group

Booth 1335

Over 60 years of partnering with our clients have given us unparalleled technical expertise for your applications. EBARA HG designs, develops, and delivers durable, reliable Hayward Gordon pumps and mixers and Sharpe Mixers ideal for the mining industry. Our pumps effortlessly move thick, heavy slurries and withstand corrosive and toxic chemicals. Our mixers and agitator systems efficiently help separate metal from ore and handle backfill and wastewater.

EBARA HG is a subsidiary of the EBARA Corporation. Founded in 1912, EBARA Corporation is recognized as a world leader in the design, development, and manufacture of industrial machinery.

Products & Services

Aerators
Agitators, Vibrators and Mixers
Blending Systems
Centrifuges
Flotation Machines and Equipment
Gears - Pullers, Reducers and Pinions
Hydraulic System Components
Pumps
Seals
Solvents - Extraction, Mixer and Settlers

Main Office

5 Brigden Gate
Halton Hills, ON L7G 0A3 Canada
Phone: (905) 693-8595
Email: info@ebarahg.com
www.ebarahg.com

Hazen Research

Booth 203

Innovative R&D services for the mineral, energy, environmental, and chemical industries.

Products & Services

Consulting - Design and Planning
Consulting - Research
Laboratory and Scientific Services
Pyrometallurgical Processing

Main Office

4601 Indiana St
Golden, CO 80403 United States of America
Phone: (303) 279-4501
Email: hazenmarketing@hazenresearch.com
www.hazenresearch.com

HCC Group

Booth 1036

HCC Mining and Demolition Inc. is a wholly owned subsidiary of HCC Group based in Saskatoon, Saskatchewan. Incorporated over 24 years ago, HCC is one of the largest underground contractors in Saskatchewan's mining operations. We are proud to be 58.5% Indigenous-owned in partnership with Misty Ventures Inc., the economic development arm of Mistawasis Nêhiyawak First Nation.

Products & Services

Construction - Contracting Services
Continuous Mining Machines
Excavators
Explosive Materials and Services
Mining Contractors
Safety Awards
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

2615 Wentz Avenue
Saskatoon, SK S7K 5J1 Canada
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www.hcc.ca

Heat Tech Industrial

Booth 1802

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Coatings (does not include Linings and Claddings)

Main Office

5792 Ideal Dr., Unit 100
Frederick, CO 80516 United States of America
Phone: (720) 281-8509
www.myhti.com/

Heath & Sherwood (1964) Limited

Booth 209

In 2023 Heath & Sherwood was acquired by Consep PTY Limited based in Sydney Australia. In 2023, Consep also acquired Sisetec Screens based in Canton, Ohio, and Harrison Cooper Sampling Systems based in Salt Lake City. Products include Automatic Sampling Stations, Sisetec Screens, the Acacia Intensive Leach Reactor, Rod Chargers for Rod Mills and Tuyere Line equipment used in Cu & Ni Smelters.

Products & Services

Pyrometallurgical Processing
Sampling Devices
Screens

Main Office

PO Box 340
512 Government Rd W
Kirkland Lake, ON P2N3J2 Canada
Phone: (705) 567-5313
Email: sales@heathandsherwood.com
www.heathandsherwood64.com

HEICO Fastening Systems

Booth 733

HEICO is a 120-year-old, family-owned cold-forming fastener manufacturer that produces HEICO-LOCK® wedge lock washers and HEICO-TEC® mechanical tensioners for critical bolted joints commonly found throughout the mining industry in both machinery and moving stock. We firmly believe that the most expensive bolted joint is the one that fails! Our engineering, quality manufacturing processes and customer service can help your organization prevent issues with any bolted joint. In the US we are based in Hickory, NC with sales engineers throughout North America.

Products & Services

Continuous Mining Machines
Crushers and Pulverizers
Drilling Equipment
Excavators
Fasteners - Industrial
Grinding Mills
Parts - Mining Machinery
Pumps
Safety Equipment
Tunnel Boring Equipment

Main Office

PO Box 2905
Hickory, NC 28603 United States of America
Phone: (828) 261-0184
www.heico-lock.us



Hepburn Engineering Inc

Booth 1801

Hepburn Engineering designs and supplies complete mine hoisting systems with fully integrated electrical controls, digital drives, including our state of the art Hepburn Hoist Manager software and digital safety monitors. Our mechanical hoist designs range from shaft sinking up to the largest production requirements: single and double drum, Blair and friction (Koepe) hoisting plants. HEI provides efficient and robust designs and fully integrated hoisting solutions with single source responsibility. Additional services include the design and supply of stage winches, sheaves, automated weighing systems, new braking systems, hoist rebuilding & electrical refits including drives, motors and hoist operator consoles.

Products & Services

Controls - Electrical and Electronic
Controls - Hydraulic and Pneumatic
Hoists - Controls and Accessories
Hydraulic System Components



Main Office

73 Six Point Rd
Toronto, ON M8Z 2X3 Canada
Phone: (416) 638-4425
Email: sales@hepeng.com
www.hepeng.com

Herding Filtration LLC**Booth 540**

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Products & Services

Dust and Fume Control Technology

Main Office

1391 Wheaton Dr, Ste 100
Troy, MI 48063 United States of America
Phone: (248) 673-4514
www.herding.us

HERRENKNECHT**Tunnelling Systems****Herrenknecht Tunneling Systems****Booth 1219**

Herrenknecht is a technology and market leader in the area of mechanized tunnelling systems. As the only company worldwide, Herrenknecht delivers cutting-edge tunnel boring machines for all ground conditions and in all diameters – ranging from 0.10 to 19 meters. Herrenknecht develops innovative technical solutions to sink vertical shafts down to great depths as well as to successfully excavate sloping shafts. The company also produces state-of-the-art deep drilling rigs that drill down to depths of 8,000 meters.

Products & Services

Boring Equipment
Conveyor Systems
Drilling Equipment
Tunnel Boring Equipment

Main Office

1613 132nd Ave E, Ste 200
Sumner, WA 98390 United States of America
Phone: (253) 447-2300
Email: mining@herrenknecht.com
www.herrenknecht.com

Hevi**Booth 750**

Hevi is an AI platform that makes it easy for project teams to properly administer contracts

Products & Services

Computer - Software and Services

Main Office

81-83 Campbell Street
Surry Hills 2010 Australia
Phone: 0417274116
www.hevi.app/

HEXAGON**Booth 1105**

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are a life-of-mine technology partner with a uniquely comprehensive approach to helping mines achieve operational excellence: Our integrated, data-driven solutions help eliminate the need for disparate products across the workflows within planning, fleet management, monitoring, safety and beyond. With



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ENGINEERING INC

Mine Hoist Systems



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EXHIBITORS

Hexagon, mines gain a trusted partner backed by over 50 years of expertise who remains focused on an autonomous future both above and underground. Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,500 employees in 50 countries and net sales of approximately 5.8bn USD. Learn more

Products & Services

Autonomous Vehicles
Blasting Accessories, Equipment and Agents
Computer - Software and Services
Consulting - Design and Planning
Drilling Equipment
Explosive Materials and Services
Flotation Machines and Equipment
Measurement and Monitoring Systems
Safety Equipment
Underground Excavation Services and Equipment

Main Office

40 E Congress St, Ste 150
Tucson, AZ 85701 United States of America
Phone: (520) 795-3891
Email: events.min@hexagon.com
www.hexagon.com/mining

Hexion Inc

Booth 126

For more than 100 years, Hexion has been advancing specialty chemicals and performance materials. We offer specialty products and innovation for mining and other industries, with a breadth of offerings for all customer challenges. Our mining solutions focus on site productivity to elevate overall performance and help you meet your sustainability standards.

Products & Services

Ion Exchange Equipment and Resins
Reagents - Chemical and Flocculants

Main Office

180 E Broad St
Columbus, OH 43215 United States of America
Phone: (614) 284-7358
www.hexion.com/

Hilfiker Retaining Walls

Booth 1505

Hilfiker Retaining Walls is a fourth-generation, family-owned business operating in Eureka, California since 1902, and produces a full line of high quality retaining wall systems that have been utilized in projects worldwide. The Welded Wire Wall system is the industry leader for wire-faced MSE walls, used for crusher or truck dump applications and haul road support, regardless of height and loading. Spiralnails are the latest innovations and used to extend the life of existing structures, accommodate emergency situations, construction shoring, and foundation improvement. The company also offers engineering services and on-site technical assistance to aid in construction.

Products & Services

Consulting - Design and Planning
Conveyor Systems
Geological-Physical-Technical Services and Equip
Rail Systems and Supplies
Temporary Structures
Trucks and Haulage Units
Underground - Construction and Structures

Main Office

1902 Hilfiker Ln
Eureka, CA 95503 United States of America
Phone: (800) 762-8962
www.hilfiker.com

Hilliard Brake Systems

Booth 1239

Founded in 1905, The Hilliard Corp. has evolved from a one-product business into a special applications engineering company serving customers worldwide. Independently owned for four generations, the company has grown and prospered for nearly a century. Hilliard offers a broad line of motion control products including caliper brakes for conveyors, brake systems for draglines, as well as the New Brake Boss brake control system. Additionally, it manufactures filtration systems, reclaiming equipment, and cartridges under the Hilco brand name. Hilliard products are designed, manufactured, and sold according to the customers' applications. Hilliard Braking Systems, Made in America, Built for the World.

Products & Services

Brakes - Dynamic, Friction Disk - Block, Magnetic
Clutches - Fluid, Friction and Magnetic
Conveyor Systems
Draglines
Dryers
Filters, Filter Cloth and Accessories
Grinding Mills
Maintenance Equipment and Supplies
Separators and Concentrators

Main Office

100 W Fourth St
Elmira, NY 14901 United States of America
Phone: (607) 733-7121
Email: sales@hilliardcorp.com
www.hilliardcorp.com

Hoffman Manufacturing, Inc

Booth 224

HMFG manufactures versatile Mine Door & Bulkhead Systems for mining companies, contractors, & engineering firms around the world. Superior quality, robust design elements, and integrated safety features make our Mine Door & Bulkhead Systems Better, Stronger, & Safer than any others on the market. Additionally, HMFG provides design/build fabrication solutions with industry leading quality & lead times. All of our products are designed and manufactured in-house in the USA!

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Controls - Hydraulic and Pneumatic
Conveyor Systems
Fans and Blowers
Hydraulic System Components
Mining Contractors
Underground - Construction and Structures
Ventilation Systems, Materials and Equipment

Main Office

382477 Highway 95
Tensed, ID 83870 United States of America
Phone: (208) 686-2103
Email: info@hoffman-mfg.com
www.hoffman-mfg.com

Honeywell

Honeywell

Booth 1805

Empower your Smart Mining and Mineral Operations. In Honeywell we keep working on providing solutions for digital transformation of operations, including a mix of software products and enabling services that help mining and mineral companies use operational data to drive insights that improve processes and empower workers.

Honeywell's next-generation digital solutions help increase mineral recovery and consistent quality, maintain process stability, uptime, improve safety and increase profitability. A holistic, integrated data-driven approach alleviates challenges caused by siloed solutions. Even ancillary operations involving utilities and water management and treatment can benefit from a smarter, more digitalized framework.

Products & Services

Analyzers
Automation
Computer - Software and Services
Information Technology Products
Measurement and Monitoring Systems
Process Controls and Instruments
Pumps
Sensors

Main Office

345 Inverness Dr South
Englewood, CO 80112 United States of America
Phone: (970) 889-1561
hwll.co/intelligentmining

Horne Conveyance Safety US Inc.

Booth 1362

Engineered Safety Solutions in Mine Hoisting. Horne Conveyance Safety is a world leader in cage and skip chairing and in impact energy absorption. Levelok chairing systems overcome rope-stretch problems when hoisting heavy materials and ore in underground mines. The Emergency Fall Arrest System (E-FAS) provides safe deceleration in the event of an uncontrolled fall of a cage (safety dog). Technogrid systems arrest conveyances in over-wind conditions in a head frame, or counterweights on belt conveyors, and other areas where unexpected impact absorption is needed. GoPro Guide Rollers provide a more stable ride of conveyances extending guide roller life.

Products & Services

Conveyor Belting - Accessories and Equipment

Main Office

840 19th Street
Vero Beach, FL 32960 United States of America
Phone: 1 888 310 9990
Email: info@horneecs.com
www.horneecs.com



Hose Solutions Inc

Booth 1848

Products & Services

Dewatering Equipment
Hoses - Valves and Fittings
Pipes

Main Office

9419 E San Salvador Dr, #104
Scottsdale, AZ 85258 United States of America
Phone: (480) 607-1507
www.HoseSolutions.com

Howden Canada Inc

Booth 1923

For more than a century, Howden has supplied ventilation fans and equipment to every major mining company in the world. Today, Howden's Total Mine Ventilation Solutions (TMVS) is a fully integrated approach to mine ventilation and air quality control. By reducing blast-clearing downtime, Howden can improve energy savings by up to 50%. Howden is able to provide all necessary equipment, services, and Ventsim solutions mine sites require in a fully customizable and integrated product offering: Main and Auxiliary Fans, Mine Heaters, Mine Cooling, VOD, and Turnkey solutions.

Products & Services

Automation
Computer - Software and Services
Construction - Contracting Services
Consulting - Engineering
Controls - Electrical and Electronic
Coolers
Environmental Control Equipment and Supplies
Fans and Blowers
Sensors
Ventilation Systems, Materials and Equipment

Main Office

1381 Rue Hocquart
Saint-Bruno-de-Montarville, QC J3V 6B5 Canada
Phone: (450) 500-5947
www.chartindustries.com/Products/Mine-Safety

HUESKER Inc

Booth 1714

HUESKER is a global leader in geosynthetics engineering, providing innovative solutions to the mining sector. With a comprehensive product line of geogrids, geocomposites, and geotextiles, these geosynthetics are engineered to maximize safety, production, and sustainability for mine operators worldwide. Specially designed for underground coal mining applications, HUESKER Minegrid® was developed to achieve more efficient longwall recoveries with stronger and more workable grids for rib- and roof mesh and high-wall support. HUESKER also provides solutions for soil reinforcement with Stablenka® woven geotextiles and Fortrac® Geogrids; dewatering and stabilization with geotextile tubes as Soiltain® or Environmental Remediation with Tektoseal® active geocomposites.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental

Dewatering Equipment
Longwall Mining Equipment
Roof - Ground Supports

Main Office

3071 Arco Corporate Dr
Charlotte, NC 28273 United States of America
Phone: (704) 588-5500
www.HUESKER.us

HUNAN KINGCERA ENGINEERING CO.,LTD

Booth 2049

KINGCERA, since its establishment in 1993, has devoted itself in research and development and application of industrial wear resistance ceramic technology. As the largest enterprise engaged in the production of wear resistant ceramics, we focus on the production of wear resistance ceramics, wear-resistance ceramic lined pipings and wear resistant ceramic linings as well as wear resistant ceramic lined equipments used in the bulk materials handling applications. The products are widely used in the equipments suffering high abrasion in the field of thermal power, steel, smelting, cement, mining, chemical industry, and port and so on.

Products & Services

Linings and Claddings

Main Office

N0.18 East Twelve Road, Changsha Economic and Technological Development Zone
Changsha 410100 China
Phone: +86 (731) 84069187
Email: rachel@kingcera.com
www.kingcera.com/

Hydro Engineering Inc

Booth 333

Vehicle and equipment wash rack systems. Permanent and portable solutions to corrosion control issues.

Products & Services

Environmental Control Equipment and Supplies
Maintenance Equipment and Supplies
Pollution Control Equipment
Water Clarification and Treatment

Main Office

865 W 2600 S
Salt Lake City, UT 84119 United States of America
Phone: (801) 972-1181
www.hydroblaster.com

hydroGEOPHYSICS Inc

Booth 1527

HGI is an innovative, solutions oriented geophysical consulting and service provider to the environmental, engineering, groundwater, mining, oil & gas, and natural resource exploration industries. We specialize in the application of 3D geophysical methods for time lapse subsurface characterization and monitoring of fluid flow through geological materials. Additionally, HGI is a leader in providing Leak Location and Leak Detection & Monitoring in geosynthetic lined ponds, landfills, and heap leaches using electrical methods.

Products & Services

Consulting - Engineering
Consulting - Environmental

Consulting - Research
Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Linings and Claddings

Main Office

3450 S Broadmont Dr, Ste 100
Tucson, AZ 85713 United States of America
Phone: (520) 647-3315
www.hgiworld.com/

HydroTech Mining

Booth 311

HydroTech Mining provides customized pumping solutions tailored to the specific needs of each mining project. Our services include: -Sales: Submersible pumps, pumping equipment, and spare parts. Our HydroTech pump range is renowned for its performance and durability. -After-Sales Service and Repairs: Our team ensures fast maintenance, guaranteeing optimal operation of your installations. Our pump exchange system allows clients to maintain their activities without interruptions. -Equipment Rentals: We offer rental equipment for short-term projects, providing flexibility and responsiveness. -Custom Projects: We design and implement systems tailored to the unique characteristics of each site, optimizing water

Products & Services

Consulting - Engineering
Dewatering Equipment
Maintenance Equipment and Supplies
Maintenance Services
Pumps
Valves
Water Clarification and Treatment

Main Office

297, 7e Rue
Val-d'Or, QC J9P 0G5 Canada
Phone: (819) 874-4499
Email: info@hydrotechmining.com
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Hyperflo

Booth 1761

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Products & Services

Fans and Blowers
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Main Office

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Rouyn-Noranda, Canada, QC J9Y0A3 Canada
Phone: (705) 822-6710
Email: sales@hyperflo.ca
www.hyperflo.ca

HYTORC, Division of UNEX Corp

Booth 640

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EXHIBITORS

steel mills and mining equipment to refineries, power plants, wind turbines, and transportation vehicles; we have developed solutions for every bolting application imaginable. For custom projects, our highly experienced engineering team is at your service to design the most efficient solution for your job with simple operation and economical pricing in mind.

Products & Services

Fasteners - Industrial
Maintenance Equipment and Supplies
Transportation

Main Office

333 Route 17 N
Mahwah, NJ 07430 United States of America
Phone: (201) 512-9500
Email: info@hytorc.com
www.hytorc.com

Iko Coletanche USA Inc

Booth 222

Coletanche BGM is a waterproofing composite geosynthetic lining system made with a long-fiber unwoven polyester geotextile as reinforcement, impregnated with an elastomeric bitumen compound that provides the waterproofing properties and ensuring the geomembrane's longevity by fully impregnating the geotextile. For over 40 years, Bituminous Geomembranes (BGM) has been a practical solution for protecting the environment in Mining, Hydroelectric, Irrigation, Oil and Gas and many other civil engineering applications.

Products & Services

Consulting - Engineering
Consulting - Environmental
Mining Contractors
Reclamation Equipment and Services
Remediation

Main Office

6 Denny Rd, Ste 200
Wilmington, DE 19809 United States of America
Phone: (470) 599-6766
www.coletanche.com

Immersive Technologies

Booth 1833

As a global technology leader in the mining industry, Immersive Technologies' mission is to increase your site's profitability by optimizing the safety and productivity of your operators through our workforce optimization strategy - aligning People, Process & Technology. With the largest deployment of mining simulators in surface and underground, a global customer base, industry endorsement, proven real results and engineering expertise, Immersive Technologies is the recognized and trusted leader in mining training solutions. We are the only worldwide equipment simulator supplier with a proven track record of delivering significant and measurable in pit cost reductions, productivity gains

Products & Services

Autonomous Vehicles
Draglines

Excavators

Information Technology Products
Loaders
Mine Evaluations - Surface and Underground
Mine Operators
Safety Equipment
Training Services
Trucks and Haulage Units

Main Office

1486 S Distribution Dr
Salt Lake City, UT 84104 United States of America
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Email: Enquiries@ImmersiveTechnologies.com
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IMO Pump

Booth 539

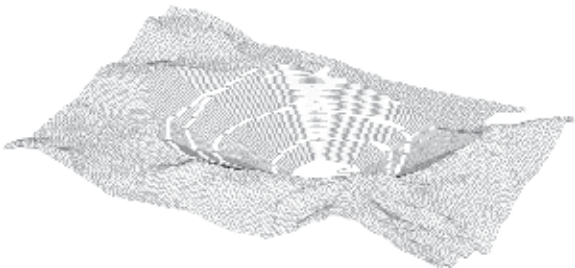
IMO Pump is a global leader in screw pump technology and reliable hydrocarbon fluid-handling. IMO pump products include two screw pumps for handling all manner of fluids that may contain air or gasses, three screw pumps and crescent internal gear pumps. Typical IMO 3-screw pump applications include: High pressure lube oil - up to 4,500 psig, Low pressure lube oil - 50 to 500 psig, Hydraulic systems, Machinery lubrication

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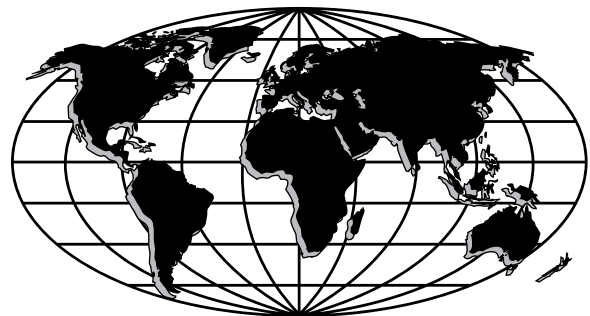
Pumps

INDEPENDENT MINING CONSULTANTS, INC.

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www.apewater.com



Independent Mining Consultants, Inc

Booth 1316

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Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Financial Services
Consulting - Management
Exploration Equipment and Services
Geological-Physical-Technical Services and Equip
Mine Evaluations - Surface and Underground
Mine Operators
Mining Contractors
Quality Improvement

Main Office

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www.imctucson.com

InduMar Products, Inc.

Booth 726

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Products & Services

Coatings (does not include Linings and Claddings)
Maintenance Equipment and Supplies
Mine Operators
Mining Contractors

Parts - Mining Machinery

Pipes
Pumps
Remediation
Steel Pipe
Underground Excavation Services and Equipment

Main Office

2230 W Governors Cir
Houston, TX 77092 United States of America
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Email: info@indumar.com
www.indumar.com

indurad

Booth 645

indurad has over 10 years of experience in mining. We implement automation and productivity solutions to increase safety and throughput capacity from mine to port. Our next generation radar-based solutions, perform in environments where other technologies fail (dust, fog, snow, rain, etc.). For example, we increase the productivity of crushers, conveyors, stockpiles, railcar loaders, shiploaders, stackers/reclaimers, and other complex material handling systems. We enhance operational safety with collision avoidance for large machines and personnel tracking around mobile equipment. All solutions are developed to withstand the harshest environments to enable operations to achieve their nameplate capacity with minimal intervention.

Products & Services

Automation
Bins, Hoppers, Silos and Storage
Conveyor Systems
Crushers and Pulverizers
Measurement and Monitoring Systems
Process Controls and Instruments
Safety Equipment
Scales
Screens
Sensors

Main Office

1200 McGill College Ave, Ste 1100
Montreal, QC H3B4G7 Canada
Phone: (617) 602-0961
www.indurad.com

Industrial Supply Company

Booth 205

Main Office

1635 S 300 W
Salt Lake City, UT 84115 United States of America
Phone: (800) 288-3838
www.indsupply.com

Industrial Systems Consulting

Booth 851

Industrial Systems Consulting (ISC), a Project Engineering and Construction Management consulting and personnel staffing firm providing solutions to a wide range of industries including Refining, Petrochemical, Power Generation, Mining, Upstream, and Midstream Oil & Gas Transportation.

Products & Services

Consulting - Engineering
Consulting - Management

Main Office

2001 Dewar Dr., Ste 280
Rock Springs, WY 82901 United States of America
Phone: (307) 871-3871
www.indsysconsulting.com

Information Alignment Pty Ltd

Booth 1637

Information alignment has been a major developer and supplier of software for the mining industry since the early 2000's. Recognised as a market leader in this key area of software for mining operations and our products are installed at operations across Australia, North America, South America, Africa and Asia and more recently licensed to Caterpillar globally as their reporting platform. We continue to invest heavily in research and development activities, to meet new requirements in the mining and extractive industries including functionality to support autonomous haulage, autonomous drilling, underground fleet systems, Processing Plant data flow and geo-spatial intelligence and visualization.

Products & Services

Computer - Software and Services
Consulting - Management
Information Technology Products
Measurement and Monitoring Systems

Main Office

33 Allison St
Bowen Hills 4006 Australia
Phone: +61407227537
Email: sales@inapl.com
www.inapl.com

Instituto de Ingenieros de Minas del Peru (IIMP)

Booth 1547

The Peruvian Institute of Mining Engineers-IIMP, a private non-profit association created in 1943, that stands as one of the most important organizations of the Peruvian mining sector, building its success and prestige on the technical contribution offered throughout more than seven decades.

The IIMP integrates best mining professionals in order to meet the great challenges faced by the industry in an environment of constant changes and its key aim is to promote competitive and innovative development in/of the Peruvian mining sector. Organizes PERUMIN Mining Convention, the International Congress of Prospectors and Explorers-ProEXPLO, the Congress of Mining Competitiveness and Social Sustainability.

Products & Services

Educational

Main Office

Los Canarios 155 - 157, Urb San Cesar
La Molina
Lima Lima-12 Peru
Phone: (511) 313-4160
www.iimp.org.pe/



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Fletcher takes pride in being an industry leader of designing, engineering, and manufacturing custom mining equipment for underground applications. With an unwavering commitment to innovation and excellence, Fletcher has set the gold standard in the mining sector. Through a combination of innovative technology, meticulous craftsmanship, and a deep understanding of the mining industry, Fletcher continues to redefine the landscape of underground mining equipment. Fletcher is not just known for their advanced machinery but also for the company's dedication to safer mining practices.



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Integrated Power Services

Booth 524

IPS provides single-source capabilities and expert service for electric motors, generators, rotating equipment, and power distribution systems used in surface and underground mining, as well as aggregates. With decades of experience, our skilled technicians and engineers ensure compliance with MSHA and OEM standards, delivering reliable in-shop repairs and field services tailored to the unique demands of mining operations.

Products & Services

Electric Motors and Generators
Maintenance Services
Pumps

Main Office

250 Executive Center Dr.
Suite 201
Greenville, SC 29615 United States of America
Phone: (864) 451-4500
Email: Communications@ips.us
www.ips.us

Intermountain Technologies

Booth 447

Advanced Technology Solutions for Industrial Excellence. Enhancing Safety, Connectivity, and Production for Heavy Industries.

Main Office

4899 West 2100 South
Salt Lake City, UT 84120 United States of America
Phone: (801) 716-7777
www.imtechnologies.com

International Metallurgical Consultants

Booth 1462

Leading Peruvian company in mining training, international technical conferences and specialized trade shows. For 14 years we have been promoting mining talent and effective meetings between mining operators and technology providers through our high-level events. We have carried out 190 courses, 24 Conferences on relevant topics such as Flotation, Grinding, Tailings, Leaching, Mining 5.0, Sampling and Reconciliation and we are organizers of ExpoCobre 2024, Il Copper Conference and World Mining Trade Show to be held in Lima, from 28 to 31 October 2024, bringing together the entire industry value chain.

Main Office

Avenida Mariscal Ramon Castilla 889, Surco
Lima 15023 Peru
Phone: +51 987 975 959

International Mining

Booth 1939

International Mining (IM) is the leading global technical publication for mining industry technology and equipment management. It covers the full spectrum of the world's extractive industries, from exploration through mining and processing to metallurgy and the finished products. It covers the techniques and technologies required to recover all metals, coal, diamonds and industrial minerals. With this technical focus it brings read-

ers important news of new technologies, methods and thinking. The magazine also provides a global overview of which mining company - large or small - is doing what and where.

Products & Services

Publishers

Main Office

2 Claridge Ct, Lower Kings Rd
Berkhamsted HP4 2AF United Kingdom
Phone: +44 144 287 0829
www.im-mining.com

IPI Packers

Booth 739

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Products & Services

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Geological-Physical-Technical Services and Equip
Grouting Services, Equipment and Materials
Inflatable and Mechanical Packers
Underground - Construction and Structures
Well Completion Equipment

Main Office

18 Pepsi Dr
Red Lodge, MT 59068 United States of America
Phone: (406) 446-9940
www.ipipackers.com

Iracore/Irathane Systems Inc

Booth 1115

Leading the custom Wear Materials Industry since 1957, Iracore International LLC has been designing, manufacturing and providing custom wear materials to solve abrasion and corrosion issues. Across the markets we serve, our clients get more from their assets. They are realizing the results of better reliability and significantly increasing their equipment lifecycle. Field-Proven Results: The 3+ million feet of pipe installed with Iracore linings, custom rubber projects, and hundreds of thousands of molded and cast parts have been proven across the globe. Our up-time rate stands at more than 99.99%, and we have had no major warranty claims.

Products & Services

Classifiers
Flotation Machines and Equipment
Pipes
Pumps
Screens
Urethane Cast Parts

Main Office

3516 E 13th Ave
Hibbing, MN 55746 United States of America
Phone: (218) 969-4411
www.iracore.com

Irwin Car and Equipment

Booth 1938

Irwin Car and Equipment is the heavy-duty material handling equipment leader, known around the world for delivering exceptional quality and customized precision in the metals, mining, tunneling, energy, transportation and industrial industries. Our corporate offices, machine shops, production facilities, warehouses, and distribution arms span up and down the east coast in into the mid-west. We also have exclusive distribution partners in Alabama, Utah, and Wyoming. With over 120 years in business, there is nothing we haven't seen.

Products & Services

Air Compressors
Bins, Hoppers, Silos and Storage
Conveyor Belting - Accessories and Equipment
Diesel Mining Equipment Manufacturers
Fans and Blowers
Filters, Filter Cloth and Accessories
Gears - Pullers, Reducers and Pinions
Parts - Mining Machinery

Main Office

9953 Broadway St
Irwin, PA 15642 United States of America
Phone: (724) 515-2406
www.irwincar.com

ISCO Industries, Inc

Booth 1707

Products & Services

Pipes
Pumps
Welding Equipment and Supplies

Main Office

100 Witherspoon St 2W
Louisville, KY 40202 United States of America
Phone: (800) 345-4726
www.isco-pipe.com

Ishigaki USA Ltd

Booth 2240

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Products & Services

Filters, Filter Cloth and Accessories
Parts - Mining Machinery

Main Office

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Booth 1126

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Products & Services

Automation
Backfilling
Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Consulting - Research
Dewatering Equipment
Mine Evaluations - Surface and Underground

Main Office

111 3rd Avenue S, Ste 450
Minneapolis, MN 55401 United States of America
Phone: (612) 371-4711
Email: sales@itascasoftware.com
www.itascainternational.com



IWT

Booth 1531

Innovative Wireless Technologies (IWT) is an industry leader in underground wireless networks. Our systems are comprised of integrated components working together to build an overall network that is not only dependable, but increases safety, efficiency and productivity. NEW at MINExchange will be our Guardian™ Proximity System featuring game-changing detection technology, and the all new WGM+ which provides both wireless gas sensing and communications in one device. Communications, tracking, data, sensors, tailings management, wireless gas monitoring and more – stop by the Leaders in Wireless to see how we can help your mine improve safety and productivity.

Products & Services

Communications Equipment
Environmental Control Equipment and Supplies
Measurement and Monitoring Systems
Safety Equipment

Main Office

1100 Main St
Lynchburg, VA 24504 United States of America
Phone: (434) 316-5230
www.iwtwireless.com

J. Rettenmaier USA LP

Booth 1647

J. Rettenmaier is the global leader in natural fibers production servicing a broad range of industries with an extensive product portfolio. JRS manufactures a variety of filtration media from natural renewable raw materials for the mining and lithium processing industries. Cellulose filter aids are used in place of diatomaceous earth and perlite to optimize cake filtration systems on a wide variety of filter systems. Our products are specifically designed to improve filtration performance, extend filter cycle times, reduce maintenance requirements, and cellulose aids impart less ionic contamination to the process.

Products & Services

Filters, Filter Cloth and Accessories

Main Office

16369 US 131 Highway
Schoolcraft, MI 49087 United States of America
Phone: (269) 679-2340
www.jrsusa.com



J.H. Fletcher & Co

Booth 533

Since 1937, Fletcher has been engineering and manufacturing custom solutions for underground mining. Today, Fletcher products expand into a variety of industries. Through the decades, Fletcher has operated with a singular vision: to work with a vigilant focus on finding ways to improve mining and industrial processes and reducing risk for the people who work in those industries.

Products & Services

Diesel Mining Equipment Manufacturers
Drilling Equipment
Longwall Mining Equipment
Roof - Ground Supports
Shortwall Mining Equipment
Training Services

Main Office

402 High St
Huntington, WV 25705 United States of America
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Email: sales@jhffletcher.com
www.jhffletcher.com

J.Lanfranco Fasteners Inc.

Booth 704

A family-owned business, J.Lanfranco locknuts have been trusted by mining operators for the past 50 years. The single piece all-metal design resists vibration, shock, and corrosion. Capable of being installed on standard bolts using standard tools, our locknuts will not damage bolts or succumb to seized nuts – even under the most extreme mining environments.

Products & Services

Fasteners - Industrial

Main Office

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Jacobi Group

Booth 606

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Products & Services

Ion Exchange Equipment and Resins
Remediation
Water Clarification and Treatment

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JADCO Manufacturing Inc

Booth 509

JADCO Manufacturing, Inc., an ISO certified, leading provider of proven wear protection to combat even the toughest impact and abrasion challenges. Since 1980, JADCO continues to deliver unmatched technical expertise, quality, and customer service. JADCO offers an unparalleled array of wear-fighting products, particularly wear steel, to optimize a user's operations with brands including QT-PLUS® and CHROMEWELD. Our QT-PLUS® wear steel outlasts commodity AR400 wear steel 3-5 times. While our CHROMEWELD, chromium-carbide overlay plate (offered in multiple chemistries), stands up to the toughest abrasion wear conditions.

Products & Services

Bins, Hoppers, Silos and Storage
Castings
Crushers and Pulverizers
Feeder Breakers
Feeders
Linings and Claddings
Pipes
Screens
Steel Pipe
Welding Equipment and Supplies

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JBW Consulting Engineers

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Kalenborn
Wear Protection Solutions

Strengthening Mining Operations **One Solution** at a Time

Kalenborn delivers quality durable products and expert services, while working closely with your team to provide custom wear and corrosion solutions to ensure equipment efficiency and long-term reliability.

Stop by our booth (1639) at the 2025 SME Annual Conference and Expo.



(800) 348-0717



kalenborn.us



info@abresist.com



EXHIBITORS

Industrial, Energy, and Infrastructure partners. Our engineering staff members have decades of experience in mining and industrial process design. JBW provides mechanical, structural, civil, electrical/controls, and process engineering disciplines to our clients. Our staff removes your barriers by focusing on your problems and including all project stakeholders in the solution.

Products & Services

Consulting - Engineering
Dust and Fume Control Technology

Main Office

4140 Richard Ave, Ste 650
Duluth, MN 55811 United States of America
Phone: (218) 491-6059
Email: info@jbwconsult.com
www.jbwconsult.com

Jenike & Johanson

Booth 935

Jenike & Johanson is the world's leading company in powder and bulk solids handling, processing, and storage technology. Over the past 57+ years, we've tested over 19,000 unique powders and bulk solids. We have a combined team experience of nearly 1,000 person-years in the field, and worked on more than 9,000 projects, giving our team the broadest real-world and in-depth experience in the industry to address a wide variety of bulk material handling and engineering needs.

Products & Services

Bins, Hoppers, Silos and Storage
Blending Systems
Consulting - Design and Planning
Consulting - Engineering
Conveyor Systems
Educational
Feeders
Laboratory and Scientific Services
Training Services

Main Office

400 Business Park Dr
Tyngsboro, MA 01879 United States of America
Phone: (978) 649-3300
Email: info@jenike.com
www.jenike.com



JENNMAR

Booth 1007

We are diversified manufacturer and services provider for above and below ground infrastructure that sets the standards in terms of quality and safety for our stakeholders. Our mission is total customer support and satisfaction. Our portfolio of brands are rebuilding America's infrastructure. Because we understand the ever changing and demanding conditions above and below ground we have built the richest portfolio of diverse and complementary brands. From engineering to

resin manufacturing, rolled-steel and drill-steel manufacturing, custom steel fabrication, precision wear parts, tools and bits, chemical roof support and sealing products, staffing solutions, transportation and more.

Products & Services

Conveyor Systems
Hydraulic System Components
Inflatable and Mechanical Packers
Longwall Mining Equipment
Pumps
Rail Systems and Supplies
Roof - Ground Supports
Seals
Shotcrete Equipment, Supplies and Services
Ventilation Systems, Materials and Equipment

Main Office

258 Kappa Dr
Pittsburgh, PA 15238 United States of America
Phone: (412) 963-9071
www.jennmar.com

JHL Constructors

Booth 439

JHL Constructors is a 100% employee-owned builder with over 35 years in business. We are a fully integrated, Colorado-based and Colorado-focused construction firm, serving our clients in the markets of Infrastructure and Vertical Building. Within Infrastructure, JHL's Mining work program specializes in: Reclamation, Expansion, Decommissioning, and Environmental Controls.

Products & Services

Construction - Contracting Services
Mining Contractors

Main Office

9100 E Panorama Dr, Ste 300
Englewood, CO 80112 United States of America
Phone: (303) 550-1983
www.jhlconstructors.com

Joest Inc

Booth 929

Joest Inc, a US company, is part of the Germany headquartered Joest Global group, an OEM with 100+ years' experience with the design, manufacturing and deploying of vibratory screens, feeders, conveyors, fluidized bed dryers/coolers. Joest provides precision engineered reliability centric robust machines that are engineered, manufactured and factory tested in for example the USA or Australia depending on the project location.

Products & Services

Agitators, Vibrators and Mixers
Classifiers
Dewatering Equipment
Drives - Magnetic and Variable
Dryers
Feeders
Gravity Separators
Grizzlies - Feeding, Moving and Stationary
Screens
Separators and Concentrators

Main Office

800 Roosevelt Rd, Unit C300
Glen Ellyn, IL 60137 United States of America
Phone: (630) 469-0900

www.joest-us.com

Johnson Industries Ltd

Booth 1745

Johnson designs and manufactures a range hydraulic, pneumatic, spring set and manually applied caliper and drum brakes systems for use on hoists, conveyors, SAG and Ball Mills, ship loaders, and other rotating equipment. Johnson also produces electro-magnetic and electro-hydraulic thruster drum and disc brakes, which are in service around the world on cranes, hoists, and other material handling and power transmission equipment. We also designs and manufactures storm brakes and systems, including; automatic and manual rail clamps, rail brakes, and wheel clamps for use on cranes, stacker-reclaimers, trippers, and other rail mounted equipment.

Products & Services

Brakes - Dynamic, Friction Disk - Block, Magnetic Controls - Hydraulic and Pneumatic
Hydraulic System Components

Main Office

6500 Dennett Pl
Delta, BC V4G 1N4 Canada
Phone: (604) 940-4555
www.brakes.ca

Johnson Screens

Booth 402

Mineral processors have discovered dramatic cost-per-ton reductions using Johnson Screens' products in particle separating, reducing, sizing, washing, and dewatering processes. These screening products are standards for processing coal, gold, lithium, phosphate, copper, bauxite, and gravel processes. Johnson Screens also provides guidance and support to ensure the customer's specification is met.

Products & Services

Filters, Filter Cloth and Accessories

Main Office

1950 Old Hwy 8 NW
New Brighton, MN 55112 United States of America
Phone: (651) 636-3900
www.johnsonscreens.com

Jord International

Booth 100

"Ideas Engineered", Jord's mantra for more than 50 years. Delivering performance, efficiency and sustainability to modern miners with disruptive minerals processing technologies. Eliminate tailings dams with Viper. The game-changing filtration technology producing low moisture filter cake for dry tailings disposal. Combining vibration and vacuum, Viper is a simple, scalable, continuous filtration machine that works smarter, not harder. Realize a step-change in mining and operate the next generation concentrator with NovaCell™. A novel flotation machine providing high recovery efficiencies for both coarse and fine valuable particles in one device. In brownfields, NovaCell™ delivers increased recovery, increased throughput and/or

Products & Services

Backfilling
Dewatering Equipment





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Visit us at MineXchange 2025!
Booth 1418

keller-na.com

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Groundwater control | Instrumentation & monitoring | Liquefaction mitigation
Releveling structures | Slope stabilization | Support of excavation
Underpinning | Design-build

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our geotechnical
solutions



go.keller-na.com/solutions

EXHIBITORS

Dust and Fume Control Technology
Filters, Filter Cloth and Accessories
Flotation Machines and Equipment
Furnaces - Industrial Process
Kilns
Scrubbers
Separators and Concentrators
Water Clarification and Treatment

Main Office

250 Fillmore St, Ste 150
Denver, CO 80206 United States of America
Phone: (720) 869-7610
www.jord.com.au

JT Thorpe Industrial, Inc.

Booth 423

JT THORPE, we specialize in providing top-notch soft-craft solutions including Fireproofing, Refractory, Scaffolding, Insulation and Coatings all tailored to meet the unique needs of various industries. With our extensive engineering expertise and professional project management philosophy, we ensure that every project is executed with precision and efficiency.

Products & Services

Coatings (does not include Linings and Claddings)
Fire Protection
Furnaces - Industrial Process
Linings and Claddings
Maintenance Services
Mining Contractors
Temporary Structures

Main Office

205 S 29th St
Phoenix, AZ 85034 United States of America
Phone: (480) 568-7007
Email: jason.ray@jthorpe.com
www.jthorpe.com

Juniper Systems

Booth 2245

Juniper Systems' total mining solution includes rugged tablets and handhelds, GNSS receivers, and user-friendly mapping software designed for your workflow. Going digital brings endless possibilities to the mining industry. Input metrics and geological information, easily communicate with stakeholders, and create detailed maps with Juniper's total solution. Bring your office wherever you need to go with rock solid, field ready results.

Products & Services

Aerial Mapping and Surveying
Blasting Accessories, Equipment and Agents
Boring Equipment
Communications Equipment
Computer - Hardware and Services
Computer - Software and Services
Exploration Equipment and Services
Geological-Physical-Technical Services and Equip
Information Technology Products
Surveying Equipment and Supplies

Main Office

1132 W 1700 N
Logan, UT 84321 United States of America
Phone: (435) 753-1881
www.junipersys.com

Just Refiners USA, Inc

Booth 1648

The total and complete solution for the treatment and processing of by-products generated by the mining community. Just Refiners excels in providing a service to the mining industry by receiving, preparing, sampling, and processing by-products. Here at Just Refiners USA, Inc., we take our customer service seriously and our objective is to surpass our customers' expectations. Our mission is to develop mutually long-lasting and dedicated relationships with our customers, which are beneficial to both parties. JRI has a current AML program in place to eliminate any risk of breaking the law.

Products & Services

Mining Contractors

Main Office

350 Greg St
Sparks, NV 89431 United States of America
Phone: (775) 331-1663
www.justrefiners.com



Kalenborn Abresist Corporation

Booth 1639

In the mining industry wear protection is crucial for enhancing the longevity and efficiency of equipment. Kalenborn specializes in providing durable, high-quality wear protection products for various stages of many production processes. Our wear-resistant materials, pipe systems, and customer-specific solutions ensure a comprehensive approach to maintaining the integrity of industrial plants and machinery. Our proven solutions allow our customers to know they have the best wear and corrosion solutions available. From raw material handling, crushing, grinding separation, floatation, classification, wastewater, product handling and tailings we have an engineered solution designed to extend the operating life over existing materials.

Products & Services

Bins, Hoppers, Silos and Storage
Coatings (does not include Linings and Claddings)
Construction - Contracting Services
Grouting Services, Equipment and Materials
Linings and Claddings
Maintenance Services
Pipes
Reduction Technologies - Iron Ore, Steel, Mineral
Scrubbers
Separators and Concentrators

Main Office

5541 N State Rd 13
Urbana, IN 46990 United States of America
Phone: (800) 348-0717
Email: inquiry@abresist.com
www.kalenborn.us

Kamengo

Booth 937

Kamengo specializes in the design and supply of storage bins and feeders for handling difficult flowing

sticky and cohesive bulk materials.

Products & Services

Bins, Hoppers, Silos and Storage
Feeders

Main Office

275 West 6th Ave
Vancouver, BC V5Y 1K7 Canada
Phone: (604) 2709995
www.kamengo.com



Keller

Booth 1418

Keller develops innovative, practical, and cost-effective solutions to geotechnical challenges including deep foundations, ground improvement, groundwater control, liquefaction mitigation, releveling structures, slope stabilization, support of excavation, underpinning, and instrumentation and monitoring. Keller is the largest geotechnical specialty contractor in the world with over 65 offices throughout the US and Canada.

Products & Services

Construction - Contracting Services
Drilling Contractors
Grouting Services, Equipment and Materials
Remediation
Underground - Construction and Structures

Main Office

7550 Teague Rd, Ste 300
Hanover, MD 21076 United States of America
Phone: (410) 551-8200
www.keller-na.com

Kemira

Booth 1900

Kemira is a global chemicals company serving customers in water-intensive industries. We are global leaders in Inorganic Coagulants. Our full product portfolio also includes polymers, organic coagulants, antiscalants, biocides, and defoamers. Kemira has been in business for over 100 years and has the technical expertise and field experience to support product selection and process optimization.

We have multiple manufacturing plants in the United States and Canada, with a reliable and cost-efficient supply chain throughout the Americas. We are currently developing a new portfolio of biobased, sustainable polymers.

Chemistry with a purpose. Better every day.

Products & Services

Sediment & Erosion Control
Thickeners
Water Clarification and Treatment

Main Office

200 Galleria Pkw, Suite 1500
Atlanta, GA 30339 United States of America
Phone: (678) 819-4693
Email: ingrid.skold@kemira.com
www.kemira.com





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EXHIBITORS

KETOS, Inc.

Booth 2238

Hardware & Software, Water Analytics

Products & Services

Information Technology Products
Welding Equipment and Supplies

Main Office

420 S Hillview Dr.
Milpitas, CA 95035 United States of America
Phone: (408) 550-2162
www.ketos.co

Keystone Valuations, LLC

Booth 1561

Keystone Valuations specializes in appraising unique and complex assets and providing our clients with accurate, credible valuations. When it comes to valuing subsurface mineral rights and assets, precision and deep industry knowledge are paramount. Executive Doug Kenny, MAI, is a Subject Matter Expert (SME) in subsurface mineral and special asset valuations, with a vast knowledge spanning the lifecycle of mineral assets, from exploration and production to decommissioning and environmental considerations. The team at Keystone Valuations are leaders in this niche sector, leveraging years of specialized experience to deliver trusted, data-driven appraisals for high-value, complex mineral assets across the United States.

Products & Services

Consulting - Financial Services
Consulting - Research
Mine Evaluations - Surface and Underground

Main Office

13560 Morris Road, Ste 4200
Alpharetta, GA 30004 United States of America
Phone: (770) 823-3816
keystonevaluations.com/

Kiewit

Booth 829

Since the 1980s, our skilled project teams have successfully built various mining, mineral processing and metals facilities, including expansion and upgrade projects at operating plants across North America. Today, our expert teams offer comprehensive solutions for every project stage, including feasibility, engineering, construction and commissioning services to ensure seamless project delivery. Our decades of experience in these markets have helped us refine our processes for developing reliable estimates and execution approaches. We achieve this by combining constructability knowledge with construction-driven engineering and world-class safety performance.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Management
Furnaces - Industrial Process
Mine Operators
Mining Contractors
Pyrometallurgical Processing
Reduction Technologies - Iron Ore, Steel, Mineral
Underground Excavation Services and Equipment

Main Office

10055 Trainstation Cir
Lone Tree, CO 80124 United States of America
Phone: (531) 241-1489
www.kiewit.com

King Fahd University

Booth 751

Academic Programs & plans relevant to Mining, Petroleum Engineering & Geosciences

Main Office

KFUPM B- 76
Dhahran 3261 Saudi Arabia
Phone: 966 504800348

Knight Piésold and Co

Booth 1314

Knight Piésold is an employee-owned, global consulting firm providing specialist services to businesses operating in the mining, power, water resources, and infrastructure industries. We are engineers, environmental scientists, geoscientists, and technologists, focusing on what we do best to create value for clients at every stage of a project.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Laboratory and Scientific Services
Remediation

Main Office

1999 Broadway, Ste 900
Denver, CO 80202 United States of America
Phone: (303) 629-8788
Email: Denver@knightpiesold.com
www.knightpiesold.com

Koeppern Group

Booth 934

Specializing in briquetting, compaction, and comminution, the Koeppern Group in the US consists of Kopperrn Equipment and Komarek which are owned by Maschinenfabrik Koeppern GmbH in Germany. With the combined force of these industry pioneers, we offer cutting-edge solutions to the chemical, mineral, metal, agricultural, waste, energy, recycling, cement, and mining industries, from small-scale pilot machines to large-scale production systems. At the forefront of briquetting and compaction for over a century, Komarek and Kopperrn Equipment operate out of Wood Dale, IL, where the main manufacturing and full-scale research and testing labs are located.

Products & Services

Briquetters
Compactors
Grinding Mills

Main Office

548 Clayton Ct
Wood Dale, IL 60191 United States of America
Phone: (847) 956-0060
www.koeppern-international.com



Komatsu

Booth 1539

Mining operations need trusted collaborative partners who deliver innovative insights and solutions that leverage automation and electrification while ensuring the freedom of interoperability on an open platform. Komatsu is here to partner with you to provide the equipment, technologies and services needed to help you reach your goals and position the mining industry to meet the world's need for minerals in increasingly sustainable ways. Learn how we can work with you to create lasting value for your operation by visiting our website.

Products & Services

Automation
Autonomous Vehicles
Continuous Mining Machines
Drilling Equipment
Excavators
Feeder Breakers
Loaders
Longwall Mining Equipment
Parts - Mining Machinery
Trucks and Haulage Units

Main Office

401 E Greenfield Ave
Milwaukee, WI 53204 United States of America
Phone: (414) 670-7802
www.komatsu.com

Kopper Chemical Industry Corp., Ltd.

Booth 1562

Kopper Chemical Industry Corp., Ltd. is an internationally renowned manufacturer of special surfactants, focusing on the research and development of copper metal, new energy battery metal extraction technology, mineral flotation technology, electrolytic electroplating acid mist treatment technology, etc.; It produces special surfactant products such as copper metal extractants, metal extractants for new energy batteries, mineral flotation agents and acid mist inhibitors.

Products & Services

Coatings (does not include Linings and Claddings)
Computer - Software and Services
Fasteners - Industrial
Hoses - Valves and Fittings
Pipes
Pumps
Pyrometallurgical Processing
Reagents - Chemical and Flocculants
Solvents - Extraction, Mixer and Settlers
Water Clarification and Treatment

Main Office

No.7 Hua Zhong Road, Changshou District, Chongqing, China
ChongQing 401221 China
Phone: +8615023383138
Email: Info@kopperchem.com
en.kopperchem.com/



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LIEBHERR

Liebherr USA, Co.



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EXHIBITORS

Kovai Drilling Applications

Booth 527

Products & Services

Drill Bits - Rock
Drilling Equipment

Main Office

2699 Interlude St
San Jose, CA 95122 United States of America
Phone: (408) 431-6000
kovaidrills.com/

KP Exploration

Booth 1437

Mineral exploration and water well drilling performed since 1997. KP Ventures is licensed in 8 states of the Southwestern US. We perform R/C drilling and sampling, dewatering well construction, in-situ injection & extraction well construction, vertical turbine pump installation and pump repair. We are based in Northern Arizona to cover the entire Southwestern US.

Products & Services

Drilling Contractors

Main Office

PO Box 2411
Cottonwood, AZ 86326 United States of America
Phone: (928) 639-1709
www.kpexploration.com

KPI Mining Solutions

Booth 1911

KPI Mining Solutions provides significant value by developing and commercializing cutting-edge software and services to the mining industry. Our suite of software solutions starts with KPI-COSMO Stochastic Mining Optimizer, the first stochastic and simultaneous optimization software for mineral value chains. Our solution optimizes production schedules, recovered reserves and increases the life-of-asset net present value (NPV) by up to 40%.

Products & Services

Computer - Software and Services
Consulting - Management
Training Services

Main Office

201-2600 Alfred Nobel
St-laurent, QC H4S 0A9 Canada
Phone: (514) 244-3981
kpinining.com/

Kraft Power Corp

Booth 2022

Kraft Power's Power Transmission Division has a diverse product offering including gear couplings, clutches & brakes, fluid couplings, precision motors, automation solutions, linear systems, engineered gear drives, power generation, VFDs, soft-starts and various mechanical and electrical components. We partner with world class manufacturers including Ameridrives, Bauer Gear Motor, Bibby Turboflex, Boston Gear, ESCO Couplings, Formsprag Clutch, Guardian Couplings, Industrial Clutch, Inertia Dynamics, Marland Clutch, Matrix, Nuttall Gear, Stieber, Stromag, Svendborg Brakes, TB

Wood's, Transfluid, Twiflex, VAR-SPE, Warner Electric, Wichita Clutch and WEG Motor and Controls.

Products & Services

Clutches - Fluid, Friction and Magnetic
Controls - Electrical and Electronic
Controls - Hydraulic and Pneumatic
Couplings - Mechanical, Flexible and Rigid
Drives - Belt, Chain, Fluid and Gear
Drives - Magnetic and Variable
Electric Motors and Generators
Gears - Pullers, Reducers and Pinions
Hydraulic System Components
Power Transmission Equipment

Main Office

1000B Northbrook Pkwy
Suwanee, GA 30024 United States of America
Phone: (800) 394-0078
www.kraftpower.com

Layne Christensen Co

Booth 240

Products & Services

Drilling Contractors
Exploration Equipment and Services
Geological-Physical-Technical Services and Equip
Grouting Services, Equipment and Materials
Pumps
Water Clarification and Treatment

Main Office

9303 new trails drive suite 200
The Woodlands, TX 77381 United States of America
Phone: (720) 392-3604
www.layne.com

Lechler, Inc

Booth 515

Lechler, Inc. is a global leader in precision spray technology, delivering innovative solutions tailored to the mining industry. With decades of expertise, we specialize in designing and manufacturing advanced spray nozzles and systems that optimize dust control, material washing, cooling, and chemical application processes. Our state-of-the-art technologies enhance operational efficiency, improve safety, and minimize environmental impact, ensuring compliance with industry regulations. Lechler partners with mining operations worldwide to address their unique challenges. Committed to quality and reliability, we empower clients to maximize productivity and sustainability in demanding environments.

Products & Services

Centrifuges
Kilns
Scrubbers
Ventilation Systems, Materials and Equipment

Main Office

445 Kautz Rd
St Charles, IL 60174 United States of America
Phone: 8007772926
Email: info@lechlerusa.com
www.lechlerusa.com

LIEBHERR

Liebherr

Booth 1439

Liebherr Mining offers a full line of products for the mining industry including mining excavators, trucks, and dozers, as well as personal assistance to customer specific projects and site requirements. Quality, reliability, and innovative technologies ensure that mining operations are safe and efficient at all times. Liebherr also offers aftermarket support for components and a remanufacturing program that enables customers to significantly reduce the total lifecycle cost of Liebherr mining equipment.

Products & Services

Autonomous Vehicles
Diesel Mining Equipment Manufacturers
Excavators
Maintenance Services
Mining Contractors
Parts - Mining Machinery
Trucks and Haulage Units

Main Office

5800 S Douglas Hwy
Gillette, WY 82718 United States of America
Phone: (307) 686-0948
Email: Cory.Wasson@Liebherr.com
www.liebherr.com

Linkan Engineering

Booth 1717

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Water Clarification and Treatment

Main Office

2720 Ruby Vista Dr, Ste 101
Elko, NV 89801 United States of America
Phone: (775) 777-8003
www.linkan.com

LOCTITE

Booth 1211

In demanding industries like mining, heavy-duty equipment typically puts a strain on machinery. LOCTITE® wear prevention coatings offer exceptional abrasion and impact resistance, minimizing downtime and ensuring uninterrupted operations.

Products & Services

Automation
Blasting Accessories, Equipment and Agents
Coatings (does not include Linings and Claddings)

Main Office

1 Henkel Way
Rocky Hill, CT 06067 United States of America
Phone: (860) 278-6544
www.next.henkel-adhesives.com



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Marmon Electrical
A Berkshire Hathaway Company

EXHIBITORS

LoopX

Booth 445

LoopX is a cutting-edge technology company specializing in AI and robotics solutions for the mining industry. Our innovative Situational Awareness System (SAS) enhances safety, productivity, and operational efficiency through advanced collision avoidance, situational awareness, and autonomous technologies. With a focus on underground and surface mining, LoopX combines state-of-the-art cameras, LiDAR, edge computing, and intelligent software to deliver real-time insights and proactive machine control. Deployed in multiple mines globally, our solutions address critical challenges, including accident prevention and efficiency optimization. Backed by strong industry partnerships and continuous innovation, LoopX is transforming mining operations to be smarter, safer, and more sustainable.

Products & Services

Automation
Autonomous Vehicles
Information Technology Products
Mine Operators
Safety Equipment
Sensors

Main Office

1545 Maley Dr
Sudbury, ON P3A 4R7 Canada
Phone: (226) 789-9260
www.loopx.ai/

Louisville Dryer Company

Booth 811

Louisville Dryer Company is the world-leading provider of high quality rotary processing equipment with over 100 years of experience in mechanical design, process design, manufacture, application, and service. Our engineering staff is qualified in a number of disciplines and has extensive practical application experience. LDC is a qualified ASME Division I design and manufacturing center. We have completed thousands of installations and pioneered many of the technologies applied to today's direct and indirect heat dryers, coolers, calciners, steam tube dryers, and water tube coolers. Materials processed include organic and inorganic chemicals, petrochemicals, grains, metals, aggregates, and waste

Products & Services

Coolers
Dryers
Kilns

Main Office

1100 Industrial Blvd
Louisville, KY 40219 United States of America
Phone: (502) 969-3163
www.LouisvilleDryer.com



Luff Industries Ltd

Booth 1729

Luff Industries manufactures quality conveyor components, including idlers with patented polymer end caps and pulleys with an industry leading rim thickness to an international market. Using Luff components, companies have been increasing the performance of their conveyor systems for over 45 years. Recognized for innovative products, quick turnaround times and industry leading warranty, Luff products can be found in a variety of heavy industrial material handling applications. These industries include aggregate, mining, forestry, original equipment manufacturers, construction and recycling. Luff manufactures one of the most complete product lines due to these different application requirements.

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems

Main Office

235010 Wrangler Rd
Rocky View, AB T1X 0K3 Canada
Phone: (403) 279-3555
Email: info@luffindustries.com
www.luffindustries.com

Maccaferri, Inc

Booth 1537

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Dredges
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control

Main Office

10303 Governor Lane Blvd
Williamsport, MD 21795 United States of America
Phone: (301) 223-6910
www.maccaferri.com/us

Mackay School of Earth Sciences and Engineering

Booth 725

Internationally renowned for its academic programs in the earth, mineral and engineering sciences, and for

its diverse research activities, Mackay has earned its reputation for excellence by providing the mining, engineering and minerals industries with highly trained graduates, by conducting cutting-edge research and its continuous offering of public service to Nevada and the nation.

Products & Services

Educational

Main Office

1664 N Virginia St
Univ of NV, College of Science
Reno, NV 89557 United States of America
Phone: (775) 784-6987
www.unr.edu/mackay/

Maestro Digital Mine

Booth 325

Maestro Digital Mine manufactures IIoT devices, last-mile digital networks, and on/offline analytics software for underground mining. Our solutions enhance worker safety, boost productivity, and reduce energy consumption and emissions. By integrating fixed asset IIoT devices, we enable real-time reactive, scheduled, and predictive maintenance through edge and offline analytics. This improves operational efficiency, increases asset reliability, and reduces maintenance costs. Our products provide significant CAPEX and OPEX savings for IT/OT, ventilation, energy, and safety professionals. Deployed in over 200 mines in 40 countries worldwide, we collaborate with mining companies to tackle real-time challenges and drive industry innovation.

Products & Services

Automation
Communications Equipment
Measurement and Monitoring Systems
Sensors
Ventilation Systems, Materials and Equipment

Main Office

87 Magill St
Sudbury, ON P3Y 1K6 Canada
Phone: (705) 805-6918
Email: sales@maestrodigitalmine.com
www.maestrodigitalmine.com

Magotteaux

Booth 1559

Magotteaux is the world leader in process optimization solutions for abrasive and impact applications in mining, cement, aggregates, quarrying and power stations. Magotteaux is part of Sigdo Koppers, listed in Santiago, Chile. We are present in more than 150 countries and have a work force of more than 3,000 qualified and experienced individuals who can help our customers with much more than grinding optimization and milling efficiency. Our technical innovations have changed and will continue to change the industry in the future. We are continuously reducing our environmental impact and provide solutions helping all our customers to do the same.

Products & Services

Castings
Grinding Media and Liners





MasterRoc[®] Reinforcing Underground



**Increase your productivity
with fast and safe bolting**

ugc@masterbuilders.com

EXHIBITORS

Main Office

725 Cool Springs Blvd, Ste 200
Franklin, TN 37067 United States of America
Phone: (615) 385-3055
www.magotteaux.com

Major Drilling

Booth 409

Major Drilling is one of the world's largest drilling services companies primarily serving the mining industry. We maintain field operations and offices in Canada, the United States, Mexico, South America, Africa and Australasia. Our specialized global teams provide a complete suite of drilling services for both surface and underground projects.

Products & Services

Drilling Contractors

Main Office

2200 S 4000 W
Salt Lake City, UT 84120 United States of America
Phone: (480) 522-9210
www.majordrilling.com

Malvern Panalytical

Booth 809

Malvern Panalytical creates innovative, customer-focused solutions and services to enhance efficiency and deliver tangible economic impact through chemical, physical and structural analysis of materials for all steps of your mining process. Our mining solutions provide highly reliable, robust elemental, morphological and structural information that can help you confidently explore new materials, design and test materials, and efficiently produce high quality products. Our portable and on-line solutions identify pathfinder minerals, determine quality of ore, and provide certified analysis of your beneficiated material. Ask us how we can optimize your mining process.

Products & Services

Analyzers
Automation
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Process Controls and Instruments

Main Office

2400 Computer Dr, Ste 2100
Westborough, MA 01581 United States of America
Phone: (508) 768-6400
www.malvernpanalytical.com

MAPEI Corporation

Booth 1426

Tunneling, underground construction and mining projects have unique and challenging characteristics due to their complexity. MAPEI's UTT (Underground Technology Team) engineers and experts understand these challenges and focus on providing a broad range of products and technologies along with expertise and know-how for the tunneling, underground construction and mining industries. These solutions include chemicals for shotcrete, mechanized tunneling, injection and waterproofing technologies. These products are manufactured by MAPEI with the goal of completely satisfying every technical requirement of our customers, from applicator to the contractor to the client.

Products & Services

Consulting - Design and Planning
Lubricants and Equipment
Sediment & Erosion Control
Shotcrete Equipment, Supplies and Services
Tunnel Lining and Support Materials
Underground Excavation Services and Equipment

Main Office

1144 E Newport Center Dr
Deerfield Beach, FL 33442 United States of America
Phone: (888) 365-0614
utt.mapei.com/

Maptek

Booth 901

Maptek™ is a global provider of innovative software, hardware and services. Founded 40 years ago to service the mining industry, Maptek offers a unique combination of domain knowledge, technical expertise and engineering resources. We incorporate automated workflows and optimised algorithms to collect, analyse and circulate critical information within the operational cycle, closing the loop between planning, production and results. With our digital mine solutions, operations can add value to projects. Maptek continually looks for new ways to extend the capability of the mining industry and develops reliable solutions that allow customers to improve safety, productivity and profitability.

Products & Services

Aerial Mapping and Surveying
Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Explosive Materials and Services
Geological-Physical-Technical Services and Equip
Measurement and Monitoring Systems
Reclamation Equipment and Services
Surveying Equipment and Supplies
Training Services

Main Office

14143 Denver W Pkwy, Ste 200
Golden, CO 80401 United States of America
Phone: (303) 763-4919
www.maptek.com

Marietta Silos, LLC

Booth 1756

MARIETTA SILOS and our sister company USA SILO SERVICE work in tandem to complete bulk storage cleaning, inspections, repairs, and new silo construction. The combined companies have over 130 years industry specific experience to ensure your bulk storage systems operate efficiently, economically, and safely for the longevity of your operations. Email us directly at askmrsilo.com to see how our companies can benefit your organization.

Products & Services

Bins, Hoppers, Silos and Storage

Main Office

2417 Waterford Rd
Marietta, OH 45750 United States of America
Phone: (740) 373-2822
Email: info@mariettasilos.com
www.mariettasilos.com

Marmon Industrial Energy & Infrastructure

Booth 505

Marmon Industrial Energy & Infrastructure, a division of Marmon Electrical, A Berkshire Hathaway Company, offers a comprehensive suite of unique and innovative electrical wire & cable products and solutions that keep the world running. MIEI is a subject matter expert in cabling solutions in many markets, including harsh environments, nuclear, and life safety.

Products & Services

Electric Wire and Cable

Main Office

20 Bradley Park Rd
East Granby, CT 06026 United States of America
Phone: (860) 713-3522
Email: marketing@r-scc.com
marmoniei.com

Masaba Inc

Booth 1811

Masaba, Inc., was formed in 1962 with a mission to design and build rugged equipment that will reliably and productively operate within the demanding environments of the mining and aggregate industries. Masaba's wide range of products comprises conveying and material handling equipment, including the patented Magnum Telescoping Conveyor; overland conveyor systems; ship-loading systems and truck unloaders; as well as portable and modular systems for crushing, screening, and washing; and a variety of custom-engineered solutions. All solutions are designed and manufactured specifically to meet customers' unique needs. Masaba stands behind its equipment with a five-year structural and two-year component warranty.

Products & Services

Bins, Hoppers, Silos and Storage
Conveyor Systems
Crushers and Pulverizers
Feeders
Grizzlies - Feeding, Moving and Stationary
Screens
Washing Plants

Main Office

1617 317th St
PO Box 345
Vermillion, SD 57069 United States of America
Phone: (877) 627-2220
Email: info@masabainc.com
www.masabainc.com



Master Builders Solutions

Booth 1313

Master Builders Solutions is a leading supplier of underground solutions. By connecting our MasterRoc products with our Mining customers, we provide solutions that help them to become more successful, even in highly challenging ground conditions. Master Builders Solutions has the largest range of products and



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mclanahan.com

EXHIBITORS

services available to meet needs and solve problems in mining applications, in both soft ground or hard rock conditions.

Products & Services

Backfilling
Grouting Services, Equipment and Materials
Roof - Ground Supports
Shotcrete Equipment, Supplies and Services
Tunnel Lining and Support Materials

Main Office

23700 Chagrin Blvd
Beachwood, OH 44122 United States of America
Phone: (216) 839-7500
www.master-builders-solutions.com/EN-US

Matec America Inc

Booth 1757

Matec America is the US branch of Matec Industries. Matec Industries S.p.A. designs and manufactures complete plants for crushing, screening & washing of aggregates and wastewater purification & filtration solutions in many sectors, the most important of which are: coal, iron-ore, aggregates, gravel, sand, stone, concrete, ceramic, glass.

Products & Services

Crushers and Pulverizers
Pumps
Screens
Scrubbers
Water Clarification and Treatment

Main Office

206 Villa Ave
High Point, NC 27260 United States of America
Phone: (336) 880-9036
www.matecindustries.com

Matrix Design Group

Booth 745

Matrix Design Group LLC is a safety and productivity technology leader for mining and industrial applications. We provide a hardware, software and analytics platform that delivers leading-edge products and actionable insights to our operators. Our innovative product line includes systems data networking, communication and tracking systems, mining proximity detection systems, industrial collision avoidance systems and data & analytics software. Matrix's innovation has been demonstrated by winning the NIOSH Mine Safety & Health Technology Innovation Awards in 2020 for OmniPro® and 2021 for an enhanced IntelliZone® proximity detection system for underground haulage.

Products & Services

Communications Equipment
Computer - Software and Services
Hoists - Controls and Accessories
Information Technology Products
Safety Equipment
Sensors

Main Office

3299 Tower Dr
Newburgh, IN 47630 United States of America
Phone: (859) 967-1712
matrixteam.com/

Matrix Service Company

Booth 1844

Through its operating companies, Matrix Service Company is a leader in the design, construction, maintenance and repair of industrial infrastructure serving the energy, industrial, and utility markets across North America. Companies choose Matrix for a broader range of project requirements, including the construction of process and supporting facilities in the mining sector, making us a more efficient and cost-effective solution. We can cover projects from large to small with consistent, high-quality results. Matrix consistently ranks among ENR's Top 400 contractors.

Products & Services

Automation
Bins, Hoppers, Silos and Storage
Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Management
Conveyor Systems
Maintenance Services
Mining Contractors

Main Office

15 E 5th St, Ste 1100
Tulsa, OK 74103 United States of America
Phone: (866) 367-6879
Email: marketing@matrixservicecompany.com
www.matrixservicecompany.com

Mavrik

Booth 1609

Products & Services

Exploration Equipment and Services

Main Office

1441 Wazee St, Ste 104
Denver, CO 80202 United States of America
Phone: (303) 220-8545

McCrometer, Inc

Booth 2108

With 65+ years of flow expertise, McCrometer is an innovative industry leader providing metering technology to customers worldwide. McCrometer manufactures propeller, electromagnetic, and differential pressure flow meters at their headquarters in Hemet, California. McCrometer's high-performance products and systems are found in thousands of installations worldwide, proudly exceeding many of the world's most demanding industrial, safety and quality standards. McCrometer's flow measurement solutions are backed by a team of engineering experts dedicated to partnering with customers on the most challenging flow projects. For more information on how a McCrometer can bring value to your flow measurement application, visit our website.

Products & Services

Electrical Equipment and Supplies
Environmental Control Equipment and Supplies
Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments

Main Office

3255 W Stetson Ave
Hemet, CA 92545 United States of America
Phone: (800) 220-2279
www.mccrometer.com



McLanahan Corporation

Booth 1129

McLanahan Corporation is an ISO 9001:2015 certified company that manufactures equipment that helps producers do more than ever in today's tough marketplace. From crushing to water management, McLanahan custom engineers processing solutions to help you be more efficient, more productive and more profitable. Sales, engineering and customer service personnel are constantly working together to improve standard designs to help producers do more with their resources.

Products & Services

Crushers and Pulverizers
Dewatering Equipment
Feeder Breakers
Feeders
Sampling Devices
Screens
Scrubbers
Thickeners
Washing Plants
Water Clarification and Treatment

Main Office

200 Wall St
Hollidaysburg, PA 16648 United States of America
Phone: (814) 695-9807
www.mclanahan.com

ME Elecmetal

Booth 1601

ME Elecmetal is a global leader and trusted partner in mineral processing, aggregate, construction, and recycling industries. Known for innovation and sustainability, ME Elecmetal offers a wide range of products and services, including grinding media, mill liners, crusher liners, specialty castings, and digital tools, adding value and efficiency for customers worldwide. With plants in Chile, the USA, Peru, China, South Africa, and Zambia, and a production capacity of over 134,000 tons in foundry products and 600,000 tons in grinding media, ME Elecmetal supports a commercial network across 40+ countries, driving mining industry innovation.

Products & Services

Castings
Crushers and Pulverizers
Fasteners - Industrial
Feeders
Grinding Media and Liners
Grinding Mills
Linings and Claddings
Measurement and Monitoring Systems
Parts - Mining Machinery
Safety Equipment



Main Office

4500 S Lakeshore Dr, Ste 150
 Tempe, AZ 85282 United States of America
 Phone: (480) 730-7500
 Email: marketing@me-elecmetal.com
 www.me-elecmetal.com

Mechanical & Ceramic Solutions, Inc

Booth 631

MCS is a leader in abrasion resistant liners and coatings including ceramics, hardened steel, chromium carbide overlay, tungsten carbide, plastics, rubber and wear compounds. MCS is a turnkey fabricator taking projects from new design thru fabrication and installation. MCS has MSHA trained crews offering field installation and repairs of abrasion resistant lining with safety-first attitude. MCS can provide field measuring and design services. MCS serves an expansive number of material handling industries including a vast array of mining operations.

Products & Services

Bins, Hoppers, Silos and Storage
 Coal Preparation Plants
 Conveyor Systems
 Crushers and Pulverizers
 Fans and Blowers
 Linings and Claddings
 Maintenance Services
 Pipes

Steel Pipe
 Washing Plants

Main Office

730 Superior St, Bldg 16
 Carnegie, PA 15106 United States of America
 Phone: (412) 429-8991
 www.mcs-pa.com



MegaDome Buildings by Harnois

Booth 2241

MegaDome® Buildings, a division of Harnois Industries Inc. is a leader in the design and manufacture of innovative steel structures that meet the highest engineering standards and facilitate the achievement of our customers' financial and logistical objectives.

Products & Services

Construction - Contracting Services

Main Office

1044 Principale
 St-Thomas, QC J0K 3L0 Canada
 Phone: (450) 756-1041
 Email: i.chartier@harnois.com
 www.harnois.com

Megator-Pumps 2000 America

Booth 1330

Megator-Pumps2000 are two manufacturing companies operating under the same leadership team providing pumps, pumping solutions, and pump equipment to mining industry

Products & Services

Dewatering Equipment
 Pollution Control Equipment
 Pumps

Main Office

1721 Main St
 Pittsburgh, PA 15215 United States of America
 Phone: (412) 963-9200
 www.megator.com

MES Mining

Booth 617

The mission of MES is to provide specialized technical expertise in underground mine and tunnel related services, at a high level of excellence, to support our clients in exploration, mining, underground construction and mine closure projects.

Products & Services

Construction - Contracting Services
 Consulting - Engineering
 Mining Contractors
 Underground - Construction and Structures
 Underground Excavation Services and Equipment

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AGNICO EAGLE

ArcelorMittal

EXHIBITORS

Main Office

9125 S Monroe Plaza, Unit D
Sandy, UT 84070 United States of America
Phone: 8014412668
Email: info@minenv.com
www.minenv.com

Metcom Technologies Inc

Booth 1705

Products & Services

Consulting - Research
Laboratory and Scientific Services
Training Services

Main Office

501 S Pokegama Ave, Ste 6
Grand Rapids, MN 55744 United States of America
Phone: (218) 212-4350
www.metcomtech.com

Metsim International

Booth 301

Metsim International (MSI) was formed in July, 2018 from the core group that has owned and operated the METSIM software since its first version was offered commercially in the early 1980s. Boasting a diverse team in ownership and management, MSI and METSIM are prepared for longevity despite fluctuating world markets. Our focus is to continue to build upon an already sturdy foundation, providing industry-leading software solutions and professional support from our international process engineering team.

Products & Services

Computer - Software and Services
Consulting - Engineering
Consulting - Management
Training Services

Main Office

201 Milwaukee St, Ste 200
Denver, CO 80206 United States of America
Phone: (404) 368-8313
www.metsim.com

Metso

Booth 1001

Metso is a frontrunner in sustainable technologies, end-to-end solutions and services for mining, metals refining, aggregates production, and recycling. We help our customers improve efficiency, increase productivity and reduce environmental and economic risks. Metso Outotec has a complete portfolio of process solutions, equipment and services, as well as plant delivery capability for mining operations.

Products & Services

Crushers and Pulverizers
Dewatering Equipment
Filters, Filter Cloth and Accessories
Flotation Machines and Equipment
Grinding Media and Liners
Grinding Mills
Kilns
Maintenance Services
Parts - Mining Machinery
Pumps

Main Office

275 N Corporate Dr
Brookfield, WI 53045 United States of America
Phone: (262) 717-2500
www.metso.com

Micronics Engineered Filtration Group

Booth 2025

From expert Mine Tailings Management Solutions to dewatering Mineral Concentrate slurries, you can count on the global Micronics team for Total Engineered Filtration Solutions to improve your mine's operating efficiencies, reduce costs, improve uptime, increase productivity, and ensure environmental compliance. Our solutions range from filtration equipment to cloth – including our MINEXXL™ for longer lasting life, field service, lab analysis capabilities and spare parts. We have global operations where you are including Micronics facilities in Australia, Brazil, throughout the USA, Canada, India and China. When it comes to Mining & Mineral Processing, you can trust the Micronics Engineered Filtration.

Products & Services

Consulting - Environmental
Dewatering Equipment
Dust and Fume Control Technology
Emissions Control
Environmental Control Equipment and Supplies
Filters, Filter Cloth and Accessories
Laboratory and Scientific Services
Maintenance Services
Pollution Control Equipment
Training Services

Main Office

1201 Riverfront Pkwy Suite A
Chattanooga, TN 37402 United States of America
Phone: (866) 749-6144
www.micronicsinc.com

Midwest Industrial Supply, Inc

Booth 1238

Midwest lives, manufactures, and delivers Earth-conscious solutions around the world to clients in the quarry, mining, construction, iron & steel, rail and mass transit and dozens of other industries whose success depends on overcoming dust, erosion, ice, or unstable soil conditions.

Products & Services

Conveyor Belting - Accessories and Equipment
Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Lubricants and Equipment
Mine Evaluations - Surface and Underground

Main Office

1101 3rd St SE
Canton, OH 44707 United States of America
Phone: (800) 321-0699
www.midwestind.com

Mill Man Steel, Inc

Booth 1611

Products & Services

Steel Pipe

Main Office

1441 Wazee St, Ste 104
Denver, CO 80202 United States of America
Phone: (303) 220-8545
www.millmansteel.com

Millcreek Engineering Co

Booth 1944

Our engineering group is a full-service engineering company with a complete menu of engineering capabilities and extensive expertise. We take Hands-On, On-site responsibility for the entire facility delivery process, from conceptual design through detailed engineering, construction management, commissioning, and operator training. With our understanding of our client's needs coupled with effective management corporate structure, allows us to provide an excellent and highly competitive service to the mining and heavy industrial sectors. We are highly skilled in a variety of areas, extending these skills to solving, Mechanical Engineering, Conveyor Design, Structural/Civil Engineering, Electrical and Instrumentation, Process

Products & Services

Consulting - Design and Planning
Consulting - Engineering

Main Office

1011 Murray-Holladay Rd., Ste 200
Salt Lake City, UT 84117 United States of America
Phone: (801) 456-8163
Email: kevinm@millcreekeng.com
www.millcreekeng.com

MILLER

MILLER

Booth 1928

Products & Services

Boring Equipment
Construction - Contracting Services
Hoists - Controls and Accessories
Underground - Construction and Structures

Main Office

9580 State Route 13 W
Carrier Mills, IL 62917 United States of America
Phone: (618) 994-4616
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MILLER

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Foundations



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EXHIBITORS



Miller Sales & Engineering Inc

Booth 913

Miller Sales and Engineering develops and provides customized pumping systems and services for the mining and industrial sectors in the most responsive way, driven by a desire to simplify every step of its customers' process through sustainable partnership and expertise.

Benefitting from 50 years of experience in the field, this subsidiary specializes in the design and repair of water supply systems, mine dewatering, as well as dewatering for tunnel construction and heavy civil works. These designs can include dewatering wells, booster stations, portable pump skids, permanent pump stations and barges.

Products & Services

Dewatering Equipment
Dredges
Pumps

Main Office

1641 W Commerce Ct, Ste 151
Tucson, AZ 85746 United States of America
Phone: (520) 888-4101
Email: info@mseinc.net
www.mseinc.net

Mine Rite Technologies

Booth 1753

Mine Rite Technologies specializes in the design and manufacturing of custom attachments and implements for the mining and construction industries. Ranging from existing equipment attachment repair, custom fabrications, as well as new specialty attachments. All the products and services that Mine Rite provides are produced in our manufacturing facility, centrally located in Buffalo, WY.

Products & Services

Diesel Mining Equipment Manufacturers
Dust and Fume Control Technology
Maintenance Equipment and Supplies
Reclamation Equipment and Services
Safety Equipment
Trucks and Haulage Units
Underground Excavation Services and Equipment

Main Office

240 Flatiron Drive
Buffalo, WY 82834 United States of America
Phone: (307) 233-4000
www.minerite.com

Mine Vision Systems

Booth 2144

Founded as a Carnegie Mellon University spinout, Mine Vision Systems (MVS) is at the forefront of transforming the mining industry with innovative technology. Specializing in advanced 3D mapping solutions, MVS's flagship product, FaceCapture™, revolutionizes geological mapping underground. This state-of-the-art

system automates real-time 3D data collection, enhancing operational efficiency, decision-making accuracy, and safety in underground mining environments. MVS is committed to pioneering new frontiers in mining technology, offering solutions that cater to a wide range of mining professionals - from geologists and engineers to surveyors and safety experts. Visit us to discover how we are shaping the future of mining.

Products & Services

Automation
Computer - Software and Services
Continuous Mining Machines
Geological-Physical-Technical Services and Equip
Measurement and Monitoring Systems
Mine Operators
Sensors
Surveying Equipment and Supplies
Underground - Construction and Structures
Underground Excavation Services and Equipment

Main Office

5877 Commerce St., Ste 118
Pittsburg, PA 15206 United States of America
Phone: (469) 422-3168
www.minevisionsystems.com

MineARC Systems

Booth 123

MineARC Systems is the global leader in refuge chambers and safety technologies for the underground mining industry. We specialize in the manufacture and supply of emergency refuge chambers, safe havens, disaster shelters and grow chambers, as well as a range of remote monitoring, tracking and communications technologies that allow full integration in heavy industrial applications.

Products & Services

Communications Equipment
Consulting - Environmental
Fire Protection
Lighting Systems and Lamps
Maintenance Services
Mine Operators
Oxygen - Gas Equipment and Suppliers
Quality Improvement
Safety Equipment
Sensors

Main Office

2135 Industrial St
Lancaster, TX 75134 United States of America
Phone: (214) 337-5100
Email: info@minearc.com
www.minearc.com

Miner Elastomer

Booth 1739

MEPC was formed in 1985 to develop and implement unique applications for TecsPak, Miner's revolutionary shock absorbing material totally different from anything else available today. Patented TecsPak is an acronym for: Thermoplastic Elastomer Compression Spring Package. TecsPak equipped products have been proven to far outlast comparable products made of rubber, urethane, or steel and can operate under an extremely wide temperature range. TecsPak is relatively inert and resists exposure to dust, oils, hydraulic fluids, and gasoline. With TecsPak, you are assured of improved

performance and productivity. Let our design engineers demonstrate how TecsPak will work for you.

Products & Services

Continuous Mining Machines
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Drilling Equipment
Fasteners - Industrial
Government Agency - Entity
Parts - Mining Machinery
Rail Systems and Supplies
Trucks and Haulage Units
Underground Excavation Services and Equipment

Main Office

1200 E State St
Geneva, IL 60134 United States of America
Phone: (630) 232-3129
Email: jbechaud@MinerElastomer.com
www.MinerElastomer.com

Mineral Technologies

Booth 1141

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Continuous Mining Machines
Gravity Separators
Grinding Mills
Laboratory and Scientific Services
Magnetic Separators
Separators and Concentrators

Main Office

24 Cathedral Pl, Ste 208
St Augustine, FL 32084 United States of America
Phone: (904) 342-8354
www.mineraltechnologies.com

Mining & Metallurgical Society of America (MMSA)

Booth 1716

MMSA is a non-profit association of mineral resources professionals whose members represent all facets of mining and metallurgical interests, both domestic and globally. We are a flexible organization able to respond quickly to opportunities to support and promote the industry. MMSA is dedicated to supporting regulatory and public awareness through webinars, seminars and other advisory activities, and active collaboration with other minerals industry organizations.

Products & Services

Professional Society or Association

Main Office

PO Box 271794
Littleton, CO 80127 United States of America
Phone: (720) 203-2380
www.mmsa.net/

Mining & Metals - Information Sharing and Analysis Centre

Booth 2013

The Mining and Metals ISAC (MM-ISAC) is a non-profit, industry-owned corporation established to improve the cyber security of metals and mining companies. Its goal is to protect members against incidents that could impact safety, environmental sustainability, or operational productivity. This will be achieved by sharing threat and vulnerability information, managing industry contingency planning, providing opportunities for training security staff and incident response teams.

Products & Services

Educational

Professional Society or Association

Main Office

#142-757 W Hasting St
Vancouver, BC V6C 1A1 Canada
Phone: (315) 767-1211
www.mmisac.org

Mining Equipment, Ltd

Booth 816

Products & Services

Fans and Blowers

Underground Excavation Services and Equipment

Ventilation Systems, Materials and Equipment

Main Office

484 Turner Dr, Ste 201C
Durango, CO 81303 United States of America
Phone: (970) 259-0412
www.miningequipmentltd.com

Mining Magazine

Booth 1645

As part of the Aspermont group (the largest publisher of mining-related titles globally), Mining Magazine is mining's global source of operational and technology news. Founded in 1909 by Herbert Hoover, it is the industry's oldest and most respected title. Mining Magazine is published 10 times a year. It offers in-depth, technical insight into all operational aspects of mining. In addition to the magazine, we also offer a full line of digital options, including targeted eBlasts and lead generation. Other titles/brands in the Aspermont stable include Future of Mining, Mining Journal, Australia's Mining Monthly and GeoDrilling International.

Products & Services

Publishers

Main Office

WeWork, 1 Poultry
London EC2R 8EJ United Kingdom
Phone: +44 207 216 6060
www.MiningMagazine.com

Mining Media International

Booth 1503

Mining Media International (MMI) publishes Engineering & Mining Journal (E&MJ), Coal Age and Equipo Minero. E&MJ is the gold standard among trade journals for the mining and mineral processing sector. Coal Age is the voice of authority throughout the coalfields. Equipo Minero, E&MJ's Spanish language quarterly, is a respected source for technical information throughout Latin America. MMI also publishes a free weekly e-Newsletter. Through its print and digital products, which includes Email campaigns and webinars, MMI provides a means for suppliers to market to decision makers in the mining business.

Products & Services

Publishers

Main Office

11655 Central Pkwy, Ste 306
Jacksonville, FL 32224 United States of America
Phone: (904) 721-2925
www.mining-media.com

Mining People Magazine

Booth 125

Mining People Magazine reports on People, Places, and Products related to all mining sectors, including aggregates.

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NAYLOR PIPE COMPANY

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in-print and on-line to suit any reader's preference. Our format is unique, informative and entertaining, focusing on personalities and news, highlighting present issues and events, business profile articles, future forecasts, new product and service technology, and historical articles and human interest features.

Products & Services

Publishers

Main Office

PO Box 6247
Charleston, WV 25362 United States of America
Phone: (864) 278-8227
www.miningpeople.org

Mining Plus US

Booth 1860

Our team of 100+ full-time mining expert professionals, operate as one team from 7 offices in 3 countries around the globe. An affiliation of the Byrnegut Group (family), Mining Plus are corporate and contractor specialists in underground mining and part of an organization employing more than 4,000 people worldwide. Our core capabilities center around Geology, Geotechnical Engineering and Mining Engineering, in an end-to-end delivery scope for all hard rock mineral commodities across a project. We have a unique ability to integrate seamlessly with customer's project teams to deliver results with the flexibility of working remotely or mobilizing to site.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Management
Geological-Physical-Technical Services and Equip
Mine Evaluations - Surface and Underground

Main Office

10185 Park Meadows Dr, Flr 3, Ste 411
Lone Tree, CO 80124 United States of America
Phone: (303) 668-5925
Email: info@mining-plus.com
www.mining-plus.com

Minova

Booth 1038

137 years of development and innovation Minova is known for high quality products, technical expertise and problem solving. Unstable and changing environments is one of the greatest challenges. Our expert technical services teams work to find the perfect solution. Minova has over 200 patents but our work is far from over. Our laboratories and manufacturing plants work tirelessly to develop new chemical formulations and bolting technologies to help improve safety, cost savings and increase efficiencies. Our engineers and chemists, use their vast expertise and experience to provide you the best solutions.

Products & Services

Concrete Reinforcement and Equipment
Consulting - Engineering
Roof - Ground Supports
Seals
Sediment & Erosion Control
Shotcrete Equipment, Supplies and Services
Steel Wire Ropes/Cables
Training Services

Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

150 Summer Ct
Georgetown, KY 40324 United States of America
Phone: (502) 868-6251
www.minovaglobal.com

MinTech

Booth 644

MinTech is a full-service mineral handling solution provider specializing in process application systems, surface application programs, and specialty chemical treatments. From start to finish, our team of experts provide on-site assessments, conceptualize, design, and install application equipment, apply products, and provide on-going service and maintenance to custom tailor our services to exceed our customer's expectations.

Main Office

1830 Ellsworth Industrial Dr NW
Atlanta, GA 30318 United States of America
Phone: (404) 355-4580
www.mintech.com

Missouri S&T

Booth 1244

Missouri University of Science and Technology (S&T) is a STEM-focused research university of over 7,200 students and is part of the four-campus University of Missouri System. Located in Rolla, Missouri, Missouri S&T offers 101 different degree programs in 40 areas of study and is ranked by CollegeFactual as the best public university to study engineering. For more information about Missouri S&T, visit our website.

Products & Services

Educational

Main Office

1400 N Bishop Ave, 226 McNutt Hall
Rolla, MO 65409 United States of America
Phone: (573) 341-4753
Email: mining@mst.edu
www.mee.mst.edu

Mitigation Resources of North America

Booth 1257

Products & Services

Remediation

Main Office

209 Renaissance Dr
Hallsville, TX 75650 United States of America
Phone: (903) 926-3631
www.mitigate.pro

Mitsubishi Materials USA Corp

Booth 1434

Mitsubishi Materials USA's Rock Tools Group supplies a full line of top hammer blast hole and underground mining rock drilling tools considered as some of the best in the world. Our products are engineered and manufactured under strict quality control standards.

Our parent company specializes in the manufacturing of tungsten carbide buttons used in all our drill bits. We also make casing advancement systems for the water well, construction, foundation, and geothermal drilling industries and these products have a reputation for supreme quality. We recently added a full line of Down-the-Hole hammers and bits that are manufactured in the USA.

Products & Services

Drill Bits - Rock
Drilling Equipment
Underground - Construction and Structures
Well Completion Equipment

Main Office

105 Corporate Center Dr, Ste A
Mooresville, NC 28117 United States of America
Phone: (980) 312-3150
www.ryotec.co.jp/en/products/mrt/

Mixtec North America

Booth 824

Mixtec North America has over 4,000 agitator installations in 15 countries. Built on Mixtec's global install base of 50,000+ agitators, we have the experience to meet the most demanding mixing requirements. By working with the other Mixtec global entities, we are able to find the most efficient and economical way to design, fabricate, and deliver your mixing system anywhere in the world.

Products & Services

Agitators, Vibrators and Mixers
Solvents - Extraction, Mixer and Settlers

Main Office

454 W 600 N
Salt Lake City, UT 84103 United States of America
Phone: (801) 290-3770
www.mixtecna.com

MMD Mineral Sizing (America) Inc

Booth 1816

Products & Services

Crushers and Pulverizers
Feeders

Main Office

41 Excellence Wy
Vonore, TN 37885 United States of America
Phone: (423) 884-6100
www.mmdsizers.com

MOGAS Industries, Inc

Booth 536

MOGAS Industries is the most trusted severe service technology company offering severe service valves, surface engineering, coating and modular process units.

Products & Services

Agitators, Vibrators and Mixers
Coatings (does not include Linings and Claddings)
Consulting - Design and Planning
Consulting - Engineering
Linings and Claddings



Maintenance Services
Measurement and Monitoring Systems
Quality Improvement
Valves

Main Office
14204 E Hardy Rd
Houston, TX 77039 United States of America
Phone: (281) 810-5952
www.mogas.com/en-us

Molycop

Booth 845

Products & Services

Analyzers
Automation
Computer - Hardware and Services
Computer - Software and Services
Consulting - Management
Cyanide Process Equipment
Flotation Machines and Equipment
Grinding Media and Liners
Sensors
Thickeners

Main Office
6700 Mercy Road
Omaha, NE 68106 United States of America
Phone: +61892404357
www.molycop.com/

Monico Monitoring, Inc

Booth 933

Monico provides data capture, remote condition monitoring, data visualization and analytics solutions for industrial machines and equipment. Monico works with customers to identify the data acquisition needs, recommends and offers data capture hardware that includes the ability to perform protocol conversions, data buffering, edge analytics, exception reporting and much more. Monico's hardware solutions coupled with their Remote Condition Monitoring Solution, mGuard MachineWatch, provides customers a solution for collecting, storing, visualizing, and analyzing machine data that provides valuable insight into how machines are performing; aiding in service/maintenance, improving uptime and helping to avoid shut down events.

Products & Services

Communications Equipment
Computer - Hardware and Services
Computer - Software and Services
Electrical Equipment and Supplies
Information Technology Products
Measurement and Monitoring Systems

Main Office
18530 Klein Church Rd
Spring, TX 77379 United States of America
Phone: (281) 350-8751
Email: sales@monicoinc.com
www.monicoinc.com

Montana Technological University - School of Mines & Engineering

Booth 522

Products & Services

Educational

Main Office
1300 W Park St
Butte, MT 59701 United States of America
Phone: (406) 496-4262
www.mtech.edu

Montgomery & Associates

Booth 1377

Montgomery & Associates (M&A) provides hydrogeological consulting services to address evolving client challenges throughout the western United States and South America. M&A works closely with mining clients to navigate the unique environmental and regulatory challenges facing the mining industry. Our professionals are experts in and committed to responsible mine water management.

Products & Services

Consulting - Design and Planning
Consulting - Environmental
Geological-Physical-Technical Services and Equip

Main Office
1550 E Prince Rd
Tucson, AZ 85719 United States of America
Phone: (520) 881-4912
www.elmontgomery.com

Montrose Environmental

Booth 1762

Montrose is a leading environmental services company focused on supporting commercial and government organizations as they deal with the challenges of today, and prepare for what's coming tomorrow. With more than 2,000 employees and 70+ locations around the world, Montrose combines deep local knowledge with an integrated approach to design, engineering, and operations, enabling effective and efficient responses to unique requirements of each project. From comprehensive air measurement and laboratory services to regulatory compliance, emergency response, permitting, engineering, and remediation.

Products & Services

Aerial Mapping and Surveying
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Consulting - Research
Emissions Control
Laboratory and Scientific Services
Measurement and Monitoring Systems
Remediation

Main Office
5120 Northshore Dr
North Little Rock, AR 72118 United States of America
Phone: (501) 900-6400
www.montrose-env.com

Morgan Companies

Booth 2229

Products & Services

Construction - Contracting Services
Mine Operators
Mining Contractors

Main Office
900 Dutch Valley Drive
Knoxville, TN 37918 United States of America
Phone: (865) 249-8640
www.morgan1.com

Morningstar Corporation

Booth 550

With well over 4 million products sold in over 100 countries since 1993—functioning in some of the most extreme environments and mission-critical applications in the world—Morningstar Corporation can truly claim to be “the leading supplier of solar controllers and inverters. Our products exceed all others for protection against extreme environments, corrosion, lightning surges and harsh ambient operating temperatures all while delivering more than twice the industry's average operating life.

Products & Services

Measurement and Monitoring Systems

Main Office
8 Pheasant Run
Newtown, PA 18940 United States of America
Phone: (215) 716-8035
www.morningstarcorp.com

MOSIMTEC LLC

Booth 2249

MOSIMTEC is a professional services firm that empowers businesses to make better decisions. There is a lot of change in the world today. From climate change to supply chains; just-in-time to real-time; automation to innovation; workforce to world events ... businesses are struggling to ‘quantify’ the impact of these changes and assess their risk exposure. MOSIMTEC helps companies explore every option by expertly guiding them along the simulation modeling and digital twin continuum, so businesses aren't just ready for change, they embrace it.

Products & Services

Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Financial Services
Consulting - Management
Consulting - Research
Educational
Information Technology Products
Mine Evaluations - Surface and Underground
Transportation

Main Office
297 Herndon Pkwy, Ste 302
Herndon, VA 20170 United States of America
Phone: (571) 386-1044
www.mosimtec.com

EXHIBITORS

MP Materials

Booth 1037

MP Materials operates Mountain Pass, North America's only integrated rare earth mining and processing site, essential to global supply chains for advanced technologies. MP Materials is committed to sustainable production and innovation, working to restore the full rare earth supply chain to the United States while supporting a transition to clean energy and advancing domestic manufacturing capabilities.

Products & Services

Mine Operators

Main Office

1700 S Pavilion Center Dr
Las Vegas, NV 89135 United States of America
Phone: (702) 844-6111
Email: info@mpmaterials.com
www.mpmaterials.com

MRC Global

Booth 507

Main Office

1301 McKinney St, Ste 2300
Houston, TX 77010 United States of America
Phone: (713) 416-3778
www.mrcglobal.com/

MST Global

Booth 1538

MST Global (a Komatsu Technology Company) specializes in underground mining and tunneling technology that empowers you to unearth safety and productivity improvements. Over the last 36 years we have consistently delivered innovative solutions that not only address the needs of our customers today, but also their future needs.

Products & Services

Automation
Communications Equipment
Information Technology Products
Mine Operators
Safety Equipment
Sensors

Main Office

13301 W 43rd Dr, Unit 15
Unit 15
Golden, CO 80403 United States of America
Phone: (303) 951-0570
Email: nasales@mstglobal.com
www.mstglobal.com



Mudwizard

Booth 909

By creating simple and efficient sludge management systems, Mudwizard can adapt to different industries and sludge types, saving on operating costs and increasing productivity. Through the use of simple polymer tablets, Mudwizard has revolutionized the sludge management processes.

Products & Services

Dewatering Equipment
Maintenance Equipment and Supplies
Pumps
Water Clarification and Treatment

Main Office

225 rue Jacques Bibeau
Rouyn-Noranda, QC J9Y 1G8 Canada
Phone: (819) 797-3300
Email: info@mudwizard.com
www.mudwizard.com

Nalco Water, an Ecolab Company

Booth 306

A global leader in water and process management solutions, Nalco Water, an Ecolab company, works with customers across the mining and mineral processing industry to help maximize productivity, reduce water consumption, and optimize total cost of operation. Leveraging a global network of technical experts, research and development laboratories, and world-class training programs, we deliver unparalleled service and support to our customers.

Products & Services

Automation
Dewatering Equipment
Flotation Machines and Equipment
Reagents - Chemical and Flocculants
Thickeners
Water Clarification and Treatment

Main Office

1601 W Diehl Rd
Naperville, IL 60563 United States of America
Phone: (630) 854-1340
www.ecolab.com/about/industries-we-serve/mining-and-mineral-processing

National Institute for Occupational Safety & Health

Booth 1303

The NIOSH Mining Program's mission is to eliminate mining fatalities, injuries, and illnesses through relevant research and impactful solutions. In our current research, we are working hard to reduce miner overexposure to hazardous dust and diesel contaminants, reduce miner overexposure to noise, remediate risk factors for musculoskeletal disorders, eliminate fatalities and injuries caused by mobile and stationary equipment, eliminate fatalities and injuries caused by rock falls and damaged ribs, and reduce the risk of mine disasters. We value relevance, impact, excellence, integrity, innovation, and collaboration as we join our stakeholders in fostering an industry of safe mines and healthy workers.

Products & Services

Government Agency - Entity

Main Office

626 Cochran Mill Rd
Pittsburgh, PA 15236 United States of America
Phone: (412) 386-6649
www.cdc.gov/niosh/mining

National Stone, Sand & Gravel Association (NSSGA)

Booth 1838

NSSGA is the leading voice and advocate for the aggregates industry. Our members include crushed stone, sand & gravel producers, industrial sand producers and the equipment manufacturers & service providers who support them. NSSGA advances public policies that protect and expand the safe, environmentally responsible use of aggregates that build America's infrastructure and economy. NSSGA advocates for members' interests on health, safety and environmental issues. In addition, NSSGA offers its members opportunities to participate in education and trade-shows that include CONEXPO-CON/AGG, AGG1 Academy & Expo, Young Leaders and the NSSGA Annual Convention.

Products & Services

Educational
Professional Society or Association
Safety Awards
Training Services

Main Office

66 Canal Center Plz, Ste 300
Alexandria, VA 22314 United States of America
Phone: (703) 525-8788
www.nssga.org

Naylor Pipe Company

Booth 1501

Celebrating 100 years in 2025, Naylor spiralweld steel pipe is manufactured in accordance with ASTM A-139, ASTM A-252, and ASTM A-211. Applications for Naylor spiralweld in mining service include water, high and low pressure air, ventilation, tailings or slurry lines and shaft casing. It is available in carbon and abrasion-resistant steel in diameters from 4 in. to 96 in. and thicknesses from 1/16 in. to 1/2 in. Also available are the necessary fittings and couplings, including the exclusive Naylor heavy duty wedgelock coupling, coatings and linings to complete your pipe systems.

Products & Services

Couplings - Mechanical, Flexible and Rigid
Dewatering Equipment
Pipes
Steel Pipe

Main Office

1230 E 92nd St
Chicago, IL 60619 United States of America
Phone: (773) 721-9400
www.naylorpipe.com

Neo Solutions Inc

Booth 506

Delivering solutions to your mineral processing, industrial, and water use challenges. We are skilled in both the art and science of mineral processing.

Products & Services

Reagents - Chemical and Flocculants

Main Office

1340 Brighton Rd
Beaver, PA 15009 United States of America
Phone: (724) 728-1847
www.neosolutionsinc.com

Nerospec SK USA Corp

Booth 2232

The mine technology experts with a proven track record in underground communication and automation forged over decades of combined experience. A joint venture that is more than the sum of its parts. The ceaseless drive and impressive history of the Schmidt-Kranz group together with the wireless communication and automation technology of the Nerospec group, combine to deliver highly imaginative solutions for every mine application. Nerospec SK's expertise is fully focussed on making Mines, Machines and Miners safer, efficient and more productive by crafting cutting edge communication, automation and digital mine solutions.

Products & Services

Automation
Autonomous Vehicles
Communications Equipment
Safety Equipment
Sensors

Main Office

7728 Klier Dr S
Fairview, PA 16415 United States of America
Phone: +49 15251650287
sk.nerospec.com/about-sk/

Netafim USA

Booth 500

Netafim is an Orbia Precision Agriculture business. Netafim is the world's largest irrigation company and a global leader in precision agriculture solutions committed to fight scarcity of food, water and land, for a sustainable future. Netafim USA, based in Fresno, CA, develops and manufactures drip irrigation systems for agriculture, landscape & turf, greenhouse & nursery, mining, and wastewater. Netafim offers an extensive range of irrigation solutions including driplines, filters, sprinklers, valves, water meters, digital farming equipment, and turnkey greenhouses.

Products & Services

Couplings - Mechanical, Flexible and Rigid
Dewatering Equipment
Filters, Filter Cloth and Accessories
Hoses - Valves and Fittings
Leaching Sprinklers
Meters and Gauges
Pipes
Valves
Water Clarification and Treatment

Main Office

5470 E Home Ave
Fresno, CA 93727 United States of America
Phone: (559) 453-6800
www.netafimusa.com/mining/

NETZSCH Pumps USA

Booth 1731

NETZSCH Pumps USA is the North American subsidiary of the globally operating group of NETZSCH companies. For over six decades NETZSCH has been manufacturing and supplying NEMO® Progressing Cavity Pumps and TORNADO® Rotary Lobe Pumps, NOTOS® Multiple Screw pumps, and PERIPRO® peristaltic pumps and N. Mac® grinders, macerators, metering systems, mobile pumps and accessory equipment for custom built and challenging solutions to meet your mining application

requirements. NETZSCH supplies pumps into a broad range of markets including Mining. Our innovative and premium quality products are valued worldwide.

Products & Services

Pumps

Main Office

119 Pickering Wy
Exton, PA 19341 United States of America
Phone: (610) 363-8010
www.pumps-systems.netzsch.com

Nevada Gold Mines

Booth 716

Nevada Gold Mines is a joint venture between Barrick Gold Corporation and Newmont Corporation, combining their significant assets across Nevada to create the single largest gold-producing complex in the world and realize the full potential of these mines through synergies and best-in-class operational improvements. Our mission is to be the world's most valued gold and copper mining business by finding, developing, and owning the best assets, with the best people, to deliver sustainable returns for our owners and partners.

Products & Services

Mine Operators

Main Office

1655 Mountain City Hwy
Elko, NV 89801 United States of America
Phone: (775) 213-3452
www.nevadagoldmines.com

New Mexico Institute of Mining & Technology

Booth 732

Products & Services

Educational

Main Office

801 Leroy Pl, Mineral Engr Dept
Socorro, NM 87801 United States of America
Phone: (575) 835-5836
www.nmt.edu

New York Blower Company

Booth 440

Manufacturer of industrial fans and blowers. Products include centrifugal, inline, airfoil, and propeller fans and centrifugal, open-wheel, and pressure blowers. Available with various sizes, capacities, features, arrangements, and accessories. Material construction include fiberglass reinforced plastic, aluminum, carbon steel, and stainless steel. Suitable for various applications such as aeration, cooling towers, ventilation pneumatic conveying, and pressurizing. Also offers air handling products such as unit heaters, ventilators, exhausters, and custom fans. Provide repair, maintenance, testing, weld documentation, stress analysis, and product evaluation. Industries served include automotive, marine, mining, pharmaceutical, and power generation.

Products & Services

Fans and Blowers
Pollution Control Equipment
Ventilation Systems, Materials and Equipment

Main Office

7660 Quincy St
Willowbrook, IL 60527 United States of America
Phone: (800) 208-7918
Email: nyb@nyb.com
www.nyb.com

NewFields

Booth 1608

NewFields staff has provided design and construction support services to the mining industry for over 40 years throughout world. These services have been provided on a variety of projects including tailings storage facilities, water storage diversions and reservoirs, heap leach facilities, waste rock disposal facilities, haul roads, surface water management infrastructure, facility foundations, and closure and decommissioning of these mine components. NewFields coordinates the design development with client requirements, site specific conditions, and environmental and social service providers to ensure that all existing conditions are accounted for in selection of facility location, design, operation, and closure.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Management
Geological-Physical-Technical Services and Equip
Laboratory and Scientific Services
Mine Evaluations - Surface and Underground
Sediment & Erosion Control
Transportation

Main Office

9540 Maroon Cir, Ste 300
Englewood, CO 80112 United States of America
Phone: (720) 508-3300
www.newfields.com

Ninyo & Moore Geotechnical & Environmental Sciences Consultants

Booth 2026

Since 1986, clients have turned to Ninyo & Moore for innovative solutions to complex geotechnical and environmental challenges. As a leading geotechnical and environmental sciences engineering and consulting firm, Ninyo & Moore provides specialized services to clients in both the public and private sectors. With offices in California, Nevada, Arizona, Colorado, Utah, and Texas, the firm is fully committed to being responsive, cost-efficient, and thorough in meeting its clients' project needs and objectives.

Products & Services

Consulting - Engineering
Consulting - Environmental

Main Office

9707 E. Easter Ave
Centennial, CO 80112 United States of America
Phone: (303) 629-6000
www.ninyoandmoore.com

EXHIBITORS

Nordic Lights

Booth 2040

NORDIC LIGHTS® produces premium, high-tech work and driving lights for heavy-duty vehicles in the mining, construction, forestry, material handling and agricultural industries. Productive collaboration with our partners in different branches of industry and continuous strategic investments in our own R&D department, laboratories, and the latest in simulation software has made us experts in lighting technology.

Products & Services

Lighting Systems and Lamps

Main Office

5888 South Kyana Road
Birdseye, IN 47513 United States of America
Phone: (812) 630-4738
Email: keith.schroeder@nordiclights.com
www.nordiclights.com

Noregon Systems

Booth 432

Noregon is a leading provider of solutions for the maintenance, service, and upkeep of commercial vehicles and heavy-duty equipment. Noregon's offerings include in-shop and remote diagnostic applications, interactive maintenance and service guides, custom development, and more.

Products & Services

Computer - Software and Services

Main Office

7823 National Service Rd
Greensboro, NC 27409 United States of America
Phone: (855) 889-5776
www.noregon.com/

Normet Americas, Inc

Booth 1845

Normet is an industry-leading technology company offering continuous improvement to underground mining and tunnelling processes for increased safety, productivity, and profitability. We work in close collaboration with customers and utilise our process expertise amassed over thousands of mine and tunnel projects all over the globe. We have a broad underground equipment offering; concrete spraying and transport, explosives charging, scaling, lifting, installation, and logistics. Our services are to ensure safety and productivity for our customers throughout the lifecycle this includes the supply of spare parts, rental equipment, remanufacturing and upgrades, field services, and training.

Products & Services

Diesel Mining Equipment Manufacturers
Maintenance Services
Parts - Mining Machinery
Shotcrete Equipment, Supplies and Services
Training Services
Underground - Construction and Structures

Main Office

1414 S Gladiola St, Ste 100
Salt Lake City, UT 84104 United States of America
Phone: (216) 780-4627
www.normet.com

Norseman Structures

Booth 1030

Norseman Structures offers ShelterSolutions in the pre-engineered building industry, specializing in steel framed fabric covered buildings. We offer turnkey solutions with fully integrated services including design and engineering, manufacturing, construction, financing, and documentation. Norseman Structures is a leading provider of pre-engineered buildings for mining companies around the world. Our solutions include truck shops, wash bays, warehouses, bulk material handling facilities, core cutting and processing facilities, water treatment plants, gymnasiums, and more. Norseman has been delivering Fiercely Reliable ShelterSolutions for over 100 years, and has designed solutions fit for the needs of some of the world's most advanced mining companies.

Products & Services

Construction - Contracting Services
Linings and Claddings
Temporary Structures

Main Office

3815 Wanuskewin Rd
Saskatoon, SK S7P 1A4 Canada
Phone: (306) 385-2888
Email: marketing@norsemanstructures.com
www.norsemanstructures.com

Northern Star Resources

Booth 1658

Northern Star is a global-scale Australian gold producer with world class projects located in highly prospective and low sovereign risk regions of Australia and North America. The Company has a portfolio of high-quality, high-margin underground and open pit gold mines, and is firmly focused on delivering superior shareholder returns. Northern Star is listed on the Australian Securities Exchange (ASX: NST). Northern Star continues to invest in building its asset base through strategic acquisitions and aggressive exploration to extend the mine lives across its world class operations.

Products & Services

Mine Operators

Main Office

3204 International St
Fairbanks, AK 99709 United States of America
Phone: (907) 895-2841
www.nsrld.com/

NorthStar

Booth 850

NorthStar is the Nation's largest self-perform Impoundment/Landfill constructor. ENR Magazine also ranks NorthStar as No. 1 in Demolition, No.1 in Coal Ash, No.2 in Nuclear Decommissioning. NorthStar's emphasis is in mine restoration, mine tailings remediation and acid mine waste to include Abandon Mine Land (AML) projects both nuclear and non-nuclear sites. In support of our mine restoration NorthStar also owns the WCS Nuclear Waste Landfill in Andrews, Texas

Products & Services

Backfilling
Dredges
Mine Operators

Mining Contractors
Remediation

Main Office

885 John Ct.
Lawrenceville, GA 30046 United States of America
Phone: (770) 335-1101
www.northstar.com

Northwest Instruments and Controls

Booth 549

We are a manufacturers representative. Will be showing valves, centrifuges, analyzers and instrumentation for the mining industry.

Products & Services

Analyzers
Centrifuges
Process Controls and Instruments
Valves

Main Office

4950 Goodman St
Timnath, CO 80547 United States of America
Phone: (970) 224-9129

Northwest Towers

Booth 2123

Industrial wireless network provider, integrator, and manufacturer. Turnkey, sitewide deployments. Complete design build services and post installation maintenance programs. Tower construction, underground and in building infrastructure installation, fleet installations, and onsite maintenance. LTE, 5G, WIFI, millimeter wave, microwave, and all other forms of wireless communication. Northwest Towers manufactures rugged wireless accessories and devices designed for the mining environment. Remote power and communication trailers, antennas, routers, access points, cable assemblies, and towers. We welcome the opportunity to manufacture custom equipment for your application. Northwest Towers partners with the best in the industry supplying applications such as fleet management, tracking, and more.

Products & Services

Automation
Communications Equipment
Computer - Hardware and Services
Computer - Software and Services
Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Controls - Electrical and Electronic
Maintenance Services
Training Services

Main Office

12119 NE 99th Ave, Ste 2000
Vancouver, WA 98682 United States of America
Phone: (503) 548-2005
www.nwtowers.com

Odin Construction Solutions

Booth 417

Odin is an award-winning contractor specializing in turnkey environmental remediation, geotechnical, and heavy civil construction projects nationwide. We



became a communal ally through our commitment to safety, quality, collaboration, and community. Through initial project development and engineering design, field construction, and remedial action implementation, we ensure that the impact of every step forward results in enhancing the balance between site construction requirements and the surrounding communities through protection and preservation. Our team specializes in working alongside public and private sector clients on diverse Environmental Remediation, Heavy Civil Construction, Geotechnical Construction, Habitat & Wetland Construction, and Emergency & Disaster Service projects.

Products & Services

Backfilling
Mining Contractors
Reclamation Equipment and Services
Remediation
Underground - Construction and Structures

Main Office

2901 Douglas Blvd, Ste 300
Roseville, CA 95661 United States of America
Phone: (916) 251-5500
odinenv.com

Okane Consultants

Booth 635

Okane is an integrated engineering and geoscience consulting firm. We help mining companies incorporate adaptive closure planning and waste manage-

ment practices into their mine plans to reduce closure liability and so that the land can be relinquished responsibly and safely at the end of a mine's lifecycle. We believe in challenging the status quo and advocate for meaningful partnerships and positive outcomes for community stakeholders and Indigenous rightsholders. Our solutions help our clients achieve positive financial, environmental, and social outcomes from feasibility through to relinquishment.

Products & Services

Consulting - Engineering
Consulting - Environmental

Main Office

1000 7 Avenue SW, Suite 700
Calgary, AB T2P 5L5 Canada
Phone: (587) 583-1327
www.okaneconsultants.com

Open Loop Energy, Inc

Booth 2023

Open Loop Energy, Inc. was founded in 1992 as an Arizona corporation. It began operations in Safford, Arizona to serve the Southwestern mining and construction industries. Our core business is centered on hydraulic component repair and reclamation. Open Loop expanded its capabilities to Winnemucca, Nevada in 1998, Cedar Fort, Utah in 2012, and Farmington, New Mexico in 2016. Open Loop is now positioned far beyond any other hydraulic repair facility in the West and is known for providing solutions to customers' problems with

quality customer care.

Products & Services

Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Hydraulic System Components
Mine Operators

Main Office

1722 N 8th Ave
Safford, AZ 85546 United States of America
Phone: (575) 644-2907
www.openloop.net

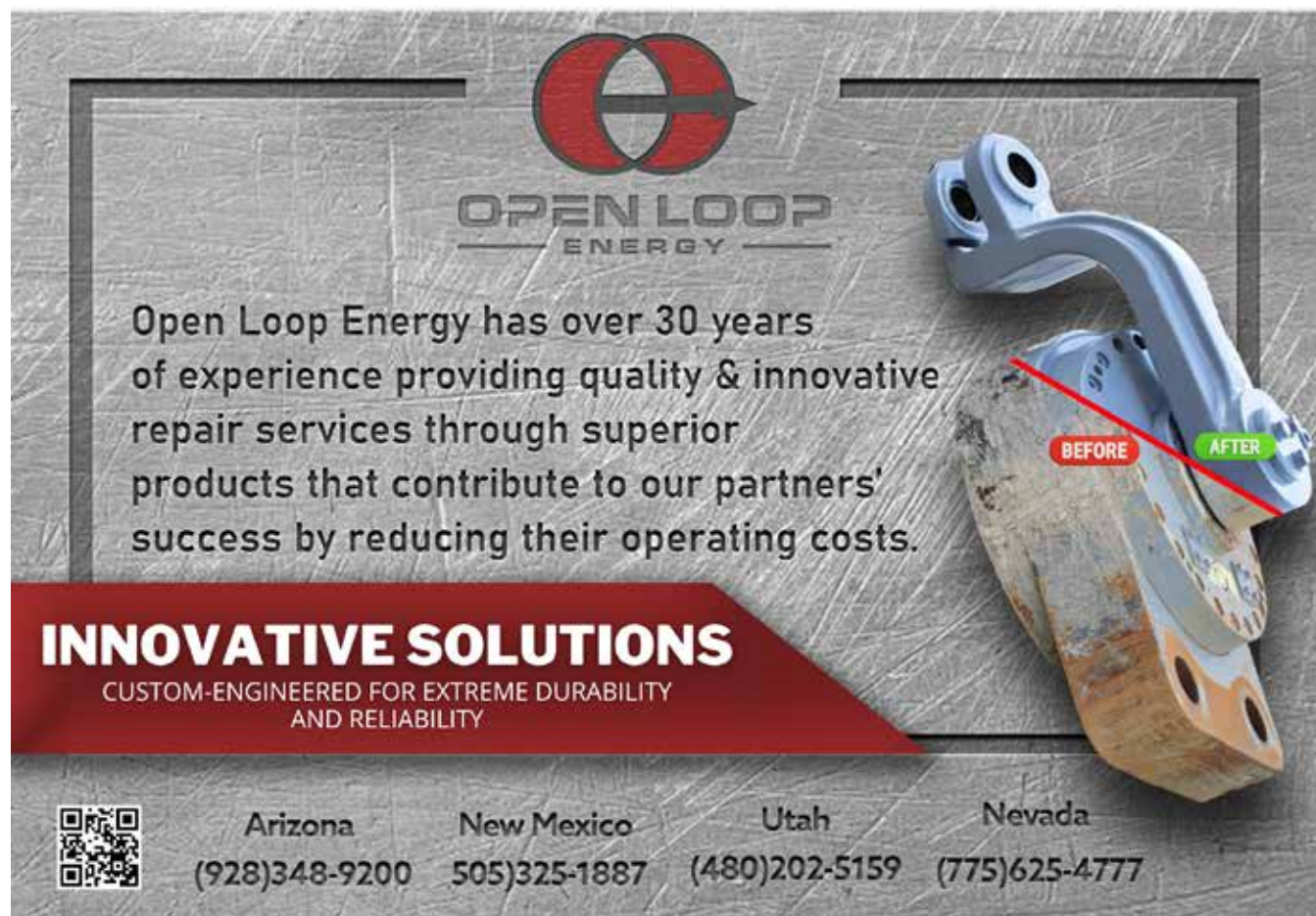
ORE-MAX

Booth 700

Ore-Max's emitterline (drip line) is made with plug-resistant emitters (drippers) specifically designed for heap leaching. Because Ore-Max's emitter has more screen area and wider flow paths than any other emitter available, it will operate longer without plugging, ensuring ongoing mineral recovery. Ore-Max supplies a full range of lay flat hose, valves, fittings, sprinklers and drainage piping, and our experienced engineers can design your heap leach system from the ground up.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Cyanide Process Equipment
Filters, Filter Cloth and Accessories
Hoses - Valves and Fittings




OPEN LOOP
 ENERGY

Open Loop Energy has over 30 years of experience providing quality & innovative repair services through superior products that contribute to our partners' success by reducing their operating costs.

INNOVATIVE SOLUTIONS
CUSTOM-ENGINEERED FOR EXTREME DURABILITY AND RELIABILITY

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EXHIBITORS

Leaching Sprinklers
Meters and Gauges
Pipes
Valves

Main Office

PO Box 23666
Portland, OR 97281 United States of America
Phone: (503) 692-5353
Email: sales@ore-max.com
www.ore-max.com

Orica

Booth 1711

From the production and supply of explosives, blasting systems, specialty mining chemicals, to our cutting-edge digital solutions from orebody intelligence to geosolutions and comprehensive range of services, we sustainably mobilise the earth's resources. Operating for 150 years, today our 14,000+ global workforce supports customers across surface and underground mines, quarry, construction, and oil and gas operations. Sustainability is integral to our operations. We have set an ambition to achieve net zero emissions by 2050 and are committed to playing our part in achieving the goals of the Paris Agreement. For more information visit www.orica.com

Products & Services

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Safety Equipment
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mining industry

www.PatersonCooke.com

 **Paterson & Cooke**
KNOWLEDGE | EXPERIENCE | PASSION

Main Office

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3002, Australia
Melbourne 3002 Australia
Phone: +61 3 9665 7111
Email: companyinfo@orica.com
www.orica.com/

P.W. Gillibrand Co, Inc

Booth 648

Gravel pack for dewatering wells.

Products & Services

Well Completion Equipment

Main Office

4537 Ish Dr
Simi Valley, CA 93063 United States of America
Phone: (805) 428-4292
www.pwgillibrand.com

Pacific West Environmental & Infrastructure

Booth 1763

Products & Services

Construction - Contracting Services
Drilling Contractors
Excavators
Reclamation Equipment and Services
Remediation
Sediment & Erosion Control
Transportation
Underground Excavation Services and Equipment

Main Office

1555 West 2200 South, Suite A
Salt Lake City, UT 84119 United States of America
Phone: (877) 821-5456
pwenviro.com/

 **Paterson & Cooke**
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Paterson & Cooke USA, Ltd

Booth 1325

Paterson & Cooke is an independent company renowned and trusted for its expertise in a wide range of areas that include slurry pipelines, tailings and mine backfill, and mineral processing with experience in detailed engineering and execution of multi-disciplinary projects. We pride ourselves on the quality of our work and on being able to offer innovative solutions supported through years of experience backed up by our offices and comprehensive mineral processing laboratory facilities in Australia, Canada, Chile, South Africa, United Kingdom, and the USA.

Products & Services

Backfilling
Consulting - Engineering
Laboratory and Scientific Services
Training Services

Main Office

221 Corporate Cir, Ste D

Golden, CO 80401 United States of America
Phone: (925) 278-8310
www.patersoncooke.com

Pencco, Inc

Booth 1463

Pencco is a national producer and distributor of iron products, with many applications for mining including mineral extraction and isolation. With five manufacturing plants nation-wide, we are grateful to be many individuals' vendor of choice due to our reliable, high-quality products and personalized service. Our manufacturing facilities across the United States are complemented by an extensive distribution network of storage terminals, dedicated tanker trucks, and railcars. Our distribution network ensures accurate, timely delivery of our products. Now celebrating our 40th year of business, we are excited for our growth and opportunities to serve new markets.

Main Office

PO Box 600
San Felipe, TX 77473 United States of America
Phone: (979) 885-0005
www.pencco.com

Penn State University

Booth 1359

Penn State's Mining Engineering program is one of the oldest in the country and has proudly provided many engineers, researchers, and leaders to the global mineral industry. The program is housed in the John and Willie Leone Family Department of Energy and Mineral Engineering, which offers a range of degree programs addressing the effective production, conversion, use and management of mineral resources. Its mission is to educate engineers, scientists, and professionals who will help provide society with an affordable supply of energy and minerals; work to ensure human health and safety; and protect and maintain the quality of the environment.

Products & Services

Educational

Main Office

110 Hosler Bldg
University Park, PA 16802 United States of America
Phone: (814) 865-3437
www.eme.psu.edu

Penndrill

Booth 2231

Our Grouting Equipment division, based out of Winchester VA, manufactures quality machines and parts focused on reliability you can depend on and top notch customer service. Our extensive rental fleet and fully stocked parts department can help you tackle your next job.

Products & Services

Agitators, Vibrators and Mixers
Automation
Bins, Hoppers, Silos and Storage
Grouting Services, Equipment and Materials
Pumps

Main Office

321 Arbor Ct
Winchester, VA 22602 United States of America
Phone: (866) 459-5309
Email: salesVA@penndrill.com
www.penndrill.com

Petroleum Solids Control, Inc*Booth 2236*

Decanter and tricanter rental centrifuges.

Main Office

1320 E Hill St
Signal Hill, CA 90755 United States of America
Phone: (562) 424-0254

Pexgol*Booth 139*

Pexgol is a heavy duty cross-linked polyethylene (PE-Xa) pipe for mining and other industries. Available in sizes up to 28" diameter and in long spool lengths, Pexgol has some unique benefits for the mining industry including corrosion resistance, excellent abrasion resistance, high and low temperature capabilities, outstanding anti-scaling properties, exceptional durability and resistance to impact, scratching & point loads. It can be used for transportation of slurries, brine transfer, de-watering, water supply, compressed air and other mine applications, as well as for mineral processing.

Products & Services

Pipes

Main Office

Kibbutz Shaar HaGolan
Kibbutz Shaar HaGolan 1514500 Israel
Phone: +972525589455
www.pexgol.com

Philadelphia Gear*Booth 2007*

Working together, Standard Machine® and Philadelphia Gear® combine over a century of experience to offer one of the broadest product ranges for the mining industry anywhere in the world. In addition to bearings and gearboxes, we offer mining replacement parts for electric shovels and draglines, blast hole drills, drive and under-carriage system components, as well as other critical parts like swing or shipper shafts, crowd pinions, and gearing for open pit mining machines. Visit www.standardmachine.ca or www.philagear.com to learn more.

Products & Services

Electric Motors and Generators
Gears - Pullers, Reducers and Pinions
Maintenance Services
Parts - Mining Machinery
Power Transmission Equipment
Refinery Equipment

Main Office

935 1st Ave, Ste 200
King of Prussia, PA 19406 United States of America
Phone: (800) 766-5120
Email: info@philagear.com
www.philagear.com

Phillips & Jordan, Inc*Booth 1438*

Phillips & Jordan, Inc. (P&J) is a woman-owned, heavy civil and infrastructure contractor established in 1952. Our Core Values and Priorities – Integrity, Safety, Quality, and Production – guide our daily business practices. We hold safety as imperative above all other objectives. P&J works closely with mine owners, developers, engineers, and designers to deliver turnkey site development packages for a variety of mining project types that have included new dam and tailings construction and expansions; commercial and industrial; rail and roadway construction; HDPE pipe and liner construction; unloading & loading facilities; contract mining; and reclamation and remediation.

Products & Services

Construction - Contracting Services
Mining Contractors
Trucks and Haulage Units

Main Office

10901 W 120th Ave, Ste 300
Broomfield, CO 80021 United States of America
Phone: (865) 228-2722
www.pandj.com

Phoenix Industrial*Booth 1339*

Phoenix Industrial is a heavy industrial general contractor headquartered in Vancouver, WA and is a wholly – owned subsidiary of MasTec, Inc., a minority controlled \$13 billion Fortune 500 Company. Our well-trained, motivated employees are our greatest asset, allowing us to excel at self-performing complex projects. Within the industrial industry we are known for our excellent safety record and ability to complete tough jobs in remote locations. Each project receives the full attention of everyone on our team, from the skilled craftsmen on the ground all the way up to the company president.

Products & Services

Construction - Contracting Services
Mining Contractors

Main Office

2111 SE Columbia Wy, Bldg 7, Ste 120
Vancouver, WA 98661 United States of America
Phone: (360) 601-7143
www.phxind.com

Phoenix Lighting*Booth 927*

Phoenix Lighting designs and manufactures heavy-duty lighting for the mining industry's harshest environments. The US-based company provides innovative, durable products that are built to last and supports them with technical expertise and outstanding customer service. Mine operators take advantage of Phoenix's 78 years of industry experience to decrease maintenance costs, extend safety initiatives and achieve greater productivity. Phoenix offers OEM partner programs for equipment manufacturers and engineering firms. Phoenix's new technologies for better visibility are made for the entire mine site. You'll find Phoenix lights on large AC equipment, mobile DC equipment, hazardous locations, haul roads, conveyor belts and infrastructure.

Products & Services

Blasting Accessories, Equipment and Agents
Conveyor Belting - Accessories and Equipment
DC Power
Diesel Equipment Lighting Systems
Electrical Equipment and Supplies
Lighting Systems and Lamps
Parts - Mining Machinery
Safety Equipment
Underground Excavation Services and Equipment

Main Office

8711 West Port Avenue
Milwaukee, WI 53224 United States of America
Phone: (414) 973-3330
www.phoenixlighting.com/mining

PHOENIX Process Equipment*Booth 924*

PHOENIX provides systems for sand and mining minerals classification; fines slurry separation, thickening, and dewatering; separating lightweight, deleterious materials from aggregate and minerals products; and for dewatering tailings slurries from aggregate and minerals processing plants. Equipment includes: HS HYDROSORT™ hindered settling classifiers for sand classification and/or deleterious material separation, PHOENIX/KISA Bucket Wheels for sand classification and dewatering, HiFlo™ and AltaFlo™ Thickeners for slurry thickening, volume reduction, and water clarification, Paste Thickeners for high density dry stack tailings disposal and PHOENIX Belt Filter Presses, Recessed Chamber Filter Presses and Membrane Filter Press for tailings dewatering and water recovery.

Products & Services

Centrifuges
Classifiers
Dewatering Equipment
Filters, Filter Cloth and Accessories
Laboratory and Scientific Services
Screens
Separators and Concentrators
Thickeners
Washing Plants
Water Clarification and Treatment

Main Office

2402 Watterson Trl
Louisville, KY 40299 United States of America
Phone: (502) 499-6198
www.dewater.com

PhotoSat*Booth 1532*

Founded in 1993, PhotoSat is a technology company committed to providing better data for better decisions. Using deep learning algorithms, we produce engineering grade surveys from satellite imagery. Each elevation survey is equivalent to a DTM/DEM and produced without site access. With PhotoSat, engineers get quality elevation data that can be used for development, tailings management, mine site operations, and more. We work with operating mines, exploration companies, and engineering consultants around the world and have delivered more than 1,300 mine site surveys in over 75 countries.

EXHIBITORS

Products & Services

Aerial Mapping and Surveying

Main Office

1188 W Georgia St, Ste #580
Vancouver, BC V6E 4A2 Canada
Phone: (604) 681-9770
Email: info@photosat.ca
www.photosat.ca/

Piteau Associates Engineering Ltd

Booth 1436

Piteau Associates strives to cultivate and sustain long-term relationships with a diverse range of clients around the globe. As trusted strategic advisors to our clients, our committed team of professionals and technical experts provide state-of-practice, cost-effective, sustainable geotechnical and water management solutions

Products & Services

Consulting - Engineering

Main Office

9090 Double Diamond Pkwy
Reno, NV 89521 United States of America
Phone: (520) 355-2559
www.piteau.com

Pocock Industrial, Inc

Booth 1333

Products & Services

Centrifuges

Consulting - Engineering

Consulting - Research

Dewatering Equipment

Filters, Filter Cloth and Accessories

Ion Exchange Equipment and Resins

Laboratory and Scientific Services

Reagents - Chemical and Flocculants

Thickeners

Water Clarification and Treatment

Main Office

6188 S 300 W
Salt Lake City, UT 84107 United States of America
Phone: (801) 703-8055
www.pocockindustrial.com

Polycorp Ltd

Booth 1846

Products & Services

Grinding Media and Liners

Linings and Claddings

Rail Systems and Supplies

Main Office

33 York St
Elora, ON N0B 1S0 Canada
Phone: (800) 265-2710
www.poly-corp.com

Polydeck

Booth 1918

Since 1978, Polydeck has been the leading provider of the most dependable synthetic screen media in the aggregate, energy & industrial, and mining industries across North and South America. We are pioneers, inventors and we take pride in putting our customers first and providing custom solutions for any of your screening needs. We love the work but your success is our reward. To know that you have the screens you need to keep your plant running, producing faster and producing more, is what we call Together Strong.

Products & Services

Screens

Main Office

1790 Dewberry Rd
Spartanburg, SC 29307 United States of America
Phone: (864) 579-4594
www.polydeck.com

Precision Pulley & Idler

Booth 719

Products & Services

Conveyor Belting - Accessories and Equipment

Main Office

300 SE 14th St
Pella, IA 50219 United States of America
Phone: (641) 628-3115
www.ppi-global.com

Premier Pressure Control

Booth 425

We specialize in lightweight drilling equipment including blowout preventers, diverter systems, valves and dewatering systems. Our equipment is rated to 3,000 psi working pressure and is available in 3" to 13" bore. All equipment is manufactured in The United States in Oklahoma City, OK.

Products & Services

Dewatering Equipment

Drilling Equipment

Exploration Equipment and Services

Grouting Services, Equipment and Materials

Pumps

Safety Equipment

Tunnel Boring Equipment

Well Completion Equipment

Main Office

1715 Lowry Ave
Oklahoma City, OK 73129 United States of America
Phone: (405) 370-0659
www.premierpressurecontrol.com

Presto Geosystems

Booth 941

Presto Geosystems, inventor of the original geocell and a leader in geosynthetics since the 1970s, manufactures the GEOWEB® geocells to address diverse soil stabilization needs across industries, including mining. Our solutions enhance site access efficiency, storm-water management, and geomembrane protection, thereby improving safety and sustainability in mining operations. By enabling the use of on-site materials, the

GEOWEB Soil Stabilization System helps reduce costs and boost operational efficiency. We are committed to prioritizing our customers' needs, as well as delivering practical and cost-effective solutions to meet the unique challenges of the mining sector.

Products & Services

Consulting - Environmental

Environmental Control Equipment and Supplies

Geological-Physical-Technical Services and Equip

Linings and Claddings

Pollution Control Equipment

Rail Systems and Supplies

Reclamation Equipment and Services

Remediation

Sediment & Erosion Control

Underground - Construction and Structures

Main Office

670 N Perkins St
Appleton, WI 54914 United States of America
Phone: (920) 738-1328
www.prestogeo.com

Process Technology, Inc

Booth 512

PTI (Process Technology, Inc.) and PLA (Precision Light & Air) will demo the SmartDiver MudDiver. An automatic Mud-Diver, Tank Profiling & interface Detection System for clarifiers, thickeners & CCD's for the mining industry. Contact our Mining Instrumentation Specialists, Matt Smith, PLA and Greg Martin, PTI. PLA has a good story to tell with bed level measurements being able to help with control of both concentrate and tailings thickeners. PTI in conjunction with PLA will be showcasing SmartDiver, automatic bed level measurement in thickeners, clarifiers and CCD's. SmartDiver also provides tank profiling (suspended solids vs

Products & Services

Automation

Measurement and Monitoring Systems

Sediment & Erosion Control

Sensors

Solvents - Extraction, Mixer and Settlers

Thickeners

Main Office

1955 West Industrial Cir
Salt Lake City, UT 84104 United States of America
Phone: (801) 264-1114
Email: process@process-tech.com
www.process-tech.com

Propeller

Booth 238

Propeller is an easy-to-use platform that combines the best GIS and survey technologies. We empower users to map, measure and manage their worksites like never before, powering more than 85,000 users across 47,000 worksites in over 88 countries. Propeller's realistic 3D map is the place where collaboration happens. One map means one team. It's a one-stop hub for communication and transparency between teams and businesses. And, with just a few clicks, project teams access critical insights that make their jobs simpler, faster, and smarter. Revolutionizing the way they work, from the ground up.

Products & Services

Aerial Mapping and Surveying
Computer - Hardware and Services
Computer - Software and Services
Mine Operators
Mining Contractors
Surveying Equipment and Supplies

Main Office

3360 Walnut St
Denver, CO 80205 United States of America
Phone: (720) 336-9927
www.propelleraero.com

PROVIX

Booth 1338

PROVIX is well recognized for Vision Enhancement and Collision Avoidance Solutions in mining. PROVIX supplies and installs 360 and AI camera systems, Remote Control systems with IP and analog Video Systems on mobile and stationary equipment for remote operations and process monitoring that offer increased safety and productivity. Supplier of LVL 9 EMERST collision avoidance and safety systems. PROVIX cameras are deployed on bolters, jumbos, drills, scoops, haul trucks, loading chutes, breakers, for bins, stopes, borehole inspection, raise bores, ITH drills, back/paste fill, and more. Cost-Effective custom video solutions for any application. WISDOM Cap Lamp supplier.

Products & Services

Alarm Systems
Automation
Communications Equipment
Lighting Systems and Lamps
Maintenance Equipment and Supplies
Process Controls and Instruments
Rail Systems and Supplies
Safety Equipment
Sensors
Tunnel Boring Equipment

Main Office

3 Greengage Rd
New Lowell, ON L0M 1N0 Canada
Phone: (519) 803-5805
Email: sales@provix.net
www.provix.net

PumpEng

Booth 1835

PumpEng is an independent Australian company that designs, manufactures and services dewatering pumps for mining companies worldwide. With a 20-year track record, PumpEng uses state-of-the-art pump designs and materials to support modern mines and conditions.

Products & Services

Dewatering Equipment
Pumps

Main Office

PO Box 86
Buhl, ID 83316 United States of America
Phone: (208) 749-7636
www.pumpeng.com.au/

Purolite, An Ecolab Company

Booth 1748

Products & Services

Filters, Filter Cloth and Accessories
Ion Exchange Equipment and Resins
Quality Improvement
Water Clarification and Treatment

Main Office

2201 Renaissance Blvd
Suite 400
King Of Prussia, PA 19406 United States of America
Phone: (610) 668-9090
puroliteresins.com/



Putzmeister

Putzmeister Shotcrete Technology

Booth 1640

Products & Services

Grouting Services, Equipment and Materials
Pumps
Shotcrete Equipment, Supplies and Services

Steel Pipe
Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

1733 90th St
Sturtevant, WI 53177 United States of America
Phone: (262) 886-3200
www.Putzmeister.com



QSP Packers, LLC

Booth 141

Mfg./Supplier of Inflatable NQ, HQ, PQ (HWT) Wireline Packers, Grout Packers, Straddle Packers, Water Wells, for Hole Diameters 1.75" ID to 18" ID & Custom Set-Up for your Application. Mechanical Packers for use in Cased Wells, or Smooth ID Cored Boreholes for Low Pressure Grouting, Freeze Plugs, for 2" & 4" ID Holes. Custom Sizes can be Fabricated. Please Mark or Ron for All Your Packer Needs. Monday - Friday 7:30 AM to 4:30 PM

Products & Services

Dewatering Equipment
Environmental Control Equipment and Supplies
Grouting Services, Equipment and Materials
Inflatable and Mechanical Packers



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QPEC remains the trusted leader in solvent extraction technology. Our world-renowned QPEC SX Mixer-Settlers deliver superior performance, productivity, and cost savings for mining and mineral processing operations.

Our unique mixer-settler design requires no pumps within the QPEC SX battery limits, enhancing reliability. The inherent design flexibility allows the system to easily absorb moderate fluctuations in flow rates, providing a robust, operator-friendly solution.

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Rick Quinn/Eric Smeltzer
303-295-2872 | quinnproc@quinnprocess.com

EXHIBITORS

Tunnel Lining and Support Materials
Well Completion Equipment

Main Office

13701 24th Street East, Unit A-9
Sumner, WA 98390 United States of America
Phone: (253) 770-0315
Email: info@QSPPackers.com
www.QSPPackers.com

Quadra Chemicals Inc

Booth 206

A trusted partner providing chemical solutions from mining, to milling to market. Quadra Group offers you unmatched reliability for a secure and continuous supply of mining reagents and services. Quadra's commitment to reliability of supply, complemented by on-site technical service to the most remote and challenging environments instills confidence and peace of mind. The strong relationships built over decades with world-class manufacturers, coupled with a second-to-none logistics team and strategic warehouse network means our team of experts deliver exceptional value to your mining operations.

Products & Services

Reagents - Chemical and Flocculants
Training Services
Water Clarification and Treatment

Main Office

21 Waterway Ave, Ste 200
The Woodlands, TX 77380 United States of America
Phone: (800) 681 2313
quadragroup.com/en-us/



Quinn Process Equipment Co

Booth 1522

Quinn Process Equipment Company specializes in the design and manufacture of the free-standing FRP QPEC SX Mixer-Settler systems for a broad range of applications and sizes and are available in a wide range of FRP resins to cover just about any situation involving corrosives or temperature or both. Flowrates from a few liters per minute to 7.5 cubic meters per minute are within our range with simplex, duplex and even triplex mixers available. We ship all systems all over the world.

Products & Services

Solvents - Extraction, Mixer and Settlers

Main Office

PO Box 2589
Littleton, CO 80161 United States of America
Phone: (303) 295-2872
www.quinnprocess.com

Radom Instruments

Booth 736

MICAP-OES 1000 is The World's Smallest ICP: Produces highly efficient plasma energy coupling. Simultaneous measurement of periodic table. Eliminates need for water cooling. Provides superior sample matrix toler-

ance. Small, lightweight design goes from box to bench installation in less than an hour. Can be installed at the exploration location to significantly shorten the operations decision time. Eliminates the need for combustible gases in remote locations. Can run from a nitrogen generator to eliminate the problem of ongoing sourcing of gases. Has the smallest footprint of any commercially available optical emission spectrometer with an easy-to-use application software.

Products & Services

Analyzers
Assay Equipment
Diesel Particulate Control Systems
Environmental Control Equipment and Supplies
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Pollution Control Equipment
Process Controls and Instruments
Sampling Devices

Main Office

N27W23676 Paul Rd
Pewaukee, WI 53072 United States of America
Phone: (262) 893-3940
Email: inquiries@radomcorp.com
www.radominstruments.com/

Rail-Veyor Technologies Global Inc

Booth 1625

Railveyor is a safe, clean and profitable material haulage system for the smarter, Net Zero mine of the future. Rail-veyor Technologies Global Inc. (RVTG) offers the low emission, fully-electric, battery-free and TrulyAutonomous solution to the mining and industrial materials sectors and more. The unique light rail system results in high energy efficiency, industry-leading OPEX and enhanced worker safety. The RVTG international headquarters and John McCall Testing Facilities are located in Sudbury, Ontario. The Technology Center and United States regional office is located in Houghton, Michigan. Railveyor has installed eight systems globally.

Products & Services

Autonomous Vehicles
Conveyor Systems
Rail Systems and Supplies
Transportation
Trucks and Haulage Units

Main Office

40 Larch St, Unit 201
Sudbury, ON P3E 5M7 Canada
Phone: (844) 288-0450
Email: info@railveyor.com
www.railveyor.com

Rain for Rent

Booth 1513

Rain for Rent is a leading provider of temporary liquid handling solutions including pumps, tanks, filtration and spill containment. Projects range from flood relief to construction site dewatering, sewer bypasses and industrial plant turnarounds. The company is known for its systems engineering expertise and its ability to tackle complex jobs cost effectively, providing an

exceptionally high value. Family owned and operated since 1934, it serves all 50 states and Canada from over 60 locations.

Products & Services

Dewatering Equipment
Pipes
Pumps
Refinery Equipment
Safety Equipment

Main Office

5101 Office Park Dr, Ste 100
Bakersfield, CA 93309 United States of America
Phone: (800) 742-7246
www.rainforrent.com

Ram Alloys

Booth 1850

Products & Services

Castings
Couplings - Mechanical, Flexible and Rigid
Fans and Blowers
Fasteners - Industrial
Gears - Pullers, Reducers and Pinions
Pumps
Seals
Valves
Washing Plants
Water Clarification and Treatment

Main Office

18250 Kieth Harrow Blvd
Houston, TX 77084 United States of America
Phone: (713) 466-1890
www.ramalloys.com

RAM Enterprise, Inc

Booth 601

RAM Enterprise provides specialized industrial services as well as manufactures and distributes products to the bulk material handling industry. Those specialized services include turn-key general contracting solutions, underground services, process piping, concrete foundations and flat work, structural steel erection, complete conveyor installation and commissioning, coatings and rubber lining, process equipment installation and commissioning, and electrical services. With hundreds of customers worldwide, RAM is the safest and most trusted material handling company in the industry.

Products & Services

Coatings (does not include Linings and Claddings)
Construction - Contracting Services
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Crushers and Pulverizers
Feeders
Linings and Claddings
Parts - Mining Machinery
Pipes
Underground - Construction and Structures

Main Office

1225 W Main St
Elko, NV 89801 United States of America
Phone: (775) 738-3997
www.ram-enterprise.com



Ramboll

Booth 744

Ramboll is a global architecture, engineering and consultancy company, employing more than 18,000 experts. We work across the markets of Buildings, Transport, Energy, Environment & Health, Water, Management Consulting and Architecture & Landscape. We leverage local experience with a global knowledgebase to deliver sustainable, integrated solutions. Our globally recognized Environment & Health practice has earned a reputation for technical and scientific excellence and innovation. We are trusted by clients to manage their most challenging environmental, health and social issues, and continually strive to achieve inspiring and exacting solutions that make a genuine difference to our clients, the environment and society.

Products & Services

Consulting - Engineering
Consulting - Environmental
Remediation

Main Office

1999 Broadway, Ste 2225
Denver, CO 80202 United States of America
Phone: (303) 382-5460
www.ramboll.com/

Rango Inc

Booth 1907

At Rango, we offer all the equipment and expertise you could need to complete a wide array of projects, including mining, excavation, construction, reclamation, managed services and heavy transport. With our diverse fleet of heavy machinery and experienced, customer focused leadership, Rango is the team to call for safe, efficient production.

Products & Services

Mining Contractors

Main Office

4215 E McDowell Rd, Ste 201
Mesa, AZ 85215 United States of America
Phone: (480) 729-6537
www.rangoinc.com

Rapat Corporation

Booth 706

Rapat offers a full line of material handling equipment, including structural steel trussed, structural steel channel, and enclosed frame belt conveyors, bucket elevators, corrugated sidewall belt conveyors, chain conveyors, and distributors. These individual pieces of equipment can be customized and integrated into a material handling system with all the necessary structural steel support bents, towers, service platforms, stairs, ladders, and interconnecting chute work required for your specific application.

Products & Services

Bins, Hoppers, Silos and Storage
Blending Systems
Consulting - Design and Planning
Consulting - Engineering
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Feeders

Grizzlies - Feeding, Moving and Stationary
Longwall Mining Equipment
Reduction Technologies - Iron Ore, Steel, Mineral

Main Office

919 O'Donnell St
Hawley, MN 56549 United States of America
Phone: (218) 483-3344
www.rapat.com

RDO Equipment Company

Booth 1948

RDO Equipment Company is the exclusive dealer for Carlson Machine Control for mining in the United States. We are also the dealer for Grydale industrial dust collection, industry-leading Wingtra UAS/UAV dealer, master Topcon dealer of GPS, lasers, survey, mobile mapping, GIS, Emesent LiDAR equipment, iVolve fleet management, as well as Rajant Wireless MESH.

Products & Services

Aerial Mapping and Surveying
Communications Equipment
Consulting - Engineering
Controls - Electrical and Electronic
Drilling Equipment
Information Technology Products
Maintenance Services
Process Controls and Instruments
Surveying Equipment and Supplies

Main Office

5221 Midland Rd
Billings, MT 59101 United States of America
Phone: (406) 259-5536
www.RDOequipment.com

Redwave Solutions US LLC

Booth 738

Redwave is an industry leader in advanced sensor sorting for the mining and mineral processing industries. Our sorting machines and whole plant solutions are based on camera, NIR and XRF technologies and can upgrade your product quality, recover good material from waste dumps and extend the life of mines and quarries. Each system is custom designed for your specific task. Our technology is constantly improved from our experience gained by the hundreds of Redwave installations worldwide. From base and precious metals to industrial minerals, we have a solution that will guarantee you the highest yield and best quality.

Products & Services

Analyzers
Classifiers
Consulting - Design and Planning
Sensors
Separators and Concentrators



RAM INDUSTRIAL CONSTRUCTION

Learn More At
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Booth #601**

THE NEW WAY TO SAFELY AND EFFICIENTLY ENSURE UNDERGROUND MINER'S SAFE EZ-S-CAPE

▶ 866-300-2801 ◀ ▶ RAM-Enterprise.com ◀

EXHIBITORS

Main Office

4080 McGinnis Ferry Rd, Ste 802
Alpharetta, GA 30005 United States of America
Phone: (470) 699-1666
Email: OFFICE-USA@REDWAVE.COM
www.redwave.com

REESCO

Booth 122

Reesco is a full-service provider of portable crushing services, screening plants, turnkey plants, and custom steel fabrication for mining, construction, and industrial projects.

In addition to designing and building much of the equipment we use in the field ourselves, we're able to manufacture equipment for our customers to meet the custom needs of a project. Our capabilities include equipment such as conveyors, feeders, fuel containers, generators, jetways, observation towers, rotors, screens, tunnels, and more. Whether you're looking to purchase or rent a piece of equipment for your upcoming job, we've got you covered.

Products & Services

Belts - Power Transmission
Bins, Hoppers, Silos and Storage
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Crushers and Pulverizers
Feeders
Maintenance Equipment and Supplies
Mining Contractors
Screens
Washing Plants

Main Office

1045 S Hoytsville Rd
Coalville, UT 84017 United States of America
Phone: (435) 336-5345
www.reescoms.com

Regal Rexnord

Booth 602

Regal Rexnord's industry-leading global brands provide rugged power transmission components for mining's toughest challenges. For decades, our brands – including Falk, Svendborg Brakes, Marland, and Wichita Clutch – have delivered reliable, durable solutions with exceptional performance from conveyors, ball & sag mills, crushers, draglines, hoists, and beyond. Our full product range includes heavy-duty clutches & brakes, engineered couplings, holdbacks & backstopping clutches, speed reducers, gear motors, overload clutches, belted and synchronous drives, and torque-limiting devices. No matter the scale of your power transmission needs, Regal Rexnord has a deep history as trusted partner within the mining industry.

Products & Services

Belts - Power Transmission
Brakes - Dynamic, Friction Disk - Block, Magnetic
Clutches - Fluid, Friction and Magnetic
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Couplings - Mechanical, Flexible and Rigid
Drives - Belt, Chain, Fluid and Gear
Fans and Blowers
Power Transmission Equipment

Main Office

111 W Michigan St
Milwaukee, WI 53203 United States of America
Phone: (414) 643-3000
www.regalrexnord.com

Re-Gen Enterprises

Booth 650

Leading the industry in rapid geotextile liner removal, Re-Gen Enterprises delivers swift site turnaround for minimal downtime. Our patented roller machinery reduces manpower and liability. Benefit from our no-risk, flat-rate pricing per sq. ft. for precise budgeting and forecasting. We prioritize responsible disposal and recycling, enhancing sustainability and cost-efficiency in mining operations. With a decade of proven innovation and safety, Re-Gen Enterprises is your trusted partner in mining liner removal.

Main Office

6700 N Linder Rd, Ste 156 #290
Meridian, ID 83646 United States of America
Phone: (832) 292-1656
www.Re-Genusa.com

REI Drilling, Inc

Booth 322

REI Drilling, Inc. contracts a fleet of drills for various mining and civil applications, on the surface or from underground, including directional drilling for geologic exploration, water drainage or transfer, methane drainage, abandoned mine verification, solution mining, remediation, utilities installation, and gravity drainage of oil.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Dewatering Equipment
Drill Bits - Rock
Drilling Contractors
Drilling Equipment
Exploration Equipment and Services
Remediation
Steel Pipe

Main Office

250 W Berger Ln
Salt Lake City, UT 84107 United States of America
Phone: (801) 270-2140
www.reidrilling.com

Rema Tip Top

Booth 323

We help our customers prevent, reduce or repair wear caused by abrasion, corrosion or impact. REMA TIP TOP is the leading manufacturer of rubber adhesives, conveyor belt repair materials, vulcanizing equipment, sheet rubber linings, skirt rubber, chute linings, rubber, ceramic pulley lagging and high quality protective coatings and industrial rubber products for wear and corrosion protection. REMA TIP TOP provides expert factory and field installation of rubber linings, tankage corrosion linings, coating systems (including secondary containment) and wear linings.

Products & Services

Belts - Power Transmission
Coatings (does not include Linings and Claddings)
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Fasteners - Industrial
Linings and Claddings
Maintenance Equipment and Supplies
Maintenance Services

Main Office

300 Tice Blvd, Ste 250
Woodcliff Lake, NJ 07677 United States of America
Phone: (800) 334-7362
www.rematiptop.com

RESPEC

Booth 1413

Explore. Develop. Operate. Close & Reclaim. RESPEC's integrated solutions mean clients, worldwide, trust us to partner with them and propel their mines forward with innovative, clear vision. RESPEC unites applied sciences with technology to solve any challenge in any market. Metals. Salt. Potash. Aggregates. Storage. Oil & Gas. RESPEC does it all. We study, test, and report. We plan and permit. We design roads and facilities. We monitor stability, creep, and water quality. We move data to dashboards. With RESPEC, clients get cutting-edge outcomes. RESPEC. Solving the Impossible.

Products & Services

Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Research
Geological-Physical-Technical Services and Equip
Information Technology Products
Laboratory and Scientific Services
Measurement and Monitoring Systems
Mine Evaluations - Surface and Underground

Main Office

3824 Jet Dr
Rapid City, SD 57703 United States of America
Phone: (605) 394-6400
www.respec.com

Richwood

Booth 1828

Richwood designs innovative solutions for the worldwide bulk material handling industry. For over 40 years the busiest mines in the world have put their confidence in our problem solving expertise. Clean conveyors and sealed and protected load zones for site specific solutions mean lowered maintenance costs, safer work areas and more productive operations. Rely on Richwood for dependable conveyor accessories.

Products & Services

Conveyor Systems

Main Office

707 7th St W
Huntington, WV 25704 United States of America
Phone: (304) 525-5436
Email: info@richwood.com
www.richwood.com



rm wilson co**Booth 1910**

R.M. WILSON CO., founded in 1966 by Richard M. Wilson, is a product specialist and partners with many of the leading longwall machinery and equipment manufacturers around the world to offer engineered optimum solutions to the special requirements of the customer. Headquartered in Wheeling, West Virginia and with locations throughout the United States, we not only supply our customers with the equipment they need when they need it, but also provide unparalleled service and product knowledge that sets us apart from other longwall machinery distributors.

Products & Services

Longwall Mining Equipment

Main Office

3434 Market St, POB 6274
Wheeling, WV 26003 United States of America
Phone: (304) 232-5860
www.rmwilson.com

Robit Inc**Booth 1901**

Robit is publicly listed growth company servicing global customers with drilling consumables for applications in underground and surface mining, construction, geotechnical and well drilling. The company's offering is divided into three product groups: Top Hammer, Down the Hole and Geotechnical. Robit products are well known for exceptional value; i.e. high quality at competitive price. Let us create you a test plan to see it yourself!

Products & Services

Couplings - Mechanical, Flexible and Rigid
Drill Bits - Rock
Drilling Equipment
Longwall Mining Equipment
Parts - Mining Machinery
Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

1522 Baker Rd
Sherman, TX 75090 United States of America
Phone: (903) 893-2300
www.robitgroup.com

RockTech USA, Inc**Booth 1913**

RockTech USA exploration products, formerly Hagby USA, is a supplier of Sunny Corner surface and underground core drills. We also offer: Inertial Sensing survey tools; Slim gyro, Twin gyro, and magnetic survey instruments. Hayden Diamond Products, Alignment instruments for underground and surface equipment, CoreWise high performance automatic core saws, wax impregnated and plastic core boxes, service, maintenance & spare parts.

Products & Services

Drill Bits - Rock
Drilling Equipment
Exploration Equipment and Services
Parts - Mining Machinery
Surveying Equipment and Supplies

Main Office

4164 W Industrial Loop
Coeur d'Alene, ID 83815 United States of America
Phone: (208) 765-4231
www.rocktechusa.com

Rocky Mountain Bio Products - A Division of Bowman Construction Supply

Booth 1760

Rocky Mountain Bio Products supplies organic Nature Based Solutions for reclamation and revegetation. BIOSOL FORTE is a stable organic fungal and bacterial biomass from penicillin production, with a unique, stable, & long-lasting nutrient for rebuilding all types of soils for revegetation. MENELEE HUMATE is a natural soil conditioner for plant cell and root development. MYCOAPPLY MYCORRHIZAE fungus is the amendment that aids in expanding the plant's root mass 100 to 1000 times larger, helping plants be healthier and handle environmental stress. Our PERMAMATRIX BSA-Hydro is a Biotic Soil Amendment, that's a living/topsoil, replacement/alternative. Visit: www.WEFIXDIRT.com for product and distributor information.

Products & Services

Reclamation Equipment and Services
Remediation
Sediment & Erosion Control

Main Office

10801 E. 54th Ave
Denver, CO 80239 United States of America
Phone: (303) 884-2733
www.WEFIXDIRT.COM

Rocvent Inc**Booth 832**

Rocvent Inc. is a major manufacturer of all types of Mine and Tunnel Ventilation, Tubing and Ducting with over 35 years of service to customers worldwide. Our ducting material is designed specifically for the hostile underground mining and tunneling environment. Rocvent supplies several quality levels of PVC material with reinforcing polyester yarns. This fabric will virtually provide great tensile and tear strength characteristics. Rocvent has taken a leading role in product development with the intent of reducing ventilation costs and improving fresh air to Face.

Products & Services

Automation
Consulting - Engineering
Diesel Equipment Lighting Systems
Dust and Fume Control Technology
Electrical Equipment and Supplies



OUR MISSION:
To know our customer's needs and support them with high-quality products from reliable manufacturers

- Gearboxes
- Fasteners
- Couplings
- Bits
- Brakes
- Tires
- Technical Field Service
- Longwall Chain
- Hydraulic Valves
- Sprockets
- Safety Supplies
- Shearer Drums



Founded in Wheeling, West Virginia in 1966 by Richard M. Wilson, **rm wilson co.** is the choice supplier of premier longwall mining equipment and parts including conveyor chains, gear units, solid tire and wheel assemblies, maintenance parts and accessories, safety equipment, hardhats, belts, cable handling chains and power tools.

In addition to equipment and parts, **rm wilson co.** provides rebuilds and repairs to mining equipment such as chains, belt conveyors, gearboxes and other mission-critical units. No matter the mining application, **rm wilson co.** provides the quality products and reliable repairs and rebuilds that stand up to demanding field conditions.

*FOR MORE INFORMATION CONTACT: USA MEYER - lisa.meyer@rmwilson.com OR JIM MCCLLENATHAN - james.mcc@rmwilson.com
3434 MARKET ST, WHEELING, WV 26003 • 800-624-5460 • WWW.RMWILSON.COM

EXHIBITORS

Fans and Blowers
Process Controls and Instruments
Scrubbers
Tunnel Lining and Support Materials
Ventilation Systems, Materials and Equipment

Main Office

3696 Industrial Rd
Greater Sudbury, ON P0M1L0 Canada
Phone: (705) 692-5854
www.rocvent.com

Roxia Inc

Booth 649

Roxia is a manufacturer of advanced dewatering technologies. Our portfolio consists of tower filters, smart filter presses and high-efficiency ceramic disc vacuum filters. We specialize in mining, minerals & metallurgical industries and our team delivers best performing solutions for each need. In beneficiation, our strength is concentrate dewatering with our tower press and ceramic disc filter. Our pressure filter technologies are also utilized in hydrometallurgical applications, such as PLS recovery. Roxia offers service and support to our customers globally. We provide these services and high-quality spare parts for our filter technologies as well as competitor tower press and ceramic filters.

Products & Services

Automation
Dewatering Equipment
Filters, Filter Cloth and Accessories
Separators and Concentrators

Main Office

3700 O'Donnell St, Ste 200
Baltimore, MD 21224 United States of America
Phone: (667) 500-2591
Email: sales-us@roxia.com
www.roxia.com

Roxsyle Systems LLC

Booth 1932

Roxsyle Systems is focused on the design and implementation of safe, productive electrical systems for the mining industry. Our highly experienced team works collaboratively with you or your contractor to complete each project on time and on budget. Our Services Include: Hoist Systems - production, service, personnel, auxiliary, emergency escape - new, refurbish and upgrade. Custom Control Panels - PLCs, drives, operator interface, relay logic, UPS. Ventilation Fans - New, refurbish, upgrade. Material Movement Systems - Conveyor, feeders. Processing Plants. E-Houses. Power Distribution.

Products & Services

Automation
Consulting - Design and Planning
Consulting - Engineering
Controls - Electrical and Electronic
Electrical Equipment and Supplies
Parts - Mining Machinery

Main Office

11590 Black Forest Rd, Ste 20
Colorado Springs, CO 80908 United States of America
Phone: (844) 476-9795
www.Roxsyle.com

Roxtec

Booth 537

Roxtec develops, manufactures and delivers flexible sealing solutions for cable and pipe penetrations. Our modular-based transits are used for cable and pipe sealing in numerous demanding industries and projects worldwide. Roxtec seals protect life and assets from multiple risks, such as fire, gas, water, electromagnetic threats and explosion, and prevent pests and rodents. With more than 250 registered certificates, including several IECEx/ATEX and MED, and more than 500 test and approvals, we are number one in our industry. The Roxtec invention for adaptability, Multidiameter™, is based on sealing modules with removable rubber layers and allows for a perfect sealing.

Products & Services

Fire Protection
Safety Equipment
Seals

Main Office

1140 N 129th E Ave
Tulsa, OK 74116 United States of America
Phone: (800) 520-4769
Email: info@us.roxtec.com
www.roxtec.com/us



Roytec Global (Pty) Ltd

Booth 511

Roytec Global is an international company specializing in liquid / solid and mineral separation technologies for the Mining and Industrial sectors. We are LEADERS in thickening, filtration and mineral flotation technologies for the mining industry. Roytec is privately owned by our Directors and Managers ensuring accountability and we are PASSIONATE ABOUT EXCELLENCE IN OUR SERVICES and we pride ourselves in delivering to our promises.

Products & Services

Filters, Filter Cloth and Accessories
Flotation Machines and Equipment
Ion Exchange Equipment and Resins
Laboratory and Scientific Services
Magnetic Separators
Maintenance Services
Reagents - Chemical and Flocculants
Screens
Separators and Concentrators
Thickeners

Main Office

45 Sheppard Ave E, Ste 703
Toronto, ON M2N 5W9 Canada
Phone: (438) 465-2114
Email: sales.ca@roytecglob.com
www.roytecglob.com

RubberSource Inc

Booth 1456

RubberSource Inc. designs and manufactures natural and synthetic protective rubber linings for the protection of capital equipment in mining. With Rubber

Technologists, Chemists, state-of-the-art laboratory, in house mixing and calendaring, we are equipped to handle any requirement. RubberSource has set a new standard of partnering with Rubber Applicators, and Engineering Firms by being involved in the inception and early stages of projects by lending advice, technical experience, and expertise in the form of material recommendations and applicator qualification and training.

Products & Services

Coatings (does not include Linings and Claddings)
Linings and Claddings

Main Office

22 Morton Ave East
Brantford, ON N3R7J7 Canada
Phone: (519) 620-4440
Email: mike@rubbersource.ca
www.rubbersource.ca

Ruen Drilling, Inc

Booth 1323

Products & Services

Drilling Contractors

Main Office

2320 River Rd
Clark Fork, ID 83811 United States of America
Phone: (208) 266-1151
www.ruendrilling.com/

Rulmeca Corporation

Booth 835

Located in Wilmington, NC, Rulmeca Corporation is the designated Motorized Pulley Center of Excellence for Rulmeca Group. Rulmeca Corporation is responsible for sales, assembly and service of Rulmeca Motorized Pulleys for North and South America. Rulmeca Motorized Pulleys were first produced in 1953 to offer conveyor belt operators and designers a compact, hermetically sealed, highly efficient conveyor belt drive. The Rulmeca Motorized Pulley is quick and simple to install and requires almost no maintenance. This conveyor belt drive resists the effects of abrasive dust, water, oil, grease, and many other harmful substances.

Products & Services

Conveyor Systems
Drives - Belt, Chain, Fluid and Gear
Electric Motors and Generators
Gears - Pullers, Reducers and Pinions

Main Office

3200 Corporate Dr, Ste D
Wilmington, NC 28411 United States of America
Phone: (910) 794-9294
www.rulmecacorp.com

Rulmeca Limited

Booth 837

Rulmeca is the forefront of technology, design and construction of a vast array of conveyor components. Rulmeca stands alone in its commitment to supply only the most robust conveyor products on the market today. From our engineering and quality control, to our technical sales and field service staff, Rulmeca's dedication to our clients remains as strong today as it did over 60 years ago.

Products & Services

Conveyor Belting - Accessories and Equipment
 Conveyor Systems
 Drives - Belt, Chain, Fluid and Gear
 Parts - Mining Machinery

Main Office

75 Mason St
 Wallaceburg, ON N8A 4L7 Canada
 Phone: (519) 627-2277
 Email: sales-na@rulmeca.com
 www.rulmeca.ca

Rust Automation & Controls Inc**Booth 637**

Since 1976, Rust Automation & Controls has represented the world's finest products for all types of industrial applications where quality, reliability and durability are of prime concern. Our skilled application engineers and sales technicians provide a comprehensive range of services and support functions through training, implementation, installation, diagnostic analysis, and repair. Our market territory covers the Western US and beyond.

Products & Services

Analyzers
 Automation
 Controls - Hydraulic and Pneumatic
 Dust and Fume Control Technology
 Sensors
 Valves

Main Office

8070 South 1300 West
 West Jordan, UT 84088 United States of America
 Phone: (801) 566-7878
 www.rustco.com

RWI Enhanced Evaporation Services**Booth 938**

RWI designs and manufactures wastewater evaporator systems. We engineer our systems to evaporate all types of impacted water including wastewater, produced water, storm water, and much more.

We offer trajectory evaporators and downdraft floating evaporators. Our PittBoss evaporator doesn't require a pump or nozzles making it essentially maintenance free. The RWI 2.0 series evaporators are the most efficient on the market. Leading the industry with the lowest energy consumption available, the 2.0 evaporation series evaporates water much more efficiently and in a more environmentally safe manner than all other higher horsepower evaporators.

Products & Services

Consulting - Engineering
 Dewatering Equipment
 Dust and Fume Control Technology
 Environmental Control Equipment and Supplies
 Pollution Control Equipment
 Reclamation Equipment and Services
 Remediation
 Water Clarification and Treatment

Main Office

2245 Colex Dr
 Grand Junction, CO 81505 United States of America
 Phone: (970) 245-7104
 www.resourcewest.com

SABIA**Booth 1136**

Online PGNA equipment measuring the elemental composition of material as it passes through on a conveyor, slurry pipe, or unprepared lab sample.

Products & Services

Analyzers
 Automation

Main Office

10919 Technology Place
 San Diego, CA 92127 United States of America
 Phone: (858) 217-2213
 www.sabiainc.com

SAI America Corp**Booth 103**

SAI is an environmental contracting firm specializing in the supply and installation of geosynthetic products, with a focus on excelling in complex, high-volume projects. Each project reflects our commitment not only to our clients but also to the planet we all share. Over the past 30 years, we have successfully completed more than 1,500 projects across three continents.

Products & Services

Bins, Hoppers, Silos and Storage
 Consulting - Environmental
 Linings and Claddings
 Tunnel Lining and Support Materials

Main Office

1220 W Alameda Dr., Ste 123
 Tempe, AZ 85282 United States of America
 Phone: (480) 590-2543
 Email: info@sai.la
 www.sai.la

Salem-Republic Rubber Co**Booth 1715**

For over 50 years Salem-Republic Rubber has serviced OEM, replacement and specialty markets by manufacturing custom engineered industrial hoses, calendered rubber products and tank lining materials for a variety of markets. We offer customizable hose options to fit your specific application; From high abrasion material handling hoses to large bore custom mining and dredge hose, Salem-Republic Rubber will help engineer, design and manufacture a solution that will help our customers succeed in their highly competitive markets with time-proven designs and experience. When others say they cannot help, give us a call!

Products & Services

Dewatering Equipment
 Dredges
 Hoses - Valves and Fittings
 Linings and Claddings
 Pumps

Main Office

475 W California Ave
 Sebring, OH 44672 United States of America
 Phone: (800) 686-4199
 www.salem-republic.com

Samuel Engineering, Inc**Booth 1041**

Samuel Engineering, Inc. and Samuel EPC (Samuel) are full service, multi-discipline engineering, procurement, fabrication, and construction (management) companies (EPFC). Samuel's mining team provides solutions anywhere from studies/reports, to engineering, to project management.

Products & Services

Automation
 Construction - Contracting Services
 Consulting - Design and Planning
 Consulting - Engineering
 Consulting - Management
 Controls - Electrical and Electronic
 Mine Evaluations - Surface and Underground
 Quality Improvement

Main Office

8450 E Crescent Pkwy, Ste 200
 Greenwood Village, CO 80111 United States of America
 Phone: (303) 714-4840
 Email: marketing@samuelengineering.com
 www.samuelengineering.com

Sandvik**Booth 1123**

Sandvik is a global, high-tech engineering group providing solutions that enhance productivity, profitability and sustainability for the manufacturing, mining and infrastructure industries. We are at the forefront of digitalization and focus on optimizing our customers' processes. Our world-leading offering includes equipment, tools, services and digital solutions for machining, mining, rock excavation and rock processing.

Products & Services

Automation
 Continuous Mining Machines
 Crushers and Pulverizers
 Drill Bits - Rock
 Drilling Equipment
 Loaders
 Screens
 Trucks and Haulage Units
 Tunnel Lining and Support Materials
 Underground Excavation Services and Equipment

Main Office

3200 Highlands Pkwy SE, Suite 200
 Smyrna, GA 30082 United States of America
 Phone: (470) 271-1000
 www.home.sandvik

Saskatchewan Research Council**Booth 1034****Products & Services**

Consulting - Engineering
 Consulting - Research
 Laboratory and Scientific Services
 Measurement and Monitoring Systems
 Remediation
 Sensors

EXHIBITORS

Main Office

Bay 2D, 820 51st Street East
Saskatoon, SK S7K 0X8 Canada
Phone: (306) 933-5400
www.src.sk.ca/

Scantech International Pty Ltd

Booth 1626

Scantech International is the leading supplier of high specification analyzers to the global minerals market for real time, representative, elemental and moisture analysis of conveyed flows. GEOSCAN GOLD is the only analyzer that representatively measures gold ore grade in primary crushed ore in plant feed. TBM 200 series moisture analyzers consistently outperform other systems and are used by leading resource companies. Scantech has over 35 years experience in bulk ore sorting where proven measurement precision provides unmatched outcomes. SizeScan, COALSCAN and GEOSCAN are our main brands. They provide high quality real time data for improved quality management and process control.

Products & Services

Analyzers
Blending Systems
Coal Preparation Plants
Measurement and Monitoring Systems
Process Controls and Instruments
Sampling Devices

Main Office

Unit 14 / 2994 Logan Rd
Underwood 4119 Australia
Phone: +61 438 830 954
www.scantech.com.au

Schlam

Booth 1558

The Hercules is lighter, stronger, more durable, requires less maintenance and can carry more dirt than the rest. The curved design reduces stress throughout the dump body, enabling us to go thinner and lighter while maintaining structural integrity. This all adds up to a dump body that's lightweight without any loss of strength, which means your fleet can carry more payload every trip. Ultimately, this means millions of dollars in free cash flow for your operation and a payback period as little as a few months for a solution that will keep delivering above and beyond for years.

Products & Services

Mine Operators
Trucks and Haulage Units

Main Office

1 S Church Ave, Ste 1720
Tucson, AZ 85701 United States of America
Phone: (520) 904-0081
www.schlam.com

Schnabel Engineering, LLC

Booth 513

In continuous operation since 1956, Schnabel is a leading national provider of geotechnical, dam, and tunnel engineering services. Our coordinated geo-related efforts provide integrated service on all projects, from subsurface explorations and soil testing through engineering analysis, design, and construction support.

Main Office

600 South Airport Rd., Suite A-205
Longmont, CO 80503 United States of America
Phone: (303) 651-1468
www.schnabel-eng.com/



Schurco Slurry

Booth 730

Schurco Slurry has remained a family owned and operated slurry pump company since 1975. Our primary focus is the manufacturing and development of the Schurco Slurry Pump line. We take pride in offering customers product availability and cost savings, while delivering the same or better quality than OEM competitors. Schurco Slurry offers the low life cycle cost through competitively priced capital pump equipment, spare parts, and material options that provide lasting wear life in all operating environments. This commitment allows Schurco Slurry to form lasting and valued partnerships. Be safe, be productive, be Schur!

Products & Services

Pumps

Main Office

9410 Florida Mining Blvd E
Jacksonville, FL 32257 United States of America
Phone: (904) 356-6840
www.schurcoslurry.com

Seametrics

Booth 1549

Main Office

19026 72nd Ave S
Kent, WA 98032 United States of America
Phone: (253) 872-0284
www.seametrics.com

Sefar Inc

Booth 545

Products & Services

Belts - Power Transmission
Centrifuges
Consulting - Engineering
Filters, Filter Cloth and Accessories

Main Office

111 Calumet St
Depew, NY 14043 United States of America
Phone: (716) 601-3118
www.sefar.us

SEMCO Publishing

Booth 904

Publishers of North American Mining magazine, The Asia Miner, Concrete Products, Cement Products, and Rock Products, SEMCO Publishing has a powerful history of serving the mining, aggregates, and construc-

tion materials industries with exceptional editorial, insight, and coverage of technology and events. Contact us today to subscribe or to let us help you develop a customized marketing plan.

Products & Services

Publishers

Main Office

8751 E Hampden Ave, Ste B-1
Denver, CO 80231 United States of America
Phone: (303) 283-0640
www.semcopublishing.com

Sempertrans

Booth 1841

Sempertrans, a member of the Semperit Group, has been developing, manufacturing and installing a broad range of high-performance conveyor belts for applications in the mining, cement and steel industries, ports, power plants, quarries and chemical industries for more than 50 years. Our knowledge, experience and quality products make us one of the world's leading conveyor belt companies. Contact us today at customerservice.americas@semperitgroup.com to learn more about products, services and solutions that can help your company accelerate your operational performance.

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems

Main Office

755 Coweta Industrial Pkwy
Newnan, GA 30265 United States of America
Phone: (800) 631-2566
www.semperitgroup.com

SGS Minerals Services

Booth 800

Whatever the industry or market, anywhere in the world, SGS is your global partner for excellence in business. SGS works with you to develop innovative services and technologies customized to your needs. SGS enhanced quality ensure compliance and reduce risk, helping its clients to invest time and effort where it benefits your business the most. SGS is recognized as the world leader in the development and demonstration of bankable flowsheets, pilot plant programs, advanced systems, in-plant services, uranium services, mineralogy, technical audits and metallurgy.

Products & Services

Consulting - Environmental
Laboratory and Scientific Services
Mine Evaluations - Surface and Underground
Quality Improvement

Main Office

185 Concession St
P.O. Box 4300
Lakefield, ON K0L 2H0 Canada
Phone: (705) 652-2000
www.sgs.com

Shaft Drillers International

Booth 908

Shaft Drillers International offers drilling solutions to the mining industry which include large diameter shaft construction, solution mining, foundation installation,



SCHURCO

55 SLURRY

Est.
1975



**Your one call for Slurry Pumps,
Parts and **Peace of Mind****

Since 1975

EXHIBITORS

mine grouting, soil stabilization, dewatering and utility boreholes. The SDI Family of Companies provides the global market with the very best technological innovations and specialized construction solutions. Built on the principles of hard work, integrity and honesty, SDI companies are known for their ability to provide turn key solutions to the clients we serve each day.

Products & Services

Drilling Contractors
Grouting Services, Equipment and Materials
Underground Excavation Services and Equipment

Main Office

130 Meadow Ridge Rd
Mt Morris, PA 15349 United States of America
Phone: (304) 291-0175
www.shaftdrillers.com/

Shijiazhuang Minerals Equipment Co Ltd

Booth 834

Shijiazhuang Minerals Equipment Co., Ltd, also known as CNSME, is a professional Slurry Pumps and parts manufacturer based in the city of Shijiazhuang, Hebei, China. With 30 years of experience dedicated to the pump industry, we provide expert advice, reliable products, and responsible technical service to our customers from all over the world. We stock an extensive range of pumps and main spare parts to ensure a shorter lead time and faster delivery to the user's site to reduce the downtime to its minimum and save the total ownership cost.

Products & Services

Parts - Mining Machinery
Pumps

Main Office

No. 260 Huaian West Road
Qiaoxi District
Shijiazhuang, Hebei 050051 China
Phone: +8613333119820
Email: sales@cnsnepump.com
www.cnsnepump.com

Simem Underground Solutions, Inc

Booth 1719

SIMEM Underground Solutions has been designing and manufacturing machinery and plants for the mining and civil industries for over 50 years, employing some 280 people worldwide of which 1/3 are in engineering. SIMEM offers a wide range of products and plants that are specifically designed to produce concrete, shotcrete, cemented rock fill (CRF) and paste fill. With over 50 mixers already supplied into mining backfill operations globally, SIMEM has the experience and expertise required to deliver heavy duty, reliable products and packages. SIMEM Underground Solutions, based in Abbotsford, BC, Canada, specializes in CRF and pastefill applications for the SIMEM Group.

Products & Services

Automation
Backfilling
Bins, Hoppers, Silos and Storage
Consulting - Engineering
Conveyor Systems
Grouting Services, Equipment and Materials
Pumps
Shotcrete Equipment, Supplies and Services
Tunnel Boring Equipment
Water Clarification and Treatment

Main Office

1A-30528 Great Northern Ave
Abbotsford, BC V2T 6H4 Canada
Phone: (604) 288-2500
simemug.com

Sino Grinding (Americas) Inc

Booth 2137

Main Office

8614 E Laguna Azul Ave
Mesa, AZ 85209 United States of America
Phone: (253) 230-7743
www.sinogrinding.com

SKAPS Industries

Booth 633

SKAPS Industries is a leading manufacturer and supplier of various geosynthetic products & technical textiles. SKAPS holds a strong market presence in over 60 countries by offering our clients a wide array of products such as Geomembranes, Biaxial Geogrids, Drainage Geonets and Geocomposites, Woven and Non - Woven Geotextiles.



Providing Analytical Services to Mining and Exploration for 125+ Years

Recognized as an industry leader for base and precious metals, ferrous, and non-ferrous analyses of ores, and umpire assays of metallurgical products, the Tucson Laboratory continues to provide the same high quality analytical services to the mining industry as it has for over a century.

- ICP-MS
- ICP-OES
- Atomic Absorption (AAS)
- Automated Titration
- Automated Sulfur Analysis
- XRF (Whole Rock)
- Trace Elements by Aqua Regia or Multi-Acid Digestion
- Cu-Mo Total and Partial Extraction Techniques
- Single and Multi Element Methods
- Whole Rock Analysis
- In-House Fire Assay Au/AG (Single use crucibles to all clients)
- Column Leach Testing

Regional Sample Pickup Services

Assistance with Freight for Bulk & Pulp Samples
Throughout North & South America is Available

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ASSAYERS & LABORATORIES



7960 S. Kolb Rd, Tucson, AZ 85756

(520) 622-4836 | tucson@skylinelabs.com | skylinelabs.com

Products & Services

Concrete Reinforcement and Equipment
 Geological-Physical-Technical Services and Equip
 Grinding Media and Liners
 Linings and Claddings
 Reclamation Equipment and Services
 Remediation
 Sediment & Erosion Control
 Tunnel Lining and Support Materials

Main Office

335 Athena Dr
 Athens, GA 30601 United States of America
 Phone: (706) 354-3700
www.skaps.com

Skyline Assayers & Laboratories

Booth 502

Skyline is a 135+ year-old assay laboratory, serving mining operations throughout the Americas. We're ISO 17025-2017 & ABS/ANSI ISO 9001-2015 accredited.

Products & Services

Laboratory and Scientific Services

Main Office

7960 S Kolb Rd
 Tucson, AZ 85756 United States of America
 Phone: (520) 622-4836
 Email: tucson@skylinelabs.com
www.skylinelabs.com/

Skyward Specialty Insurance

Booth 1606

Skyward Specialty Insurance Group, Energy Division specializes in providing insurance protection to the Mining industry...either above or below ground and in quarries as well. We underwrite all types of Mining and Quarry operations and the various servicing contractors that work with those operations. We have four P & C carriers that are A Rated with two being admitted that offer all lines of coverage. These include Workers' Comp, General Liability, Excess Liability, Business Auto, Property and Inland Marine. Mining and Quarry insurance is our specialty and the only thing we do...so it is what we do best!

Products & Services

Insurance

Main Office

500 Corporate Dr, Ste G300
 Birmingham, AL 35242 United States of America
 Phone: (205) 332-8118
www.skywardinsurance.com

SLR International Corporation

Booth 1431

SLR is a global leader in environmental, engineering, and advisory solutions: helping clients achieve their sustainability goals. We partner with clients throughout their project life-cycle from strategy and design, through compliance and operations, to end-of-life and remediation. Since 1994, we have built 'One Team' of talented environmental and business consultants, engineers and scientists.

Products & Services

Consulting - Design and Planning
 Consulting - Engineering
 Consulting - Environmental
 Consulting - Financial Services
 Consulting - Management
 Consulting - Research

Main Office

1658 Cole Blvd, Ste 100
 Lakewood, CO 80401 United States of America
 Phone: (480) 619-1477
www.slrconsulting.com

Sofvie Inc

Booth 1261

Introducing Sofvie: Your Safe Performance Platform. Empower your mining operations with the ultimate platform, designed specifically with the intricacies of



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ULTRAFINE (sub 40 micron) SEPARATION TECHNOLOGY

TAILINGS MANAGEMENT TECHNOLOGY:
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EXHIBITORS

mining in mind. Sofvie delivers unparalleled safety performance management, transforming complex data into actionable insights. Dig deeper into safety with Sofvie. Act now for a safer tomorrow – experience the Sofvie revolution.

Products & Services

Computer - Software and Services
Consulting - Management
Information Technology Products

Main Office

68 Mumford Rd
Lively, ON P3Y 1L2 Canada
Phone: (705) 692-2234
sofvie.com/

Soilworks - Dust Control

Booth 2251

Soilworks provides leading-edge solutions for dust suppression and soil stabilization, serving open pit and underground mines worldwide. Renowned for its effective products like Soiltac, Gorilla-Snot, and Durasoil, Soilworks enhances mine profitability and safety. Its innovative approach addresses critical challenges—from tailings management and dam erosion to drift dust control—ensuring air quality compliance and protecting miners' health. With Soilworks, operations gain stability, efficiency, and environmental stewardship, cementing its reputation as the definitive choice for mining companies aiming to mitigate operational risks and achieve sustainable productivity.

Products & Services

Dust and Fume Control Technology
Environmental Control Equipment and Supplies
Pollution Control Equipment
Remediation
Sediment & Erosion Control

Main Office

7150 E Camelback Rd, Ste 444
Scottsdale, AZ 85251 United States of America
Phone: (800) 545-5420
www.soilworks.com

SOLMAX

Booth 1012

Solmax is the world's leading geosynthetics manufacturer. Solmax products contain and drain, shielding the soil, water and air from toxins and pollutants in applications as critical as the landfills of the world's most populated cities and mines operating in fragile ecosystems. Our products are sold in over 60 countries, trusted by some of the biggest names in mining; oil and gas; water and waste management; and civil engineering. Our leadership is built on over 40 years of product innovation and excellence.

Products & Services

Consulting - Environmental
Grinding Media and Liners
Linings and Claddings
Remediation
Tunnel Lining and Support Materials

Main Office

19103 Gundle Rd
Houston, TX 77073 United States of America
Phone: (800) 435-2008
www.solmax.com

Somerset International

Booth 403

We redefine efficiency and sustainability in processing of coal, iron ore, precious metals, copper, and phosphate. We are at the forefront of advanced processing solutions in ultrafine particle classification and dewatering across the mining industry. Our expertise in ultrafine particle classification and dewatering drives advancements in resource recovery, process optimization, and tailings management. Partner with us for innovative technologies that redefine the future of mining.

Products & Services

Centrifuges
Classifiers
Coal Preparation Plants
Dewatering Equipment
Quality Improvement
Separators and Concentrators
Washing Plants
Water Clarification and Treatment

Main Office

1606 Carmody Court, Ste 201A
Sewickley, PA 15143 United States of America
Phone: (724) 473-3515
Email: info@somersetint.com
www.somersetinternational.com

South Dakota School of Mines

Booth 727

With over 60 undergraduate and 30 graduate students, the Mining Engineering and Management Department at South Dakota Mines offers bachelor and master of science degrees in mining engineering. The MS program is offered fully online, but can also be completed on-campus. The department has seven faculty with expertise in rock mechanics, mine planning and optimization, mineral economics, ventilation, underground and surface mining operations, geology, permitting and reclamation, reliability and maintenance, automation, and mine management. The job placement for graduates has been >98% for the past several years and we are focused on continued growth of opportunities for our graduates.

Products & Services

Educational

Main Office

501 E St Joseph St
Rapid City, SD 57701 United States of America
Phone: (605) 394-1973
www.sdsmt.edu

South32

Booth 1361

South32's purpose is to make a difference by developing natural resources, improving people's lives now and for generations to come. We are trusted by our owners and partners to realize the potential of their resources. We produce minerals and metals critical to the world's energy transition from operations across the Americas, Australia and Southern Africa and we are discovering and responsibly developing our next generation of mines. We aspire to leave a positive legacy and build meaningful relationships with our partners and communities to create brighter futures together.

Products & Services

Mine Operators
Mineral Prospecting

Main Office

1860 E River Road, Ste 200
Tucson, AZ 85718 United States of America
Phone: (775) 388 1693
www.south32.net

Southern States LLC

Booth 2237

Support Your Decarbonization Path While Enhancing Energy Efficiency and Power Reliability. Discover power solutions for sustainable mining operations with our products: Medium Voltage Capacitor Banks, Harmonic Filters, and STATCOMs. Our technologies support your decarbonization journey, ensuring energy efficiency and power reliability essential for mining. Enhance voltage stabilization, mitigate harmonic distortions, and optimize reactive power control and grid stability. Key benefits include decarbonization support, enhanced power quality, lower energy costs, and reliable power supply. Visit our booth to consult on how our solutions can help you achieve decarbonization goals and improve energy efficiency and power reliability.

Products & Services

Consulting - Engineering
Electrical Equipment and Supplies
Power Transmission Equipment

Main Office

30 Georgia Avenue
Hampton, GA 30228 United States of America
Phone: (770) 946-4562
Email: sales@southernstatesllc.com
www.southernstatesllc.com/

Southwest Irrigation LLC

Booth 101

Mining Line card, Mining information, mining products, pictures and displays, SWI merchandise, leaching products information,

Products & Services

Couplings - Mechanical, Flexible and Rigid
Dust and Fume Control Technology
Hoses - Valves and Fittings
Leaching Sprinklers
Maintenance Equipment and Supplies
Meters and Gauges
Pipes
Safety Equipment
Steel Pipe
Valves

Main Office

401 E Maley St
Willcox, AZ 85643 United States of America
Phone: (520) 384-9223
www.southwest-irrigation.com

SPECTRO Analytical Instruments

Booth 1754

SPECTRO Analytical Instruments, a division of AMETEK, is a global leader in Elemental Analysis Instrumentation. We specialize in ED-XRF, ICP-OES, Hand-held XRF and



Arc/Spark OES analysis. A full line of analyzers for both laboratory and field analysis for identification and to see a full detailed set of elements and concentrations. See our complete line of products with brochures, application reports, white papers, webinars, and videos at our website at www.spectro.com/resourcelibrary.

Products & Services

Analyzers
Assay Equipment
Exploration Equipment and Services
Laboratory Equipment and Supplies

Main Office

50 Fordham Road
Wilmington, MA 01887 United States of America
Phone: (800) 548-5809
Email: spectro.info@ametech.com
www.spectro.com

Spendrup Fan Co

Booth 1006

Since 1968, Spendrup Fan Co. has designed and manufactured quality vane axial fans and accessories for all types of mining and industrial applications. Spendrup fans are designed to withstand the harshest environments. Fan casings are made of 5/16" steel. Impeller hubs are fabricated from mild steel. Impeller blades are 356-T6 hardness, to resist highly abrasive conditions. Spendrup Fan Co. designs fans to meet client specifications. Spendrup Fan can meet client needs, from MSHA Sch. 2-G, U/L approved explosion proof, marine duty, to fans that provide trouble-free service in high-temperature or corrosive environments.

Products & Services

Dust and Fume Control Technology
Fans and Blowers
Scrubbers
Tunnel Boring Equipment
Ventilation Systems, Materials and Equipment

Main Office

PO Box 4308
Grand Junction, CO 81502 United States of America
Phone: (970) 243-3429
www.spendrupfanco.com

Sprung Structures

Booth 624

Sprung structures are ideal for mining camps and mining processing facilities in remote locations, under rigid timelines or with limited foundation requirements. Sprung's mining buildings can be set up immediately and are designed to last for the entire life of a mine. Our optional premium insulation package provides comfortable, liveable spaces for a wide variety of mining infrastructure. Despite being engineered as permanent structures, Sprung's relocatable and its ability to be crane-lifted into place allow it to adapt to virtually any mining facility application, including mine production enclosures, ancillary buildings, mining processing facilities, haul truck maintenance facilities, and much more.

Products & Services

Bins, Hoppers, Silos and Storage
Construction - Contracting Services

Main Office

5711 W Dannon Wy
West Jordan, UT 84081 United States of America
Phone: (801) 280-1555
www.sprung.com



SRK Consulting (US), Inc

Booth 1423

SRK Consulting is an independent, international consulting practice that provides focused advice and solutions to clients, mainly in the earth and water resource industries. For mining projects, SRK offers services from exploration to mine closure, including feasibility studies, due diligence reviews, and production optimization. Established in 1974, SRK now employs more than 1,700 professionals internationally in over 40 offices on 6 continents.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Financial Services
Consulting - Management
Consulting - Research
Exploration Equipment and Services
Reclamation Equipment and Services
Ventilation Systems, Materials and Equipment
Water Clarification and Treatment

Main Office

999 17th St, Ste 400
Denver, CO 80202 United States of America
Phone: (303) 985-1333
Email: denver@srk.com
www.srk.com

SRS Crisafulli, Inc

Booth 1941

Manufacturer of pumps and dredge systems for tailings pond maintenance with liner protection. Our equipment is available in standard or fully customized to meet specific needs.

Products & Services

Dewatering Equipment
Dredges
Environmental Control Equipment and Supplies
Flotation Machines and Equipment
Pumps
Reclamation Equipment and Services
Sediment & Erosion Control
Water Clarification and Treatment

Main Office

1610 Crisafulli Dr, PO Box 1051
Glendive, MT 59330 United States of America
Phone: (406) 365-3393
www.crisafullipumps.com

Standard Resource. Inc.

Booth 2148

Main Office

1537
Irvine 92618 United States of America
Phone: (657) 346-9630

Stantec Consulting

Booth 1216

At Stantec, we offer engineering and environmental services so mining companies can access resources safely and in an environmentally sustainable way. From front-end studies to mine closure and reclamation, we keep clients at the forefront of a rapidly changing industry. Along with our core services of mine planning, operations, and closure, we help miners reach their net zero goals by reducing energy consumption and replacing conventional energy with cleaner sources. With over 30 years of providing solutions around the world, our approach is defined by a commitment to communities, creativity, and client relationships.

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management

Main Office

3133 W Frye Rd, Ste 300
Chandler, AZ 85226 United States of America
Phone: (480) 687-6100
www.stantec.com/en/ideas/spotlight/conference/sme

45 offices
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network of
affiliates.

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in the world, chances are
we've got your project
covered.

srk.com

EXHIBITORS

Stewart Brothers Drilling Co

Booth 1607

Products & Services

Construction - Contracting Services
Drilling Contractors
Exploration Equipment and Services
Mineral Prospecting
Mining Contractors

Main Office

PO Box 2067, 306 Airport Rd
Milan, NM 87021 United States of America
Phone: (505) 287-2986
www.stewartbrothers.com/

Strata Products Worldwide, LLC

Booth 1514

Strata is a company that specializes in providing systems and technologies for the mining industry, with a focus on promoting the health and safety of workers. Our range of safety technologies includes proximity detection and collision avoidance systems, artificial intelligence sensors, mine refuge chambers, and reliable communication and monitoring networks. Additionally, we offer a comprehensive selection of specialty resins for construction, repair, and problem-solving, along with expert training and support.

Products & Services

Alarm Systems
Automation
Communications Equipment
Concrete Reinforcement and Equipment
Grouting Services, Equipment and Materials
Measurement and Monitoring Systems
Roof - Ground Supports
Safety Equipment
Shotcrete Equipment, Supplies and Services
Ventilation Systems, Materials and Equipment

Main Office

8800 Roswell Rd, Ste 145
Sandy Springs, GA 30350 United States of America
Phone: (770) 321-2500
www.strataworldwide.com/

Stratom Inc

Booth 1934

Stratom develops unmanned ground vehicles and autonomous robotic systems for commercial and defense applications. Specializing in unmanned cargo movement, autonomous mobile robots (AMR) and robotic refueling, the company's military-proven tools, methods, technologies and strategic services meet customers' unique needs while solving their most difficult logistics and operational challenges.

Products & Services

Automation
Autonomous Vehicles
Computer - Hardware and Services
Computer - Software and Services
Consulting - Research
Diesel Mining Equipment Manufacturers
Sampling Devices
Sensors

Main Office

331 S 104th St, Ste 235
Louisville, CO 80027 United States of America
Phone: (720) 565-9609
Email: info@stratom.com
www.stratom.com/

Strayos

Booth 136

Strayos is a mine-to-mill AI platform that provides machine vision sensing and software solutions to optimize the Drilling, Blasting, and Crushing process to drive improvements in your mine's efficiency, profitability, and sustainability.

Products & Services

Aerial Mapping and Surveying
Information Technology Products

Main Office

1 W Seneca St, 24th Fl
Buffalo, NY 14203 United States of America
Phone: (314) 960-8706
www.strayos.com

Structural Steel & Plate Fabrication

Booth 441

For over 45 years SS&PF has supported the Mining industry by providing high-quality steel fabrication with exceptional turnaround times. We specialize in exotic metals, structural steel, tanks, vessels, chutes / hoppers, penstocks, custom fabrication and repair. We currently carry our R, S, U, PP, NB stamps and are AISC certified in building fabrication (BU), major bridge (IBR), component (CPT) and sophisticated paint endorsements (SPE-P1 to P3).

Products & Services

Bins, Hoppers, Silos and Storage
Coal Preparation Plants
Coatings (does not include Linings and Claddings)
Feeders
Flotation Machines and Equipment
Grizzlies - Feeding, Moving and Stationary
Maintenance Services
Pipes
Refinery Equipment
Steel Pipe

Main Office

125 W 500 N
North Salt Lake, UT 84054 United States of America
Phone: (801) 292-8484
www.ssandpf.com

Subterranean Boring Inc

Booth 508

SBI provides turnkey raisebore contracting services and manufactures replacement raisebore machine parts and consumables.

Products & Services

Boring Equipment

Main Office

15000 W 44th Ave, Ste C
Golden, CO 80403 United States of America
Phone: (303) 233-2856
www.subterraneanboring.com

Sulzer

Booth 2027

Sulzer is a global leader in fluid engineering. We specialize in pumping, agitation, mixing, and separation technologies of all types. Pumps ranging from chemical process to solids handling to submersible dewatering to vertical turbine and vertical cantilever pumps, to high pressure high head mine dewatering pumps to sulfuric acid pumps to handle acid in smelters, mixers and agitators and aeration solutions including state of art blowers and compressors applied in waste water aeration systems. Sulzer also supports industry with global Service Repair Centers servicing rotating equipment including pumps, turbines, compressors and motors.

Products & Services

Pumps

Main Office

155 Ahlstrom Wy
Easley, SC 29640 United States of America
Phone: (303) 524-0625
www.Sulzer.com

Sundt Construction

Booth 1817

Sundt Construction: Building the Future of Mining. At Sundt Construction, we bring over a century of expertise, innovation, and reliability to the mining industry. As a recognized leader in construction, we specialize in delivering integrated solutions tailored to the unique challenges of mining operations. From infrastructure and facilities development to specialized field services, we ensure projects are completed safely & efficiently. Mining Expertise: Proven success in processing plants, tailings facilities, and mine infrastructure. Innovative Solutions: Advanced technology and sustainable practices drive optimized outcomes. Safety First: Industry-leading safety programs with a commitment to zero incidents

Products & Services

Construction - Contracting Services
Consulting - Management
Maintenance Services
Mine Operators
Mining Contractors
Reclamation Equipment and Services

Main Office

2620 S 55th St
Tempe, AZ 85282 United States of America
Phone: (480) 293-3000
www.sundt.com

Sunset Manufacturing

Booth 317

Products & Services

Assay Equipment
Exploration Equipment and Services
Laboratory Equipment and Supplies
Mining Gifts
Safety Equipment
Sampling Devices
Surveying Equipment and Supplies



Effective Turn-Key Solutions for Mining Operations

Gundlach Multi-Roll Crusher with Jeffrey Rader® NFE Electromagnetic Feeder



Gundlach Multi-Roll Crushers provide higher quality cubical product, minimal fines and consistently repeatable performance for sizing a wide variety of material. 3-D crushing technology delivers the industry's best dimensional product control.

The Jeffrey Rader NFE Electromagnetic Vibrating Feeder is precision tuned near materials own natural frequencies, meaning burden and damping actually boost feeder performance. Providing quieter operation and reduce energy Consumption.

Learn more at terrasource.com

EXHIBITORS

Main Office

1620 S Empire Rd
Salt Lake City, UT 84104 United States of America
Phone: (801) 236-2136
www.sunsetmfg.com

Superior Industries

Booth 1604

A privately-owned American engineering and manufacturing company, Superior Industries supplies the metals mining sector with custom crushing, screening, washing, and conveying solutions. Specialties include individually-designed material processing and handling systems, heap leach conveyor packages, and heavy mining conveyor idlers and pulleys all designed and built for extreme durability at major, intermediate, and junior mining operations worldwide. Equipped with one million square feet of manufacturing space, Superior is headquartered in Morris, Minnesota, with four additional production facilities in the United States, plus international manufacturing locations in Canada, Brazil and Asia.

Products & Services

Conveyor Systems
Crushers and Pulverizers
Dewatering Equipment
Feeders
Grizzlies - Feeding, Moving and Stationary
Screens
Washing Plants

Main Office

315 E Hwy 28
Morris, MN 56267 United States of America
Phone: (320) 589-2406
www.superior-ind.com

Swick Drilling

Booth 2110

Swick Drilling is Premier International Underground Drilling Company. Utilizing mobile rig applications to maximize drilling procedures and safety.

Products & Services

Drilling Contractors
Drilling Equipment

Main Office

3203 Manzanita Ln
Elko, NV 89801 United States of America
Phone: (775) 636-1817
Email: keaton.sakurada@swickdrilling.com
www.swickdrilling.com

Syensqo

Booth 1412

Formerly part of the Solvay Group, Syensqo Mining Solutions is a leading reagent-solutions provider to the mining industry. The business serves a diverse range of markets, including copper, alumina, gold, moly, lithium, nickel, cobalt and phosphate, among others. Constantly adapting to changing markets and customer needs, Syensqo pushes the boundaries of science to deliver ever-more innovative, sustainable solutions.

Products & Services

Reagents - Chemical and Flocculants
Solvents - Extraction, Mixer and Settlers

Main Office

2564 US highway 1
Lawrence, NJ 08648 United States of America
Phone: (609) 860-4000
www.syensqo.com

Symbolicware

Booth 1804

Established in Canada's mining heartland, Symbolicware is a leading innovator in the industrial Internet of Things (IIoT), delivering real-time, actionable, data-driven insights and smart analytics to streamline remote management of fixed and mobile assets in the natural resources sector. For over a decade, we've been helping customers reduce greenhouse gas emissions, minimize machine downtime, improve safety and optimize productivity. Our intelligent platform, 4-Sight.ai, empowers operations and helps drive better efficiencies with live dashboards and maps, advanced reporting and alerts, AI insights, as well as an ecosystem of integrated, industry-leading third-party technologies.

Products & Services

Computer - Hardware and Services
Computer - Software and Services
Consulting - Engineering
Consulting - Research

Main Office

1545 Maley Dr
Sudbury, ON P3A 4R7 Canada
Phone: (800) 519-5496
www.symbolicware.com

Sympatec

Booth 1912

Sympatec develops, manufactures, sells, services and supports an innovative range of modular instruments for particle size and shape analysis in laboratory and process for customers worldwide.

Products & Services

Analyzers
Measurement and Monitoring Systems
Process Controls and Instruments
Sensors

Main Office

1600 Reed Rd, Ste C
Pennington, NJ 08534 United States of America
Phone: (609) 303-0066
www.sympatec.com

Sync Mine Safety

Booth 729

Sync Mine Safety has been providing comprehensive digital Safety Training Management software to leading mines since 2017: Instant digital access to all Training Certificates; Paperless Training delivered in the field (Underground); Streamlined Classroom training for Refresher and MSHA Miner Training; Syncing up your history with Paper Records Digitization tools and assistance bringing your existing records into the Sync system in great order; Field Training with Progressions for Open Pit mines; Notifications and Visibility to all Activity; Manage partner records on-line through SyncLinked; Safety Procedures Campaigns for SOPs;

Annual Recertifications easily accomplished; Software with Services providing responsive assistance every time needed

Products & Services

Computer - Software and Services
Mining Contractors
Safety Equipment

Main Office

14611 SE 246th Pl
Kent, WA 98042 United States of America
Phone: (206) 947-1854
www.syncminesafety.com

Syntron Material Handling

Booth 922

Syntron Material Handling has a long history of providing bulk material handling solutions in a variety of markets including mining, aggregates, chemicals, packaging, and food. Our equipment, systems, and services help producers and processors improve their bottom line through increased bulk material handling productivity. The equipment line includes Link-Belt conveyor idlers, underground mining and terminal equipment, screw conveyors, and bucket elevators; and Syntron vibrating feeders, screens, bin vibrators, flow valves, paper joggers, and shaft seals. We also design and manufacture engineered products and systems for customer-specific applications.

Products & Services

Controls - Electrical and Electronic
Conveyor Systems
Feeders
Underground - Construction and Structures

Main Office

2730 Hwy 145
Salt Lake, MS 38866 United States of America
Phone: (800) 356-4898
www.syntronmh.com

SYTCO Engineers

Booth 651

SYTCO is a leading manufacturer of Brakes, Clutches, Torque Limiters, Couplings, Brake Motors and Allied Custom Build Products. Our Technical contribution towards the Motion Control Products is more than 35 years and to Design, develop & manufacture of these Products with the facility of highly advanced Machines, Equipment's & technical skills is more than 25 years. A 20,000 Sq. feet constructed Production Area with 1,50,000 units/Annum capacity, Product ranges 1 Nm to 40,000 Nm Torque capacities that helps you to select and use friendly the Sytco products. Our mission is to design, develop & manufacture

Products & Services

Brakes - Dynamic, Friction Disk - Block, Magnetic
Clutches - Fluid, Friction and Magnetic
Couplings - Mechanical, Flexible and Rigid
Power Transmission Equipment

Main Office

Plot No. A, 30, near Aroma Hotel, Sree Nagar
Latur MIDC, MIDC
Latur 413512 India
Phone: (203) 706-9465
Email: sales@sytcobrakes.com
www.sytcobrakes.com/



TAKRAF USA, Inc.*Booth 2149*

TAKRAF Group, through its established and well-known brands, TAKRAF and DELKOR, provides innovative technological solutions to the mining and associated industries. We leverage our experience, acquired over more than a century, to provide equipment, systems and services that best satisfy our clients' mining, comminution, material handling, liquid/solid separation and beneficiation requirements. Owners and operators around the world trust our engineered solutions to lower the total cost of ownership and reduce environmental impact by improving efficiency with safe and reliable equipment. For sustainable solutions backed by expert service you can rely on TAKRAF Group.

Products & Services

Automation
Consulting - Design and Planning
Consulting - Engineering
Conveyor Systems
Crushers and Pulverizers
Excavators
Feeders
Flotation Machines and Equipment
Parts - Mining Machinery
Thickeners

Main Office

4643 S Ulster St, Regency Plz, Ste 900
Denver, CO 80237 United States of America
Phone: (303) 714-8050
www.takraf.com

Tank Connection*Booth 1839*

Tank Connection is the international leading manufacturer of bolted storage tanks and aluminum covers for liquid and dry bulk storage applications.

Products & Services

Bins, Hoppers, Silos and Storage
Thickeners

Main Office

3609 N 16th St
Parsons, KS 67357 United States of America
Phone: (620) 423-3010
www.tankconnection.com/

Tecera International Co, Ltd*Booth 504*

Tecera is professional manufacturer of alumina ceramics. The main product include ceramic liner tile, grinding media, cylinder, mosaic as well as rubber ceramic panel, ceramic rubber hose for wear protection of various equipments like chute, hopper, cyclone as well as pipeline.

Products & Services

Grinding Media and Liners
Hoses - Valves and Fittings
Linings and Claddings

Main Office

Shuang yang Town
Rm 620, Century Business Center, Liuquan Rd
Zibo 255185 China
Phone: +8613953397731
www.tecera.com.cn/

Technogenia Lasercarb Oklahoma Inc*Booth 939*

Technogenia, the innovators of laser cladding process technology Lasercarb®, are strategically applying Technolase® powders with Spherotene®, a spherical cast tungsten carbide, to the OD and ID of critical components to extend wear life against abrasion, corrosion and erosion. Technogenia's Torch Applied Welding products, Technosphere and Technodur rope and Technopowders, are the leading wear protection products available for abrasion, erosion, impact and corrosion. Applications include drill bits, wear pads, stabilizers, conveyor screws, mixing blades, construction equipment parts and any non-martensitic steels and weldable stainless steels.

Products & Services

Coatings (does not include Linings and Claddings)
Consulting - Engineering
Crushers and Pulverizers
Dredges
Drill Bits - Rock
Excavators
Parts - Mining Machinery
Pumps
Underground Excavation Services and Equipment
Welding Equipment and Supplies

Main Office

41 South Cooley Dr
Oklahoma City, OK 73127 United States of America
Phone: (405) 470-3350
www.technogeniaUSA.com

TechStar*Booth 1661*

With over 20 years in process controls and industrial automation, TechStar has everything needed to help get your measurement and process challenges solved and running in their optimal performance and output. Experience, innovative solutions, training and service are the foundation of what TechStar offers to customers. Backed by our world class manufacturing strategic partners, our team is well equipped to see you through every step of the toughest applications and challenges.

Products & Services

Analyzers
Automation
Liquid Level Indicators and Switches
Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments
Valves

Main Office

802 W 13th St
Deer Park, TX 77536 United States of America
Phone: (281) 542-0205
techstar.com

Tek84, Inc.*Booth 2024*

Tek84, Inc. is a market leader in high-technology security products for screening and surveillance. For over three decades, we have pioneered the use of ultra-low-dose x-ray imaging. Our full-body scanners rapidly and safely screen for precious metals.

Products & Services

Analyzers
Automation
Computer - Hardware and Services
Computer - Software and Services
Measurement and Monitoring Systems
Safety Equipment

Main Office

13495 Gregg Street
Poway, CA 92064 United States of America
Phone: (469) 343-6763
Email: jeff.parker@tek84.com
www.tek84.com

Teledyne Construction*Booth 546*

Teledyne Technologies is one of the most prolific scientific companies in the world specializing in space, defense and energy. Teledyne's newest business, Teledyne Construction, will be introducing and adapting many of our technologies used in these markets for the mining industry. Mining solutions will include, but are not limited to security, condition monitoring for conveyor belts, highwall and air quality, as well as vision under any conditions for heavy equipment operating in the mines.

Products & Services

Aerial Mapping and Surveying
Analyzers
Autonomous Vehicles
Conveyor Belting - Accessories and Equipment
Geological-Physical-Technical Services and Equip
Mine Evaluations - Surface and Underground
Mine Operators
Mineral Prospecting
Mining Contractors
Sensors

Main Office

1026 N. Williamson Blvd.
Daytona Beach, FL 32114 United States of America
Phone: (386) 888-3082
Email: ConstructionOrders@teledyne.com
www.teledyneconstruction.com

TEMA ISENMANN Inc*Booth 702*

TEMA ISENMANN, Inc. is North America's largest producer of open-cast polyurethane screen media and wear liners for the mining and aggregate industries. Our WS 85 products feature an innovative nokinbar fastening system. WS 2.10 wear liners and media incorporate our patented magnetic fastening technology. Located in Lexington, KY, our factory is also equipped to produce tension, bolt-in, and pin-and-sleeve panels. These offerings are engineered with superior wear characteristics and can be customized to meet the specific needs of each unique application.

Products & Services

Screens
Urethane Cast Parts

Main Office

2107 Sandersville Road
Lexington, KY 40511 United States of America
Phone: (859) 252-0613
Email: sales@temaisennmann.com
www.temaisennmann.com

EXHIBITORS



TerraSource Global

Booth 1507

Whether it's mining of gypsum, potash, salt, limestone, coal, or potash, the three flagship brands of TerraSource Global are high-performing and tough. Their rugged design and ability to maximize the necessary product yield is why they are heavily relied upon all over the globe. The Gundlach Crushers, Jeffrey Rader, Pennsylvania Crusher, and Elgin Separation Solutions equipment brands are extensively used in mining, and process a variety of materials, regardless of type, abrasiveness, or grade. We help facilities handle crushing and feeding needs. Major coal companies like Arch Coal, Peabody, Drummond, Consol, and Teck use our equipment.

Products & Services

Centrifuges
Consulting - Design and Planning
Consulting - Engineering
Crushers and Pulverizers
Dewatering Equipment
Feeders
Grinding Mills
Grizzlies - Feeding, Moving and Stationary
Parts - Mining Machinery
Reduction Technologies - Iron Ore, Steel, Mineral

Main Office

200 N Broadway, Ste 1735
St Louis, MO 63102 United States of America
Phone: (855) 483-7721
www.terraresource.com

Tessenderlo Kerley, Inc – moleko

Booth 419

Moleko, a business unit of Tessenderlo Kerley, delivers innovative, customer-focused solutions to the global mining industry. Headquartered in Phoenix, Arizona, Tessenderlo Kerley operates 13 manufacturing facilities across North America, supported by an extensive supply chain network. Our Products: • NaHS: Depresses copper and iron sulfides in copper/moly flotation circuits. • Thio-Gold: An eco-friendly alternative to cyanidation in gold processing. • DIMET: Captures and removes metals from wastewater and soil. • ABS: Ideal for cyanide neutralization, de-chlorination. • ASD: Used in copper/moly flotation and as a sulfidizing agent for oxide ores. Our sulfur-based chemistries maximize efficiency and minimize environmental impact.

Products & Services

Reagents - Chemical and Flocculants

Main Office

2910 N 44th St, Ste 100
Phoenix, AZ 85018 United States of America
Phone: (602) 889-8372
Email: info@moleko.com
www.moleko.com

Tetra Tech

Booth 1327

Tetra Tech is a leading, global provider of consulting and engineering services. We are differentiated by?Leading with Science?to provide innovative technical solutions to our clients. We support global commercial and government clients focused on water, environment, sustainable infrastructure, renewable energy, and international development. With 30,000 associates worldwide, Tetra Tech provides clear solutions to complex problems.? Join us in making a lasting impact on the world!

Products & Services

Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Mine Evaluations - Surface and Underground
Mine Operators
Remediation

Main Office

390 Union Blvd., Suite 400
Lakewood, CO 80228 United States of America
Phone: (303) 217-5700
Email: mining@tetratech.com
www.tetratech.com/mining

The Mineral Lab, Inc

Booth 925

The Mineral Lab has been providing the domestic and international mining, production and environmental industries with quick, accurate analyses at competitive prices since 1987. We provide chemical, mineralogical and structural analytical data to aid in mineral exploration, process development, product quality control, failure analysis and environmental control. The lab is staffed by a group of professionals with experience in x-ray spectroscopy (XRF, XRD, SEM), mineralogy, chemistry, and biology.

Products & Services

Laboratory and Scientific Services

Main Office

12929 W 26th, Ste 100
Golden, CO 80401 United States of America
Phone: (303) 232-8708
www.themineralallab.com

The Mining Record

Booth 1215

The Mining Record has been in continuous publication for 136 years and is recognized as the industry's leading newspaper. The Mining Record has an international readership. It focuses on timely and credible news reporting on exploration, discovery, development, production, joint ventures, acquisitions, operating results,

legislation, government reports and metals prices. Its readership is concentrated in the mining industry proper - mining companies, engineers, geologists, mine supervisory personnel, company officers and individuals engaged in exploration and large or small mine production. Every year, The Mining Record devotes an issue to the major conventions for the industry.

Products & Services

Publishers

Main Office

PO Box 1630
Castle Rock, CO 80104 United States of America
Phone: (303) 663-7820
Email: questions@miningrecord.com
www.miningrecord.com



Thermo Fisher Scientific

Booth 917

Thermo Fisher Scientific is proud of our Mission: To enable our customers to make the world healthier, cleaner, and safer. Connect with us to learn about the comprehensive range of solutions we offer to mining and minerals operations in exploration, field and laboratory analysis, worker safety, and environmental monitoring. We can help you operate more efficiently, safely, and profitably by applying advanced technologies at every stage of the process.

Products & Services

Analyzers
Automation
Exploration Equipment and Services
Flotation Machines and Equipment
Laboratory and Scientific Services
Laboratory Equipment and Supplies
Measurement and Monitoring Systems
Meters and Gauges
Process Controls and Instruments
Sampling Devices

Main Office

5225-1 Verona Rd
Madison, WI 53711 United States of America
Phone: (608) 276-6100
Email: marketing.ppa@thermofisher.com
thermofisher.com/mining

THIESS Mining USA Inc

Booth 1701

Thiess delivers specialized, scalable solutions across the mining life cycle in North and South America, Australia and Asia. Our experienced, skilled workforce drives superior performance in the face of any challenge – from innovative resource recovery to optimal fleet performance, to complex deep mining and technology-led reclamation. As a trusted partner to our clients, communities and suppliers, Thiess delivers unmatched value for mining operations, across different commodities and geographies.



Products & Services

Consulting - Design and Planning
 Consulting - Engineering
 Exploration Equipment and Services
 Maintenance Services
 Mine Operators
 Mining Contractors
 Reclamation Equipment and Services

Main Office

6415 S 3000 E, Suite 110
 Salt Lake City, UT 84121 United States of America
 Phone: (801) 300-1909
 Email: northamerica@thiess.com
 www.thiess.com

Thyssen Mining Group of Companies**Booth 1709**

Thyssen Mining Inc is a leading full-service underground development and mining contractor providing a comprehensive range of services across North America and around the globe. As a subsidiary of Thyssen Schachtbau International B.V. and as part of a world-wide team, Thyssen Mining offers shaft sinking, tunneling, civil construction, ground freezing, raise boring, mine development, grouting and contract mining.

Products & Services

Drilling Equipment
 Ground Freezing
 Grouting Services, Equipment and Materials
 Mining Contractors
 Shotcrete Equipment, Supplies and Services
 Tunnel Boring Equipment
 Tunnel Lining and Support Materials
 Underground - Construction and Structures
 Underground Excavation Services and Equipment
 Ventilation Systems, Materials and Equipment

Main Office

2409 Albert St N
 Regina, SK S4P 3E1 Canada
 Phone: (306) 949-6606
 www.thyssenmining.com

**Timberland Equipment Limited****Booth 1139**

OEM supplier of Hoists, Winches, Sheaves, Mine Rescue Hoists and cages, Mine Jack Underground Mobile Equipment.

Products & Services

Diesel Mining Equipment Manufacturers
 Hoists - Controls and Accessories
 Maintenance Equipment and Supplies

Main Office

459 Industrial Ave
 Woodstock, ON N4S 7Z2 Canada
 Phone: (519) 537-6262
 Email: sales@tewinch.com
 www.timberlandequipment.com

Timberline Drilling, Inc**Booth 740****Products & Services**

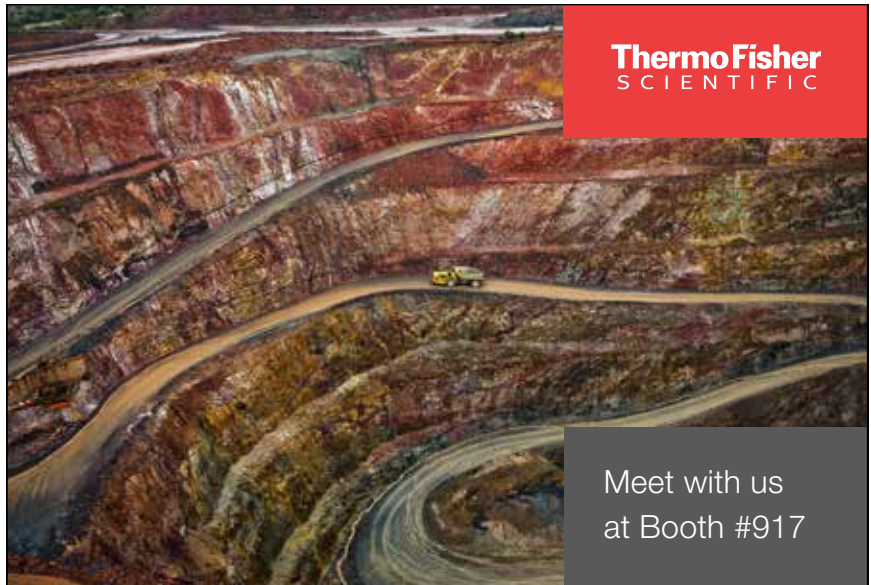
Drilling Contractors

Main Office

PO Box 3784
 Coeur d Alene, ID 83816 United States of America
 Phone: (208) 665-7211
 www.timberline-drilling.com

TIMINING**Booth 1310**

TIMining is a software company driving mining productivity, sustainability, and digitalization. Since 2011, we've supported 40 global mining operations, including key copper producers, using data and technology to enhance efficiency and safety. Our portfolio tackles challenges in operations, planning, and geotechnics, leveraging digital twin technology, 3D analytics, and real-time monitoring. By transforming data into actionable insights, we help clients improve decision-making, bridge the energy transition gap, and set benchmarks for scalable, sustainable mining. Supported by experienced mining experts, TIMining empowers the industry toward a better future. Learn more at www.timing.com.

**Optimize mining & processing operations**

Keep mining and mineral operations running efficiently, safely, and profitably with applied technology and proven solutions. As your industry partner, we offer a complete line of instruments, equipment, and software from exploration to mineral processing to ore delivery, that helps mining operators and mineral processors improve product quality, boost efficiency, lower production costs, and create safer, cleaner working environments. Meet with our specialists at Booth #917 to learn more.



Learn more at thermofisher.com/mining
 or email us at marketing.ppa@thermofisher.com

thermoscientific

EXHIBITORS

Products & Services

Computer - Software and Services
Consulting - Design and Planning
Consulting - Engineering
Mining Contractors
Reduction Technologies - Iron Ore, Steel, Mineral

Main Office

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Providencia
Santiago 7510200 Chile
Phone: +56 2 2953 9522
Email: contact@timining.com
www.timining.com

Titan Environmental

Booth 436

Based out of Houston, Texas, Titan Environmental USA supplies geosynthetics and specialty construction products used in civil, environmental, and geotechnical construction projects across the United States, and abroad. With a focus on geosynthetics fabrication, we operate a 36,000 SF fabrication facility that specializes in custom-order prefabricated geomembrane and geotextile panels for environmental applications and civil projects. We translate our product mix and expertise in reliable and environmentally sound solutions for construction projects in sectors that support essential infrastructure, community, and economic growth.

Products & Services

Concrete Reinforcement and Equipment
Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Dewatering Equipment
Educational
Environmental Control Equipment and Supplies
Tunnel Lining and Support Materials
Underground - Construction and Structures

Main Office

18900 Ceila Way
New Caney, TX 77357 United States of America
Phone: (306) 519-1773
www.titanenviro.com

TLT-Turbo, Inc

Booth 717

TLT-Turbo North America supplies ventilation solutions & equipment for a wide range of applications including, Main Mine Ventilation, Auxiliary & Booster Fans and Silencers.

Products & Services

Fans and Blowers
Ventilation Systems, Materials and Equipment

Main Office

2693 Wingate Ave, PO Box 3830
Akron, OH 44314 United States of America
Phone: (330) 776-5115
www.tlt-turbo.com

TOMRA Sorting

Booth 303

Sensor-based ore sorting technology for the mineral processing industry. A more efficient way to process

global resources. TOMRA Sorting Mining provides proven sensor-based sorting technology for efficient material separation in various mineral and ore applications such as in the processing of gold, polymetallic ores, lithium, diamonds, industrial minerals, and metal recovery from slag. World-wide, numerous sorting systems are already contributing to more energy-efficient and cost effective pre-concentrations as well as material recovery. TOMRA's sensor-based solutions help to extend the life of mining operations and increase the value of the deposit.

Products & Services

Sensors
Separators and Concentrators

Main Office

1536 Cole Blvd, Ste 225
Lakewood, CO 80401 United States of America
Phone: (720) 361-9033
www.tomra.com/mining

TopVu

Booth 140

Tracking Systems for mining. ORE TRACKING + EMERGENCY PREPAREDNESS SYSTEMS (Access Control, Personnel Tracking, patented eTagBoard & Emergency Assembly monitoring). The simplicity of RFID Technology makes TopVu systems Reliable, Effective and Budget friendly. TopVu software includes pre-engineered integration. Users can configure safeguards to detect human error and notify workers when they forget to "Tag-IN or Tag-OUT" ----- PRODUCTION & GEOLOGY can optimize their throughput by deploying TopVu's Ore Tracking system to analyze the muck's origin, type, grade, retention time and shipped location. Live monitoring, configurable alerts & historical reporting help geologists with mineral reconciliation, waste dilution monitoring, blending&more.

Products & Services

Automation
Communications Equipment
Computer - Software and Services
Geological-Physical-Technical Services and Equip
Information Technology Products
Measurement and Monitoring Systems
Quality Improvement
Safety Equipment
Sensors

Main Office

11 Mary St, Unit T
Sudbury, ON P3C 1B4 Canada
Phone: (705) 419-2555
Email: sales@topvu.ca
www.topvu.ca

Townley Engineering & Manufacturing, Co Inc

Booth 735

The Townley Company strives to be the industry leader in abrasion and corrosion wear solutions for mining, power, and dredging. Also, at the same time, advancing the development, design, manufacturing, and application of creative, high quality, cost-saving wear-resistant material technologies and products.

Products & Services

Castings
Dewatering Equipment
Flotation Machines and Equipment
Linings and Claddings
Pipes
Pumps
Screens
Urethane Cast Parts
Valves

Main Office

10551 SE 110th St Rd
Candler, FL 32111 United States of America
Phone: (352) 687-3001
www.townley.net

TOYO GRINDING BALL CO.,LTD.

Booth 2106

Products & Services

Grinding Media and Liners

Main Office

4F, 2-3-10, Shinjuku Shinjuku-ku
1-11-20
TOKYO 1600022 Japan
Phone: +81354678080
Email: oka@toyo-gb.com
www.toyo-gb.com

TPSX

Booth 1032

TPSX is an industry leader in electrical/automation solutions. We focus on manufacturing custom electrical products and integrated solutions for our clients needs. Our Automation & Digital Applications group provides expertise on traditional instrumentation/ process automation in addition to applying machine learning, computer vision and robotic applications. We also have a strong Electrical Services team and working with our extensive resource network, we can meet your needs from maintenance, commissioning, startup and also design. Our experienced team of professional engineers, technologists, project managers and product specialists deliver a full range of services to commercial and industrial customers across North America.

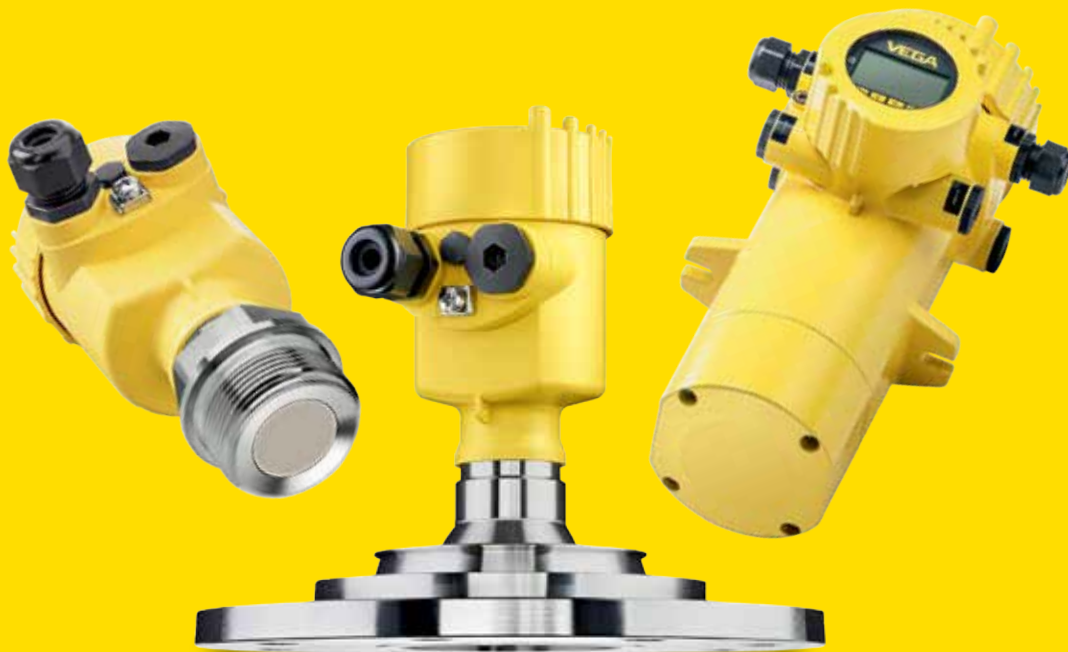
Products & Services

Automation
Controls - Electrical and Electronic
Electrical Equipment and Supplies
Maintenance Equipment and Supplies
Maintenance Services
Measurement and Monitoring Systems
Mine Evaluations - Surface and Underground
Power Transmission Equipment
Process Controls and Instruments
Solar Electric Power System

Main Office

315 1st St
Templeton, IA 51463 United States of America
Phone: (515) 461-5101
www.tpsx.us/





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From ore mining to ore processing and beyond, VEGA sensors provide simple, precise, and reliable measurements at every stage of ore production.

Our innovative radar, pressure, and radiometric density solutions simplify your mining processes, keeping operations smooth, efficient, and safe – because every measurement matters.

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VEGA

EXHIBITORS

Tricon Wear Solutions

Booth 1440

A global leader in the design, fabrication and service of high-quality, abrasion-resistant steel pipe and plate products. Tricon's Tri-Braze® and Super-C® plate are designed for liner and crusher applications. Ultra Tech pipe offers complete piping systems and solutions for both standard and specialized high-abrasion applications. Ultra 600 abrasion-resistant pipe is often used in paste backfill and borehole applications. Improve safety, profitability and sustainability with Tricon Wear Solutions.

Products & Services

Backfilling
Bins, Hoppers, Silos and Storage
Castings
Draglines
Hoses - Valves and Fittings
Linings and Claddings
Shotcrete Equipment, Supplies and Services
Steel Pipe
Valves

Main Office

2700 5th Avenue South
Irondale, AL 35210 United States of America
Phone: (205) 956-2567
Email: joe.ribecky@conforms.com
www.triconwearsolutions.com

Trinity Consultants

Booth 547

Founded in 1974, Trinity Consultants helps organizations overcome complex, mission-critical challenges in EHS, engineering, and science through expertise in consulting, technology, training, and staffing.

Main Office

12700 Park Central Dr, Ste 600
Dallas, TX 75251 United States of America
Phone: (267) 241-9401
www.trinityconsultants.com/

Tsurumi Pump

Booth 1523

Tsurumi Pump is a submersible pump manufacturer that supplies pumps worldwide for underground and open pit mine operations. Tsurumi pumps are capable of handling flows from 50 to 5000 gpm @ heads up to 750 feet. Parts are made of wear resistant materials capable of handling entrained solids commonly found in run of mine dewatering applications. Pump features such as dual inside mechanical seals (which do not require cooling from or come in contact with the abrasive liquid being pumped) is just one of the reasons Tsurumi Pump has become the pump of choice in mines throughout the world.

Products & Services

Pumps

Main Office

1625 Fullerton Ct
Glendale Heights, IL 60139 United States of America
Phone: (888) 878-7864
Email: info@tsurumipump.com
www.tsurumipump.com

Turner Mining Group

Booth 728

Turner Mining Group is a full-service provider to the mining sector with operations throughout the United States. A people company performing mining services, Turner finds success with turnkey solutions for enterprise clients and a values-based culture. The company supplies innovative fleet solutions, continuous engineering services, and sustainable mining practices through final reclamation. Headquartered in Utah and Indiana, Turner Mining Group is a true mining partner.

Products & Services

Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Mining Contractors

Main Office

304 W Kirkwood Ave, Ste 100
Bloomington, IN 47404 United States of America
Phone: (812) 277-9077
www.turnermining.com

U.S. Geological Survey (USGS), Mineral Resources Program (MRP)

Booth 1235

We are the Nation's primary source of scientific information about the full life cycle and supply chains of mineral resources. Our science is essential to responsibly managing natural resources and to procuring minerals needed to sustain and advance modern manufacturing, technology, infrastructure, and low-carbon energy production.

Products & Services

Educational
Government Agency - Entity
Laboratory and Scientific Services

Main Office

12201 Sunrise Valley Dr, MS 913
Reston, VA 20192 United States of America
Phone: (703) 648-6312
Email: minerals@usgs.gov
www.usgs.gov/energy-and-minerals/mineral-resources-program

UCC Environmental

Booth 2000

UCC Environmental is a global leader in environmental solutions for solids handling, wastewater treatment and pollution control technologies in mining, power generation and heavy industrial markets. Since 1920, UCC has been committed to the design, supply, construction, and maintenance of world class systems precisely engineered to better serve heavy industry providers. UCC maintains a robust team of research & development engineers, designers, and supply chain personnel to ensure the highest degree of performance, quality and timely delivery of manufactured components and replacement parts. The company offers a global network of sales and service representatives serving customers worldwide.

Products & Services

Classifiers
Conveyor Systems
Crushers and Pulverizers
Dewatering Equipment
Grinding Mills
Parts - Mining Machinery
Pollution Control Equipment
Reagents - Chemical and Flocculants
Valves
Water Clarification and Treatment

Main Office

2100 Norman Dr
Waukegan, IL 60085 United States of America
Phone: (847) 672-1354
www.uccenvironmental.com

Union Tech

Booth 2047

Union Tech valves are installed worldwide in critical service applications such as autoclave isolation and slurry transport. In addition to mining applications, Union Tech valves are used throughout the entire energy supply chain – upstream, midstream, downstream, and power generation. Union Tech's world-scale manufacturing facilities encompass a global footprint of more than 250,000 square feet of dedicated manufacturing space, housing hundreds of CNC machines capable of 50,000 hours of monthly machining capacity. Union Tech's unique approach to engineering and production, whereby substantial components are machined internally, and critical manufacturing processes are performed in-house, differentiates Union Tech from the industry.

Products & Services

Valves

Main Office

11727 Veterans Memorial Dr
Houston, TX 77067 United States of America
Phone: (281) 300-0894
www.uniontechmfg.com

United Central Industrial Supply

Booth 823

Through hard work and dedication since 1974, United Central Industrial Supply has been providing mine operators throughout North America with the highest quality supplies, regional rebuild and repair services, instrument repair and cable/cable repair services. We deliver the products that customers need when they need them, service our customers with unmatched efficiency, leveraging exclusive relationships with leading manufacturers. Our ability to lower a mine's cost per ton comes from the wide range of products and technical support we offer. This blend of products supplied by 1,100+ manufacturers along with our unmatched customer service, have been the cornerstone of our success.

Products & Services

Conveyor Belting - Accessories and Equipment
Filters, Filter Cloth and Accessories
Hoses - Valves and Fittings
Lighting Systems and Lamps



Longwall Mining Equipment
Meters and Gauges
Pumps
Roof - Ground Supports
Safety Equipment
Ventilation Systems, Materials and Equipment

Main Office

1241 Volunteer Pkwy, Ste 1000
Bristol, TN 37620 United States of America
Phone: (423) 573-7306
www.unitedcentral.net

Univar Solutions

Booth 1233

Largest North American chemical distribution company supplying specialty and commodity chemicals to the mining industry including Gold, Copper, Nickel, Cobalt, Zinc, Coal, Lithium, etc. Also includes chemical supply to the explosives industry. Univar Solutions has the supplier relationships, global scale and local support to provide best in class service and security of supply.

Products & Services

Blending Systems
Classifiers
Emissions Control
Explosive Materials and Services
Grinding Media and Liners
Ion Exchange Equipment and Resins
Lubricants and Equipment
Reagents - Chemical and Flocculants
Solvents - Extraction, Mixer and Settlers

Main Office

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Downers Grove, IL 60515 United States of America
Phone: (602) 525-9874
Email: stacey.macdonald@univarsolutions.com
www.univarsolutions.com/

University of Arizona Mining and Geological Engineering

Booth 616

The University of Arizona is the new face of mining. The School of Mining and Mineral Resources and the Department of Mining and Geological Engineering represent the largest interdisciplinary mineral resources research group in the US. Our students have diverse backgrounds that demonstrate cultural competency; they are adept at creative problem solving, leadership, communication, with strong fundamentals in engineering and science. Our innovative research emphasizes leading technologies that solve tomorrow's problems. Graduate programs are offered both on-campus and online.

Products & Services

Educational

Main Office

1235 E James E Rogers Way, Rm 231
Tucson, AZ 85721 United States of America
Phone: (520) 621-6063
www.mge.engineering.arizona.edu

University of Kentucky Department of Mining Engineering

Booth 1227

Products & Services

Educational

Main Office

310 Columbia Ave, 230 MMRB
Lexington, KY 40506 United States of America
Phone: (859) 257-8026
www.engr.uky.edu/mng/

University of Utah, Mining Engineering Department

Booth 519

Products & Services

Educational

Main Office

135 S 1460 E, #313
Salt Lake City, UT 84112 United States of America
Phone: (801) 585-5176
www.mining.utah.edu

Valley Forge & Bolt Mfg Co

Booth 1722

Valley Forge & Bolt Mfg. Co. is a domestic manufacturer of fasteners supplying the mining industry for the last 50 years. We have developed patented technologies that will completely change your way of thinking about a bolted joint. Our line of mill fasteners include the Ridgeback®, Sealing Ridgeback®, and regular liner bolts. We also have load-indicating fasteners that track bolt load data visually with our Maxbolt™, electronically with our SPC4® fasteners or remote/wirelessly with our 720R meter series.

Products & Services

Fasteners - Industrial
Meters and Gauges
Parts - Mining Machinery

Main Office

4410 W Jefferson St
Phoenix, AZ 85043 United States of America
Phone: (602) 269-5748
www.vfbolts.com

Valmet Flow Control

Booth 627

We are a global leader in flow control solutions and services. Our valves, pumps and valve automation technologies are known for quality, reliability and highest safety. Our customers operate in pulp, paper and board industry, mining and metals, chemicals, refining, energy and many other process industries. With our market-leading expertise, products and services we are committed to bring your business forward.

Products & Services

Aerators
Automation
Communications Equipment

Controls - Hydraulic and Pneumatic
Environmental Control Equipment and Supplies
Pumps
Transportation
Valves
Water Clarification and Treatment

Main Office

808 Barkwood Ct, Ste N
Linthicum, MD 21090 United States of America
Phone: (410) 636-2250
www.valmet.com



VDG (Van der Graaf)

Booth 707

VDG (Van der Graaf) is the world's leader in the design and manufacturing of drum motors for all types of belt conveyor applications, including mining and aggregate, ship loading, and power generation. Manufacturing drum motors since 1985, VDG continues to adhere to a simple principle: design a superior product through innovation, continuous research and development, and precision manufacturing to meet customer needs in a changing marketplace. With in-house manufacturing in the USA and Canada using cutting-edge production technology and automation, VDG ensures product quality, short lead-times, and after-sales service.

Products & Services

Conveyor Belting - Accessories and Equipment
Conveyor Systems
Drives - Belt, Chain, Fluid and Gear
Electric Motors and Generators

Main Office

13771 Cavaliere Dr
Shelby Township, MI 48315 United States of America
Phone: (888) 326-1476
www.vandergraaf.com



VEGA Americas, Inc

Booth 1832

VEGA's full product line of level, pressure, density, and weight measurement solutions allows us to provide one of the most complete ranges of measurement solutions in the industry. We are proud to apply our products and solutions to serve a wide variety of industries, including energy, petrochemical, chemical, oil and gas, pulp and paper, pharmaceutical, mining, plastics, food and beverage, bulk solids, and water and wastewater. We believe the future of instrumentation lies in the ability to produce high quality, innovative products that keep pace with technology, and provide service and value to our customers.

Products & Services

Process Controls and Instruments

EXHIBITORS

Main Office

3877 Mason Research Pkwy
Cincinnati, OH 45306 United States of America
Phone: (513) 515-6465
www.vega.com

Veolia Water Technologies

Booth 1600

Veolia Water Technologies partners with exploration, engineering, and mining companies to solve even the most difficult mine water challenges. We provide a full range of mine water treatment services including preliminary and detailed engineering, standard and custom water treatment equipment, maintenance support and mobile water treatment options. We understand the unique requirements of mining operations and our worldwide expertise in mine water issues allows us to offer specialized water treatment solutions that treat water and efficiently remove a wide range of contaminants in order to help comply with discharge requirements and stringent regulations.

Products & Services

Filters, Filter Cloth and Accessories
Ion Exchange Equipment and Resins
Reclamation Equipment and Services
Remediation
Water Clarification and Treatment

Main Office

4001 Weston Pkwy
Cary, NC 27513 United States of America
Phone: (919) 653-4544
Email: water.info@veolia.com
www.veoliawatertech.com



COLLEGE OF ENGINEERING
MINING AND MINERALS
ENGINEERING
VIRGINIA TECH



The Department eagerly awaits reuniting with friends, alumni, and students at its annual

Alumni Reception

during the 2025 SME Annual Conference & Expo, Denver, Colorado

Visit us online for more information and details on the location and time of this special event!

www.mining.vt.edu

Veracio

Booth 1553

Our mission is simple. At Veracio, we're building and deploying a new wave of technologies that will redefine the way the world mines. Leveraging artificial intelligence and advanced analytics to generate powerful, differentiated data about what lies beneath us. Where believe more is less. And when you know more, you work better, you search less and waste less.

Products & Services

Automation
Consulting - Research
Exploration Equipment and Services
Laboratory Equipment and Supplies
Measurement and Monitoring Systems

Main Office

2455 3600 W
Salt Lake City, UT 84104 United States of America
Phone: (435) 233-4586
veracio.com

Verder Scientific Inc

Booth 2234

Verder Scientific specializes in the development, manufacture, and distribution of high-quality equipment and systems for advanced material testing and analysis in the mining sector. The company's comprehensive portfolio encompasses solutions designed for the preparation, characterization, and analysis of a wide range of mineral and metal samples, ensuring precision, reliability, and efficiency in laboratory and field operations. Its product lineup includes sample preparation equipment such as crushers, mills, and sieves, alongside analytical instruments like combustion analyzers and particle analyzers. These offerings are instrumental in enhancing productivity, optimizing operational processes, and ensuring compliance with environmental and safety standards.

Products & Services

Analyzers
Crushers and Pulverizers
Furnaces - Industrial Process
Grinding Media and Liners
Grinding Mills
Kilns
Laboratory and Scientific Services
Laboratory Equipment and Supplies
Process Controls and Instruments
Quality Improvement

Main Office

11 Penns Trail, Ste 300
Newtown, PA 18940 United States of America
Phone: (267) 757-0351
Email: info-us@verder-scientific.com
www.verder-scientific.com/

Vermeer Corp

Booth 1736

Vermeer Corporation delivers a real impact on the way important work gets done through the design, manufacture and support of high-quality industrial and agricultural equipment that helps connect people to the necessities of life, manage natural resources and fuel communities. With a reputation for being built tough and built a better way, that equipment is backed by localized customer service and support provided by

independent dealers around the world. To learn about Vermeer Corporation, products, the dealer network, financing options and careers, visit our website.

Products & Services

Dewatering Equipment
Diesel Mining Equipment Manufacturers
Drilling Equipment
Environmental Control Equipment and Supplies

Main Office

1210 Vermeer Rd East
Pella, IA 50219 United States of America
Phone: (641) 621-7541
www.vermeer.com

Victaulic

Booth 1322

Victaulic, a global leader in mechanical pipe joining and flow control solutions, specializes in innovative systems tailored to the mining industry. With over a century of expertise, Victaulic delivers robust, reliable products that enhance safety, efficiency, and sustainability in challenging environments. Our portfolio includes grooved couplings, valves, and fittings designed to streamline installations, reduce downtime, and withstand extreme conditions. Committed to excellence and innovation, Victaulic partners with mining operations worldwide to optimize resource extraction and processing, ensuring operational success while meeting evolving industry demands. Victaulic sets the standard for performance and dependability in the mining sector.

Products & Services

Backfilling
Coal Preparation Plants
Couplings - Mechanical, Flexible and Rigid
Dewatering Equipment
Fire Protection
Pipes
Valves

Main Office

4901 Kesslersville Rd
Easton, PA 18040 United States of America
Phone: (610) 559-3546
www.victaulic.com

ViewTech Borescopes

Booth 207

ViewTech Borescopes is the leading provider of articulating video borescopes in North America, with over 3,000 units in service across a wide range of industries and applications. Our first product, released in 2008, set a new standard for portability, ergonomics and ease-of-use, with its industry-first mechanical, joystick-controlled articulation. This original borescope, the VJ, was followed by the VJ-Advance, VJ-3, and now the just-released VJ-4. The all new VJ-4 video borescope combines cutting edge imaging technology with an intuitive user interface, striking the perfect balance between performance and design.

Products & Services

Maintenance Equipment and Supplies
Measurement and Monitoring Systems
Process Controls and Instruments
Quality Improvement
Refinery Equipment
Safety Equipment
Welding Equipment and Supplies



Main Office

1745 Barlow St
 Traverse City, MI 49686 United States of America
 Phone: (231) 943-1171
 Email: info@viewtech.com
 www.ViewTech.com



COLLEGE OF ENGINEERING
 MINING AND MINERALS
 ENGINEERING
 VIRGINIA TECH

Virginia Tech Department of Mining & Minerals Engineering

Booth 619

The Virginia Tech Department of Mining and Minerals Engineering is one of the largest minerals and energy related programs in North America, with a strong international reputation for its academic (undergraduate and graduate), research, and public service programs. Housed within a nationally ranked College of Engineering at Virginia's public land-grant research university, the department engages in broad research efforts, to include sustainable mineral and energy resource development, occupational health and safety, optimized separation processes, and coalbed methane recovery. It is home to two research centers: the Virginia Center for Coal and Energy Research and the Center for Advanced Separation Technologies.

Products & Services

Consulting - Research
 Educational

Main Office

378 Holden Hall, Virginia Tech
 445 Old Turner St.
 Blacksburg, VA 24061 United States of America
 Phone: (540) 231-6671
 Email: mineinfo@vt.edu
 www.mining.vt.edu

Virta Inc**Booth 2004**

VIRTA Inc. was established in 2019 as a wholly-owned subsidiary of Fluor Corporation, with a leadership team offering hundreds of years of collective experience in the engineering and delivery of custom engineered bulk material handling systems. Dedicated to offering complete material handling systems integration with a focus on high capacity overland conveyors, Virta partners strategically with specialty equipment and component suppliers, and global steel fabricators to deliver innovative and complete capital-efficient systems. Every project is custom designed and built with a solution optimized for safety, life-cycle cost-effectiveness, reliability and availability.

Products & Services

Bins, Hoppers, Silos and Storage
 Consulting - Design and Planning
 Conveyor Belting - Accessories and Equipment
 Conveyor Systems
 Feeders

Main Office

5909 Sea Lion Pl, Ste B
 Carlsbad, CA 92010 United States of America
 Phone: (949) 349-7070

Email: info@virtainc.com
 www.virtainc.com

Vision X USA**Booth 338**

Established in 1997, Vision X Lighting's products have consistently astounded customers with their lighting's ability to perform in harsh environments and unbeatable light output. The engineering, product development, and marketing are conducted from the Vision X USA office, while Vision X Asia is home to the manufacturing, testing, and inventory logistics departments of Vision X Global Lighting. Today, Vision X Lighting has strong partnerships spanning across the globe where they continue to develop the most advanced lighting products in the world.

Products & Services

DC Power
 Electrical Equipment and Supplies
 Lighting Systems and Lamps
 Maintenance Equipment and Supplies
 Parts - Mining Machinery
 Safety Equipment

Main Office

1601 Boundary Blvd
 Auburn, WA 98001 United States of America
 Phone: (888) 489-9820
 www.visionxusa.com

Voith Group**Booth 1240**

With over 150 years of experience, Voith has proven products and technologies to meet the toughest drive system challenges. Whether our newest TPXL fill controlled coupling, Elin Motors, Engineered class pulleys, complete drive packages, or our proven hydrodynamic couplings now taking another step forward on the road to sustainability, Voith's reputation for well-engineered, reliable solutions will ensure your mining equipment is up to the task. Voith will display our latest Safeset torque limiting coupling technology used on crushers and AFC's for overload protection. Visit and download our mobile app Turbo-Guide to simplify your filling and technical questions for turbo couplings.

Products & Services

Clutches - Fluid, Friction and Magnetic
 Consulting - Engineering
 Conveyor Systems
 Couplings - Mechanical, Flexible and Rigid
 Drives - Belt, Chain, Fluid and Gear
 Drives - Magnetic and Variable
 Electric Motors and Generators
 Longwall Mining Equipment
 Power Transmission Equipment

Main Office

25 Winship Rd
 York, PA 17406 United States of America
 Phone: (717) 767-3200
 voith.com/corp-en/industry-solutions.html

WAAIME**Booth 3333**

For over 100 years, WAAIME volunteers have been rendering service to the USA and the World itself, by focusing on the professions of Mining, Metallurgical,

Petroleum Engineering and related Earth Sciences, and maintaining a scholarship fund to assist young men and women obtain a technical college education in these fields, as well as promoting the interchange of ideas/work among our members. WAAIME proudly has spent millions throughout the years assisting students, and is a division of SME with 13 Sections throughout the USA, Peru, Mexico, and Chile.

Products & Services

Educational

Main Office

12999 E Adam Aircraft Cir
 Englewood, CO 80112 United States of America
 Phone: (303) 948-4211
 www.waaimc.org

Water Specialists**Environmental Technologies****Booth 2104**

Water Specialists Environmental Technologies (WSET) manufactures a complete line of precipitants to meet the challenging needs of the mining industry. Our diverse precipitant line is designed to meet stringent discharge permits and can be part of a water reuse and resource recovery program. We also manufacture and provide complete water treatment chemicals for mining including coagulants, flocculants, rheology modifiers, flotation chemistry, and scale inhibitors. WSET's R&D, technical service, manufacturing, and sales engineers work closely with customers to help them maximize the performance of the systems and chemical programs while minimizing costs.

Products & Services

Consulting - Environmental
 Reagents - Chemical and Flocculants
 Remediation
 Water Clarification and Treatment

Main Office

1515 Kastner Place
 Sanford, FL 32771 United States of America
 Phone: (540) 353-4792
 Email: info@waterspecialists.biz
 www.waterspecialists.biz

Watershed Geo**Booth 1617**

Watershed Geo provides technical solutions for ongoing problematic environmental, civil and renewable energy infrastructure. These widely-recognized innovations challenge traditional solutions with systems that are sustainable, low-cost and engineered for extreme performance. Watershed's products solve an array of issues in industries such as geotechnical engineering, waste management, erosion control, and renewable energy. Watershed's branded technologies include ClosureTurf® for municipal, industrial and coal combustion residual landfill/impoundment final closures. HydroTurf® advanced revetment technology for high hydraulic shear protections. VersaCap® for intermediate landfill odor prevention, emission control and leachate reduction. PowerCap™ solar system for beneficial reuse. For more information visit our website.

Products & Services

Construction - Contracting Services
 Environmental Control Equipment and Supplies

EXHIBITORS

Mining Contractors
Sediment & Erosion Control
Solar Electric Power System
Water Clarification and Treatment

Main Office

1125 Sanctuary Pkwy., Ste 180
Alpharetta, GA 30009 United States of America
Phone: (770) 777-0386
Email: info@watershedgeo.com
watershedgeo.com

WEG

Booth 2116

WEG's purpose is to develop technologies and solutions that contribute to a more efficient and sustainable world for everyone. WEG is one of the largest manufacturers of electric motors in the world producing more than 10 million units annually. Committed to growth on a global scale, WEG continually invests in state-of-the-art manufacturing facilities and processes, and the development of reliable and more efficient industrial electrical solutions. WEG offers a diverse and integrated product line that includes motors, drives, soft starters, controls, gearing, panels, transformers, alternators, generators, turbines, and custom solutions.

Products & Services

Automation
Controls - Electrical and Electronic
Drives - Magnetic and Variable
Electric Motors and Generators
Gears - Pullers, Reducers and Pinions

Main Office

6655 Sugarloaf Pkwy
Duluth, GA 30097 United States of America
Phone: (800) 275-4934
www.weg.net



Weir

Booth 1517

Weir® is a global leader in mining technology. We recognize that our planet's future depends on the transition to renewable energy, and that transition can only happen with the metals and minerals our mining customers deliver. With signature brands including, WARMAN®, ENDURON®, GEHO® and MOTION METRICS®, we combine our deep customer insights, world-class engineering, materials science expertise and intelligent automation to deliver innovative end-to-end mining technology solutions that help our customers move less rock, use less energy, use water wisely and create less waste — accelerating the path to smart, efficient, and sustainable mining.

Products & Services

Automation
Excavators
Grinding Mills
Information Technology Products
Measurement and Monitoring Systems

Pumps
Sensors
Valves

Main Office

The Weir Group PLC, 1 W Regent St
Glasgow G2 1RW Scotland
Phone: (604) 822-5842
www.global.weir/

Wenco International Mining Systems

Booth 2140

For over 30 years, Wenco International Mining Systems has partnered with mining companies to extract unrealized value from their sites and equipment. With this focus, Wenco has developed an integrated suite of solutions to support the digital transformation of the mining industry. Proven fleet management, machine guidance, safety solutions, and asset health technologies join industry-leading open autonomy and machine learning to raise mine productivity, and lower costs, to establish a safe and effective mining operation. Wenco is a wholly owned subsidiary of Hitachi Construction Machinery headquartered in Vancouver, Canada.

Products & Services

Automation
Autonomous Vehicles
Computer - Hardware and Services
Computer - Software and Services
Safety Equipment
Trucks and Haulage Units

Main Office

100-13777 Commerce Pkwy
Richmond, BC V6V 2X3 Canada
Phone: (604) 270-8277
www.wencomine.com

West River Conveyors

Booth 1916

West River Conveyors manufactures underground and overland conveyor systems including head drives, tail sections, take up units, belt storage units, winches, discharge/transfer stations, chutes, starters, power packs and their own line of both underground and above ground conveyor structure. In addition to new conveyors, West River also sells conveyor belt, conveyor components and new and used conveyor parts. West River has surplus new inventory that can be used in many ways to suit your budgetary needs from parts to complete conveyors.

Products & Services

Belts - Power Transmission
Conveyor Belting - Accessories and Equipment
Conveyor Systems
Drives - Belt, Chain, Fluid and Gear
Gears - Pullers, Reducers and Pinions
Parts - Mining Machinery

Main Office

8936 Dismal River Road
Oakwood, VA 24631 United States of America
Phone: (276) 991-4450
www.westriverconveyors.com

West Virginia Univ Dept of Mining Engineering

Booth 518

Products & Services

Educational

Main Office

1374 Evansdale Dr, 365 Mineral Resources Bldg
Morgantown, WV 26506 United States of America
Phone: (304) 293-7680
www.mine.statler.wvu.edu/

WesTech Engineering, LLC

Booth 900

WesTech Engineering is an ISO 9001-certified company with half a century of experience in renewing water resources to help communities thrive. We provide industry expertise and liquid-solids separation solutions for mine, municipal, and industrial process applications — including product concentration, tailings disposal, acid mine drainage, and CCD circuit washing. We specialize in retrofits, replacements, and upgrades of all water treatment equipment. Many of our systems are available for temporary mobile/rental applications.

Products & Services

Coal Preparation Plants
Dewatering Equipment
Drives - Belt, Chain, Fluid and Gear
Filters, Filter Cloth and Accessories
Gravity Separators
Liquid Level Indicators and Switches
Screens
Separators and Concentrators
Thickeners
Water Clarification and Treatment

Main Office

3665 S W Temple
Salt Lake City, UT 84115 United States of America
Phone: (801) 265-1000
Email: info@westechwater.com
www.westechwater.com

Western Environmental Testing Lab (WETLAB)

Booth 915

Western Environmental Testing Laboratory (WETLAB) is a full-service environmental testing laboratory specializing in water, soil, and hazardous waste analysis. WETLAB holds certifications in Nevada and California. WETLAB's flagship laboratory is located in Sparks, Nevada with satellite facilities in Elko and Las Vegas, Nevada.

Products & Services

Laboratory and Scientific Services

Main Office

475 E Greg St, Ste 119
Sparks, NV 89431 United States of America
Phone: (775) 355-0202
Email: info@wetlaboratory.com
www.wetlaboratory.com



ENDURON® ELITE

Hard rock shouldn't be hard work

**The new ENDURON® ELITE Banana
screens for hard rock mining.
Increased throughput, superior efficiency.**

Available in a range of sizes with the largest weighing in at close to 50 tonnes and a deck measuring 4.3m x 8.5m. Powered by Weir's new patent-pending ETX exciters, providing an energy-efficient operation with just two exciters.



ENDURON® ELITE Banana screens deliver significant advantages in efficiency, lowering energy consumption, as well as simplified maintenance requirements, ensuring minimal downtime.

www.global.weir/ENDURON-ELITE

WEIR

Mining technology for a sustainable future

EXHIBITORS

WestLand Engineering and Environmental Services

Booth 337

WestLand was established in 1997 to provide an innovative and collaborative approach to engineering and environmental consulting services. Our work is based on sound scientific and engineering principals that are characterized by integrity and quality. Our multi-disciplinary teams are experts in biology, cultural resources, water and waste-water engineering, and landscape architecture. Westland works with federal, state, county, municipal, and tribal regulatory partners to monitor and ensure compliance with the Clean Water Act, Endangered Species Act, National Environmental Policy Act, National Historic Preservation Act, and related regulations and statutes.

Products & Services

Consulting - Engineering
Consulting - Environmental

Main Office

4001 E Paradise Falls Dr
Tucson, AZ 85712 United States of America
Phone: (520) 206-9585
westlandresources.com



Westpro Machinery Inc

Booth 701

Westpro Machinery Inc. is an innovative Canadian company with an experienced engineering team that designs and manufactures mineral processing equipment. We have a global presence and over 38 years of experience in the mining industry, with worldwide manufacturing capabilities and equipment installations in over 25 countries. We are an industry leader with the latest technologies, best prices, quickest deliveries, and unmatched service.

Products & Services

Bins, Hoppers, Silos and Storage
Crushers and Pulverizers
Dryers
Flotation Machines and Equipment
Grinding Mills
Reagents - Chemical and Flocculants
Scrubbers
Separators and Concentrators
Thickeners
Washing Plants

Main Office

910 - 1111 W Hastings St
Vancouver, BC V6E 2J3 Canada
Phone: (250) 549-6710
www.westpromachinery.com

Williams Form Engineering Corp.

Booth 1862

Williams Form Engineering Corporation has been providing threaded steel bars and accessories for rock, soil and concrete anchors, post-tensioning systems, and concrete forming hardware systems in the construction industry for over 100 years. Our rock and soil anchor product line includes our Spin-Lock mechanical rock anchors, polyester resin anchors, multiple corrosion protection anchors, soil nails, strand anchors, mechanical soil anchors, Geo-Drill Hollow-Bar anchors, and micropiles. For concrete anchoring we offer Spin-Lock anchors, undercut anchors, reusable anchors and cast-in-place anchors. We also have a full line of All-Thread Rebar for tiebacks, micropiles and post-tensioning.

Products & Services

Fasteners - Industrial
Roof - Ground Supports
Tunnel Lining and Support Materials

Main Office

8165 Graphic Dr NE
Belmont, MI 49306 United States of America
Phone: (616) 866-0815
www.williamsform.com

Willowstick Technologies LLC

Booth 746

Willowstick specializes in the identification and characterization of groundwater flow paths and patterns in three dimensions. We provide patented and innovative nonintrusive geophysics techniques that identify the exact location and depth of groundwater flow paths. Mining clients have used our geophysical methods for mapping and modeling preferential groundwater flow paths at tailings impoundments, pits, dams, waste rock dumps, etc. In 20 years, the Willowstick method has been successful in over 700 projects around the world. For more information, visit us at www.willowstick.com

Products & Services

Consulting - Engineering
Geological-Physical-Technical Services and Equip
Measurement and Monitoring Systems
Mine Evaluations - Surface and Underground
Mining Contractors
Remediation
Sensors
Surveying Equipment and Supplies

Main Office

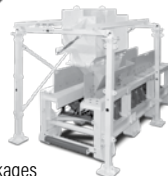
P.O. Box 754
Spanish Fork, UT 84660 United States of America
Phone: (801) 984-9850
Email: info@willowstick.com
www.willowstick.com

CONVEYOR SYSTEMS ENGINEERED FOR DEMANDING OPERATIONS



CUSTOM-BUILT SOLUTIONS

West River Conveyors has been engineering and manufacturing custom-built and turnkey conveyor packages for more than 40 years. Overland or underground, we are specialists in moving bulk materials over extended distances.



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OUR OTHER PRODUCTS AND SERVICES.**



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CONVEYORS**

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BOOTH #1916

Feb. 23-26, 2025
**DENVER
CO**

MINEXCHANGE

WESTRIVERCONVEYORS.COM | 800 332-2781 | FAX: 276 259-5252



A WIRTGEN GROUP COMPANY



Technology and performance for large infrastructure projects

► www.wirtgen.com/mining



260 SX(i): The 260 SX(i) provides solutions for the most challenging infrastructure projects and impresses with maximum availability and highest daily productivity. It is ideal for a wide range of applications such as routing work in road and railway construction, the excavation of harbour basins, trenching for buried pipelines and even for cutting work in tunnels. Take advantage of innovative solutions from the technology leader.

► www.wirtgen.com

WIRTGEN AMERICA, Inc. · 6030 Dana Way · Antioch, TN 37013 · Tel: +1 615 501 0600

EXHIBITORS

Wingfield Scale & Measure

Booth 605

Wingfield Scale & Measure provides inventory and measurement services across four departments. We design, install, maintain, calibrate, and certify scales for trucks, conveyors, rail, and labs. Our rental fleet includes the largest inventory of portable truck and rail scales. Using LiDAR and UAVs, we safely map and measure stockpiles, quarries, and underground mines. Real-time LiDAR systems track material moved by conveyor, haul truck, and rail to optimize production. Our technology brings accurate, actionable data to help manage site inventories and operations.

Products & Services

Aerial Mapping and Surveying
Automation
Computer - Hardware and Services
Computer - Software and Services
Consulting - Engineering
Conveyor Belting - Accessories and Equipment
Measurement and Monitoring Systems
Rail Systems and Supplies
Scales
Surveying Equipment and Supplies

Main Office

2205 S Holtzclaw Ave
Chattanooga, TN 37404 United States of America
Phone: (423) 698-0100
www.wingfieldscale.com

Wingtra AG

Booth 647

Products & Services

Aerial Mapping and Surveying
Autonomous Vehicles
Surveying Equipment and Supplies

Main Office

Giesshübelstrasse 40
Zurich 8045 Switzerland
Phone: +41782417084
www.wingtra.com

Winn-Marion Companies

Booth 1662

For over 50 years Winn-Marion has been a leader in automation and control acquisition, installation and support to the mining industry. Our best-in-class portfolio of products give our customers the greatest variety of products and services all under one roof. Whether it's a Winn-Marion designed solution, or someone else's, our expert engineers provide manufacturer certified maintenance and repair in the most extreme field conditions. When others can't – or simply won't – the teams at Winn-Marion make it work.

Products & Services

Analyzers
Automation
Communications Equipment
Controls - Hydraulic and Pneumatic
Drives - Magnetic and Variable
Emissions Control
Liquid Level Indicators and Switches
Measurement and Monitoring Systems
Meters and Gauges
Valves

Main Office

7151 S Blackhawk St, #900
Centennial, CO 80112 United States of America
Phone: (303) 567-6711
www.winn-marion.com

WireCo

Booth 628

WireCo is the market, manufacturing and technical leader in wire and synthetic rope manufacturing, providing a consultative approach to offer customers a single, reliable source for solutions that fit their specific application and budget needs.

Products & Services

Parts - Mining Machinery
Steel Wire Ropes/Cables

Main Office

2400 W 75th St
Prairie Village, KS 66208 United States of America
Phone: (816) 270-4700
Email: info@wireco.com
www.wireco.com



WIRTGEN GROUP

Wirtgen America

Booth 1710

The Wirtgen Group is a group of companies active in the global construction machinery industry that encompasses the products brands WIRTGEN, VÖGELE, HAMM, KLEEMANN, and BENNINGHOVEN, each with their own unique history. As the technology leader, we offer our customers machines for road construction and rehabilitation, systems for mining and processing recycled materials, and for asphalt production.

Products & Services

Continuous Mining Machines

Main Office

6030 Dana Wy
Antioch, TN 37013 United States of America
Phone: (615) 501-0600
www.wirtgenamerica.com

Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc

Booth 611

Wolf Point Engineers & Contractors is an EPC firm specializing in the design, supply and installation of bulk material handling facilities for a wide variety of industries. NAFCO is a leading structural steel & platework fabricator with over 350,000 square feet of shop space. WPE is a division of NAFCO.

Products & Services

Bins, Hoppers, Silos and Storage
Blending Systems
Coal Preparation Plants
Construction - Contracting Services
Consulting - Design and Planning
Consulting - Engineering
Conveyor Systems

Main Office

One North LaSalle St, Ste 4000
Chicago, IL 60602 United States of America
Phone: (312) 508-5550
www.wolfpointengineers.com

Women's Mining Coalition

Booth 802

Since 1993, the Womens Mining Coalition (WMC) has advocated for today's modern domestic mining industry which is essential to our Nation. WMC communicates that US jobs depend on mining, and that today's industry uses effective environmental and safety protection. We are an organization with nationwide representation, with members working as scientists, engineers, miners, and administrators. WMC members work in all sectors, including industrial minerals, metals, and coal mining; energy generation and distribution; manufacturing and transportation; and in the service industries.

Products & Services

Educational
Professional Society or Association

Main Office

PO Box 10101
Reno, NV 89510 United States of America
Phone: (307) 281-0148
www.wmc-usa.org

Woodgrove Technologies Inc.

Booth 104

Woodgrove Technologies is the world leader in Flotation Technology and Advanced Process Control. Our Direct Flotation Reactor represents a paradigm shift, elevating flotation technology to new heights with significant savings for clients in both installation and operation. Additionally, our Progressive Control solution ensures a more stable and efficient circuit. Woodgrove has supplied flotation equipment and advanced process control systems to over 200 mining operations worldwide.

Products & Services

Analyzers
Automation
Flotation Machines and Equipment
Process Controls and Instruments

Main Office

3737 Chesswood Dr
Toronto, ON M3J 2P6 Canada
Phone: (416) 751-4848
www.woodgrovetech.com

Workwear Outfitters

Booth 202

Main Office

545 Marriott Dr. Ste.100
Nashville, TN 37214 United States of America
Phone: (615) 565-5068
wwof.com/

Worldsensing SL

Booth 1433

Worldsensing is a global IoT pioneer. We are experts in monitoring large-scale and civil infrastructure through IoT remote technology. Together with a global part-



ner network, we serve engineering customers in 70+ countries across mining, construction, rail and structural health.

Products & Services

Automation
Computer - Hardware and Services
Computer - Software and Services
Information Technology Products
Measurement and Monitoring Systems
Sensors
Tunnel Lining and Support Materials

Main Office

Carrer Viriat 47, 10th floor
Barcelona 08014 Spain
Phone: +34 93 418 05 85
www.worldsensing.com/

WSP

Booth 1019

WSP has a global mining consultancy with the people and expertise to drive positive change in the industry. With over 5,200 professionals focused on the mining sector, our multi-disciplinary team partners with clients to deliver strategic value at every stage in a mine's life cycle. Solving the challenges of today and preparing for the future, WSP proudly champions sustainable practices to guide the industry to where it needs to go next. WSP in Mining. Grounded in tomorrow.

Products & Services

Backfilling
Consulting - Design and Planning
Consulting - Engineering
Consulting - Environmental
Consulting - Management
Grouting Services, Equipment and Materials
Laboratory and Scientific Services
Mine Evaluations - Surface and Underground
Remediation
Transportation

Main Office

7245 W Alaska Dr, Ste 200
Lakewood, CO 80226 United States of America
Phone: (303) 980-0540
www.wsp.com/en-gl/sectors/mining

x-Glo North America Inc

Booth 1336

x-Glo North America Inc, distributor of industrial grade LED lighting solutions and is committed to developing and supplying high quality x-Glo LED lighting products and systems that are purpose built for mining, tunneling, oil & gas and other industrial applications.

Products & Services

Alarm Systems
Communications Equipment
Controls - Electrical and Electronic
Lighting Systems and Lamps
Safety Equipment

Main Office

15 Rita St
Markstay, ON P0M 2G0 Canada
Phone: (705) 698-0441
www.x-glo-na.com

XRSciences

Booth 225

XRSciences (XRS) designs and builds highly accurate elemental analyzers. These analyzers measure 100% of the raw material in-process (or a sample stream). Whether the raw material is rock on a conveyor, slurry in a pipe (or a sample stream/flotation tank), or powder being transported pneumatically, we can accurately measure the elemental composition. Example: Cu/Fe/Cl .05%, Au-PPM. The founder of XRS invented the technology, and there are now over 3,000 of these systems running worldwide. Our analyzers are legendary for their accuracy, repeatability, and stability. Uses: Mineral accounting, process insight/feedback/control, ore sorting, quality control.

Products & Services

Analyzers
Blending Systems
Coal Preparation Plants
Measurement and Monitoring Systems
Process Controls and Instruments
Sampling Devices
Sensors

Main Office

2101 Las Palmas Dr., Ste F
Carlsbad, CA 92011 United States of America
Phone: (760) 402-8663
Email: colin_charette@xrsciences.com
www.xrsciences.com

Xylem Inc

Booth 1723

Xylem Service Solutions provides the largest portfolio of self-priming and submersible pumping solutions for purchase or rent in the mining industry enabling total project customization. In addition to the quality reputation of the Godwin and Flygt brands, Xylem offers advanced monitoring and controls technologies and 24/7/365 mechanical, engineering and onsite services ranging from minor repairs to complete system rebuild. Serving mine operations across the United States and Canada from 60+ Xylem Service Centers, Xylem can handle any water management needs, including world-class water treatment, odor and corrosion control capabilities from our newly combined Evoqua Services business.

Products & Services

Consulting - Engineering
Controls - Electrical and Electronic
Measurement and Monitoring Systems
Pumps
Water Clarification and Treatment

Main Office

235 E Pima St
Phoenix, AZ 85004 United States of America
Phone: (469)-416-0347
www.xylem.com

Yellow Jacket Drilling Services

Booth 1237

Yellow Jacket Drilling Services, LLC (YJD) has built its reputation as being a premier provider of high quality, safe, and cost effective environmental drilling services. YJD's corporate office is located in Phoenix, Arizona. The projects that we service are supported from offices located in Arizona, California, Oregon, and Colorado.

YJD specializes in, but is not limited to, providing drilling services to the Environmental, Geotechnical, Mining, Water Supply and Energy Market Sectors. Some of our available drilling methodologies include: Flooded Reverse Circulation, Dual Tube Reverse Circulation, Dual Rotary, Mud Rotary, Air Rotary, Air Rotary Casing Hammer (ARCH), Air Rotary Casing Advancement (STRATEX).

Products & Services

Drilling Contractors

Main Office

3922 E University Dr, Ste 1
Phoenix, AZ 85034 United States of America
Phone: (602) 453-3252
Email: info@yjdrilling.com
www.yellowjacketdrilling.com

ZF Industrial Drives

Booth 1649

ZF Industrial Drives is a manufacturer of premium quality planetary gearboxes for a wide spectrum of applications – from stationary mining machinery to 800 ton mining excavators. We offer a wide product range, combined with a high level of engineering expertise, decades of experience, the highest production quality and a global service network make ZF a valuable partner for critical applications in the mining industry. Our new Redulus4F gearbox is designed to be as compact as possible with a broad torque range from 100,000 to 7,200,000 kNm. The flexible design offers over 2000 customized possibilities, all guaranteeing maximum output.

Products & Services

Gears - Pullers, Reducers and Pinions
Parts - Mining Machinery
Power Transmission Equipment
Tunnel Boring Equipment

Main Office

15351 SW 29th, Ste 300
Miramar, FL 33027 United States of America
Phone: (954) 441-4040
www.zf.com/industrialgearboxes

Zitron USA, LLC

Booth 1326

Products & Services

Ventilation Systems, Materials and Equipment

Main Office

1 White Oak Trace
Beckley, WV 25801 United States of America
Phone: (304) 222-4178
www.Zitron.com



PRODUCTS & SERVICES

Aerators

EcoMister Evaporator-Booth 2038
Flender Corporation-Booth 608
Gold Ore (Pty) Ltd-Booth 2233
Hayward Gordon Group-Booth 1335
Valmet Flow Control-Booth 627

Aerial Mapping and Surveying

airth.io-Booth 2009
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Carlson Software-Booth 1015
Esri-Booth 1750
Exyn Technologies-Booth 132
Flyability Inc-Booth 638
Frontier Precision Geospatial/Unmanned-Booth 2001
Juniper Systems-Booth 2245
Maptek-Booth 901
Montrose Environmental-Booth 1762
PhotoSat-Booth 1532
Propeller-Booth 238
RDO Equipment Company-Booth 1948
Strayos-Booth 136
Teledyne Construction-Booth 546
Wingfield Scale & Measure-Booth 605
Wingtra AG-Booth 647

Agitators, Vibrators and Mixers

Crimar Industrial-Booth 304
Deister Concentrator-Booth 1858
Eirich Machines, Inc-Booth 2017
Flender Corporation-Booth 608
GPM Inc-Booth 128
Hayward Gordon Group-Booth 1335
Joest Inc-Booth 929
Mixtec North America-Booth 824
MOGAS Industries, Inc-Booth 536
Pennndrill-Booth 2231

Air Compressors

Adhesive Services Company-Booth 1560
Irwin Car and Equipment-Booth 1938

Alarm Systems

PROVIX-Booth 1338
Strata Products Worldwide, LLC-Booth 1514
x-Glo North America Inc-Booth 1336

Analyzers

Alia Instruments BV-Booth 2235
Betttersize Inc.-Booth 1651
Bruker-Booth 510
CANTY-Booth 2138
Draslovka Mining Process Solutions-Booth 449
Emerson-Booth 1031
Endress+Hauser-Booth 531
Honeywell-Booth 1805
Malvern Panalytical-Booth 809
Molycop-Booth 845
Northwest Instruments and Controls-Booth 549
Radom Instruments-Booth 736
Redwave Solutions US LLC-Booth 738
Rust Automation & Controls Inc-Booth 637
SABIA-Booth 1136
Scantech International Pty Ltd-Booth 1626
SPECTRO Analytical Instruments-Booth 1754
Sympatec-Booth 1912
TechStar-Booth 1661
Tek84, Inc.-Booth 2024
Teledyne Construction-Booth 546
Thermo Fisher Scientific-Booth 917
Verder Scientific Inc-Booth 2234
Winn-Marion Companies-Booth 1662
Woodgrove Technologies Inc.-Booth 104
XRSciences-Booth 225

Assay Equipment

BICO Inc-Booth 1622
Radom Instruments-Booth 736
SPECTRO Analytical Instruments-Booth 1754
Sunset Manufacturing-Booth 317

Automation

Accutron Instruments Inc-Booth 138
airth.io-Booth 2009
ANDRITZ-Booth 1629
ASI Mining-Booth 1526
Becker Mining Systems-Booth 2114
Caterpillar-Booth 1016
Draslovka Mining Process Solutions-Booth 449
Eclipse Mining Technologies-Booth 1653
EcoMister Evaporator-Booth 2038
Emerson-Booth 1031
Epiroc-Booth 1401
Gai-tronics / Austdac-Booth 1951
H2E Inc-Booth 1435
Honeywell-Booth 1805
Howden Canada Inc-Booth 1923
indurad-Booth 645
Itasca International, Inc-Booth 1126
Komatsu-Booth 1539
LOCTITE-Booth 1211
LoopX-Booth 445
Maestro Digital Mine-Booth 325
Malvern Panalytical-Booth 809
Matrix Service Company-Booth 1844
Mine Vision Systems-Booth 2144
Molycop-Booth 845
MST Global-Booth 1538
Nalco Water, an Ecolab Company-Booth 306
Nerospec SK USA Corp-Booth 2232
Northwest Towers-Booth 2123
Pennndrill-Booth 2231
Process Technology, Inc-Booth 512
PROVIX-Booth 1338
Rocvent Inc-Booth 832
Roxia Inc-Booth 649
Roxsyle Systems LLC-Booth 1932
Rust Automation & Controls Inc-Booth 637
SABIA-Booth 1136
Samuel Engineering, Inc-Booth 1041
Sandvik-Booth 1123
Simem Underground Solutions, Inc-Booth 1719
Strata Products Worldwide, LLC-Booth 1514
Stratom Inc-Booth 1934
TAKRAF USA, Inc.-Booth 2149
TechStar-Booth 1661
Tek84, Inc.-Booth 2024
Thermo Fisher Scientific-Booth 917
TopVu-Booth 140
TPSX-Booth 1032
Valmet Flow Control-Booth 627
Veracio-Booth 1553
WEG-Booth 2116
Weir-Booth 1517
Wenco International Mining Systems-Booth 2140
Wingfield Scale & Measure-Booth 605

Winn-Marion Companies-Booth 1662
Woodgrove Technologies Inc.-Booth 104
Worldsensing SL-Booth 1433

Autonomous Vehicles

ASI Mining-Booth 1526
Caterpillar-Booth 1016
Epiroc-Booth 1401
Esri-Booth 1750
ExcelSense Technologies-Booth 1746
Exyn Technologies-Booth 132
Frontier Precision Geospatial/Unmanned-Booth 2001
HEXAGON-Booth 1105
Immersive Technologies-Booth 1833
Komatsu-Booth 1539
Liebherr-Booth 1439
LoopX-Booth 445
Nerospec SK USA Corp-Booth 2232
Rail-Veyor Technologies Global Inc-Booth 1625
Stratom Inc-Booth 1934
Teledyne Construction-Booth 546
Wenco International Mining Systems-Booth 2140
Wingtra AG-Booth 647

Backfilling

Aerix Industries-Booth 1623
Foam Concepts LLC-Booth 1530
GMS Mine Repair & Maintenance-Booth 805
Itasca International, Inc-Booth 1126
Jord International-Booth 100
Master Builders Solutions-Booth 1313
NorthStar-Booth 850
Odin Construction Solutions-Booth 417
Paterson & Cooke USA, Ltd-Booth 1325
Simem Underground Solutions, Inc-Booth 1719
Tricon Wear Solutions-Booth 1440
Victaulic-Booth 1322
WSP-Booth 1019

Belts - Power Transmission

Continental-Booth 817
Dodge Industrial, Inc-Booth 836
REESCO-Booth 122
Regal Rexnord-Booth 602
Rema Tip Top-Booth 323
Sefar Inc-Booth 545
West River Conveyors-Booth 1916

Bins, Hoppers, Silos and Storage

Aumund Corporation-Booth 2006
Blue Star Steel-Booth 2150
Fisher Tank Company-Booth 2244
Great Basin Industrial, LLC-Booth 1800
Hawk Measurement-Booth 1636
indurad-Booth 645
Irwin Car and Equipment-Booth 1938
JADCO Manufacturing Inc-Booth 509
Jenike & Johanson-Booth 935
Kalenborn Abresist Corporation-Booth 1639
Kamengo-Booth 937
Marietta Silos, LLC-Booth 1756
Masaba Inc-Booth 1811
Matrix Service Company-Booth 1844
Mechanical & Ceramic Solutions, Inc-Booth 631
Pennndrill-Booth 2231
Rapat Corporation-Booth 706
REESCO-Booth 122
SAI America Corp-Booth 103



Simem Underground Solutions, Inc-Booth 1719
 Sprung Structures-Booth 624
 Structural Steel & Plate Fabrication-Booth 441
 Tank Connection-Booth 1839
 Tricon Wear Solutions-Booth 1440
 Virta Inc-Booth 2004
 Westpro Machinery Inc-Booth 701
 Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611

Blasting Accessories, Equipment and Agents

Becker Mining Systems-Booth 2114
 Carlson Software-Booth 1015
 Dyno Nobel-Booth 1223
 Foam Concepts LLC-Booth 1530
 Heat Tech Industrial-Booth 1802
 HEXAGON-Booth 1105
 Juniper Systems-Booth 2245
 LOCTITE-Booth 1211
 Orica-Booth 1711
 Phoenix Lighting-Booth 927

Blending Systems

Aumund Corporation-Booth 2006
 BEUMER Group-Booth 1945
 Carrier Process Equipment Group (CPEG)-Booth 2008
 Falco Technologies Inc-Booth 646
 FEECO International, Inc-Booth 1259
 GEA Group-Booth 2051
 Hayward Gordon Group-Booth 1335
 Jenike & Johanson-Booth 935
 Rapat Corporation-Booth 706
 Scantech International Pty Ltd-Booth 1626
 Univar Solutions-Booth 1233
 Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611
 XRSciences-Booth 225

Boring Equipment

Antraquip Corporation-Booth 1615
 Carlson Software-Booth 1015
 Herrenknecht Tunneling Systems-Booth 1219
 Juniper Systems-Booth 2245
 MILLER-Booth 1928
 Subterranean Boring Inc-Booth 508

Brakes - Dynamic, Friction Disk - Block, Magnetic

Brunel Corp-Booth 906
 Hilliard Brake Systems-Booth 1239
 Johnson Industries Ltd-Booth 1745
 Regal Rexnord-Booth 602
 SYTCO Engineers-Booth 651

Briquetters

Koeppern Group-Booth 934

Castings

Bradken-Booth 2039
 Crimar Industrial-Booth 304
 FC Mill Liners, Inc-Booth 1903
 JADCO Manufacturing Inc-Booth 509
 Magotteaux-Booth 1559
 ME Elecmetal-Booth 1601
 Ram Alloys-Booth 1850
 Townley Engineering & Manufacturing, Co Inc-Booth 735
 Tricon Wear Solutions-Booth 1440

Centrifuges

Alfa Laval-Booth 1849
 CANTY-Booth 2138
 Derrick Corporation-Booth 1116
 Flottweg Separation Technology, Inc-Booth 838
 GEA Group-Booth 2051
 Hayward Gordon Group-Booth 1335
 Lechler, Inc-Booth 515
 Northwest Instruments and Controls-Booth 549
 PHOENIX Process Equipment-Booth 924
 Pocock Industrial, Inc-Booth 1333
 Sefar Inc-Booth 545
 Somerset International-Booth 403
 TerraSource Global-Booth 1507

Classifiers

Deister Concentrator-Booth 1858
 Derrick Corporation-Booth 1116
 General Kinematics-Booth 622
 Iracore/Irathane Systems Inc-Booth 1115
 Joest Inc-Booth 929
 PHOENIX Process Equipment-Booth 924
 Redwave Solutions US LLC-Booth 738
 Somerset International-Booth 403
 UCC Environmental-Booth 2000
 Univar Solutions-Booth 1233

Clutches - Fluid, Friction and Magnetic

Brunel Corp-Booth 906
 Hilliard Brake Systems-Booth 1239
 Kraft Power Corp-Booth 2022
 Regal Rexnord-Booth 602
 SYTCO Engineers-Booth 651
 Voith Group-Booth 1240

Coal Preparation Plants

Belt Conveyor Guarding-Booth 807
 CAB-Booth 1738
 FGX SepTech Global LLC-Booth 401
 Mechanical & Ceramic Solutions, Inc-Booth 631
 Scantech International Pty Ltd-Booth 1626
 Somerset International-Booth 403
 Structural Steel & Plate Fabrication-Booth 441
 Victaulic-Booth 1322
 WesTech Engineering, LLC-Booth 900
 Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611
 XRSciences-Booth 225

Coatings (does not include Linings and Claddings)

A.W. Chesterton Company-Booth 2122
 Custom Linings, Inc-Booth 501
 Endura Paint-Booth 105
 Heat Tech Industrial-Booth 1802
 InduMar Products, Inc.-Booth 726
 JT Thorpe Industrial, Inc.-Booth 423
 Kalenborn Abresist Corporation-Booth 1639
 Kopper Chemical Industry Corp.,Ltd.-Booth 1562
 LOCTITE-Booth 1211
 MOGAS Industries, Inc-Booth 536
 RAM Enterprise, Inc-Booth 601
 Rema Tip Top-Booth 323
 RubberSource Inc-Booth 1456
 Structural Steel & Plate Fabrication-Booth 441
 Technogenia Lasercarb Oklahoma Inc-Booth 939

Communications Equipment

Becker Mining Systems-Booth 2114
 Carroll Technologies Group-Booth 1332

Gai-tronics / Austdac-Booth 1951
 IWT-Booth 1531
 Juniper Systems-Booth 2245
 Maestro Digital Mine-Booth 325
 Matrix Design Group-Booth 745
 MineARC Systems-Booth 123
 Monico Monitoring, Inc-Booth 933
 MST Global-Booth 1538
 Nerospec SK USA Corp-Booth 2232
 Northwest Towers-Booth 2123
 PROVIX-Booth 1338
 RDO Equipment Company-Booth 1948
 Strata Products Worldwide, LLC-Booth 1514
 TopVu-Booth 140
 Valmet Flow Control-Booth 627
 Winn-Marion Companies-Booth 1662
 x-Glo North America Inc-Booth 1336

Compactors

Koeppern Group-Booth 934

Computer - Hardware and Services

ASI Mining-Booth 1526
 Juniper Systems-Booth 2245
 Molycop-Booth 845
 Monico Monitoring, Inc-Booth 933
 Northwest Towers-Booth 2123
 Propeller-Booth 238
 Stratom Inc-Booth 1934
 Symbioticware-Booth 1804
 Tek84, Inc.-Booth 2024
 Wenco International Mining Systems-Booth 2140
 Wingfield Scale & Measure-Booth 605
 Worldsensing SL-Booth 1433

Computer - Software and Services

airth.io-Booth 2009
 ANDRITZ-Booth 1629
 ASI Mining-Booth 1526
 Canary Systems, Inc-Booth 1744
 Carlson Software-Booth 1015
 COGEP Maintenance Software-Booth 1028
 Costmine-Booth 1518
 Datamine Software-Booth 1823
 Deswik-Booth 1814
 Draslovka Mining Process Solutions-Booth 449
 Eclipse Mining Technologies-Booth 1653
 Esri-Booth 1750
 Exyn Technologies-Booth 132
 Hevi-Booth 750
 HEXAGON-Booth 1105
 Honeywell-Booth 1805
 Howden Canada Inc-Booth 1923
 Information Alignment Pty Ltd-Booth 1637
 Itasca International, Inc-Booth 1126
 Juniper Systems-Booth 2245
 Kopper Chemical Industry Corp.,Ltd.-Booth 1562
 KPI Mining Solutions-Booth 1911
 Maptek-Booth 901
 Matrix Design Group-Booth 745
 Metsim International-Booth 301
 Mine Vision Systems-Booth 2144
 Molycop-Booth 845
 Monico Monitoring, Inc-Booth 933
 MOSIMTEC LLC-Booth 2249
 Noregon Systems-Booth 432
 Northwest Towers-Booth 2123
 Propeller-Booth 238

PRODUCTS & SERVICES

RESPEC-Booth 1413
Sofvie Inc-Booth 1261
Stratom Inc-Booth 1934
Symbioticware-Booth 1804
Sync Mine Safety-Booth 729
Tek84, Inc.-Booth 2024
TIMINING-Booth 1310
TopVu-Booth 140
Wenco International Mining Systems-Booth 2140
Wingfield Scale & Measure-Booth 605
Worldsensing SL-Booth 1433

Concrete Reinforcement and Equipment

Adhesive Services Company-Booth 1560
AGRU America, Inc-Booth 1619
Antraquip Corporation-Booth 1615
Bekaert-Booth 923
Minova-Booth 1038
SKAPS Industries-Booth 633
Strata Products Worldwide, LLC-Booth 1514
Titan Environmental-Booth 436

Construction - Contracting Services

Adhesive Services Company-Booth 1560
AECOM-Booth 1317
Aecon-Booth 734
AGA & Sons Inc/Stuttgart Athohause-Booth 1759
Ames Construction-Booth 2133
Aquatech-Booth 516
Barnard Construction Company, Inc-Booth 427
Belt Conveyor Guarding-Booth 807
Burns & McDonnell Engineering Company, Inc-Booth 431
Byrncut Group-Booth 737
CCC Group, Inc-Booth 1851
Cementation USA Inc-Booth 422
Cowin & Company/Raisebor-Booth 2045
DeWind One Pass Trenching LLC-Booth 2102
Drill Tech Drilling & Shoring Inc-Booth 1024
ENTACT, LLC-Booth 529
Envirocon, Inc-Booth 813
Fisher Tank Company-Booth 2244
FKC-Lake Shore-Booth 1229
Forgen-Booth 703
GHD-Booth 127
GMS Mine Repair & Maintenance-Booth 805
Harrison Western Construction Corporation, Inc-Booth 1734
HCC Group-Booth 1036
Hoffman Manufacturing, Inc-Booth 224
Howden Canada Inc-Booth 1923
JHL Constructors-Booth 439
Kalenborn Abresist Corporation-Booth 1639
Keller-Booth 1418
Kiewit-Booth 829
Matrix Service Company-Booth 1844
MegaDome Buildings by Harnois-Booth 2241
MES Mining-Booth 617
MILLER-Booth 1928
Morgan Companies-Booth 2229
NewFields-Booth 1608
Norseman Structures-Booth 1030
Northwest Towers-Booth 2123
Pacific West Environmental & Infrastructure-Booth 1763
Phillips & Jordan, Inc-Booth 1438
Phoenix Industrial-Booth 1339
RAM Enterprise, Inc-Booth 601
Samuel Engineering, Inc-Booth 1041

Sprung Structures-Booth 624
Stewart Brothers Drilling Co-Booth 1607
Sundt Construction-Booth 1817
Titan Environmental-Booth 436
Turner Mining Group-Booth 728
Watershed Geo-Booth 1617
Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611

Consulting - Design and Planning

AECOM-Booth 1317
AGA & Sons Inc/Stuttgart Athohause-Booth 1759
Agapito Associates Inc-Booth 1023
AIL Mining-Booth 1137
airth.io-Booth 2009
AMPS-Booth 2145
Aquatech-Booth 516
ARCADIS-Booth 623
Barr Engineering Co-Booth 801
BEUMER Group-Booth 1945
BGC Engineering-Booth 1946
Burns & McDonnell Engineering Company, Inc-Booth 431
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Cementation USA Inc-Booth 422
Civil & Environmental Consultants, Inc (CEC)-Booth 841
CQA Solutions, Ltd-Booth 2100
Datamine Software-Booth 1823
Dyno Nobel-Booth 1223
Foth Infrastructure & Environment, LLC-Booth 1534
Geo-Logic Associates-Booth 1840
GHD-Booth 127
Hatch-Booth 1340
Hazen Research-Booth 203
HEXAGON-Booth 1105
Hilfiker Retaining Walls-Booth 1505
Hoffman Manufacturing, Inc-Booth 224
HUESKER Inc-Booth 1714
Independent Mining Consultants, Inc-Booth 1316
Itasca International, Inc-Booth 1126
Jenike & Johanson-Booth 935
Kiewit-Booth 829
Knight Piésold and Co-Booth 1314
Linkan Engineering-Booth 1717
Maccaferri, Inc-Booth 1537
MAPEI Corporation-Booth 1426
Maptek-Booth 901
Matrix Service Company-Booth 1844
Millcreek Engineering Co-Booth 1944
Mineral Technologies-Booth 1141
Mining Plus US-Booth 1860
MOGAS Industries, Inc-Booth 536
Montgomery & Associates-Booth 1737
Montrose Environmental-Booth 1762
MOSIMTEC LLC-Booth 2249
NewFields-Booth 1608
Northwest Towers-Booth 2123
ORE-MAX-Booth 700
Rapat Corporation-Booth 706
Redwave Solutions US LLC-Booth 738
REI Drilling, Inc-Booth 322
RESPEC-Booth 1413
Roxsyle Systems LLC-Booth 1932
Samuel Engineering, Inc-Booth 1041
SLR International Corporation-Booth 1431
SRK Consulting (US), Inc-Booth 1423

Stantec Consulting-Booth 1216
TAKRAF USA, Inc.-Booth 2149
TerraSource Global-Booth 1507
Tetra Tech-Booth 1327
THIESS Mining USA Inc-Booth 1701
TIMINING-Booth 1310
Titan Environmental-Booth 436
Turner Mining Group-Booth 728
Virta Inc-Booth 2004
Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611
WSP-Booth 1019

Consulting - Engineering

AECOM-Booth 1317
AGA & Sons Inc/Stuttgart Athohause-Booth 1759
Agapito Associates Inc-Booth 1023
AIL Mining-Booth 1137
AIMC-Booth 326
airth.io-Booth 2009
AMPS-Booth 2145
Aquatech-Booth 516
ARCADIS-Booth 623
Aumund Corporation-Booth 2006
Barr Engineering Co-Booth 801
BBA USA Inc-Booth 438
Beck Engineering-Booth 331
Benetech, Inc.-Booth 1025
BEUMER Group-Booth 1945
BGC Engineering-Booth 1946
Bridgestone Americas Tire Operations-Booth 517
Burns & McDonnell Engineering Company, Inc-Booth 431
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Canary Systems, Inc-Booth 1744
Cementation USA Inc-Booth 422
Civil & Environmental Consultants, Inc (CEC)-Booth 841
Colorado School of Mines - Department of Mining Engineering-Booth 523
Contech Engineered Solutions-Booth 825
Costmine-Booth 1518
CQA Solutions, Ltd-Booth 2100
Datamine Software-Booth 1823
Deswik-Booth 1814
Dyno Nobel-Booth 1223
Eagle Engineering-Booth 950
Emerson-Booth 1031
Englo, Inc-Booth 1328
Falco Technologies Inc-Booth 646
Foth Infrastructure & Environment, LLC-Booth 1534
Geo-Logic Associates-Booth 1840
GeoStabilization International-Booth 1429
Geosyntec Consultants-Booth 413
GHD-Booth 127
GMS Mine Repair & Maintenance-Booth 805
GPM Inc-Booth 128
H2E Inc-Booth 1435
Hatch-Booth 1340
Hoffman Manufacturing, Inc-Booth 224
Howden Canada Inc-Booth 1923
HUESKER Inc-Booth 1714
hydroGEOPHYSICS Inc-Booth 1527
HydroTech Mining-Booth 311
Iko Coletanche USA Inc-Booth 222
Independent Mining Consultants, Inc-Booth 1316
Industrial Systems Consulting-Booth 851



Itasca International, Inc-Booth 1126
 JBW Consulting Engineers-Booth 2228
 Jenike & Johanson-Booth 935
 Kiewit-Booth 829
 Knight Piésold and Co-Booth 1314
 Linkan Engineering-Booth 1717
 Maccaferri, Inc-Booth 1537
 Maptek-Booth 901
 Matrix Service Company-Booth 1844
 MES Mining-Booth 617
 Metsim International-Booth 301
 Millcreek Engineering Co-Booth 1944
 Mineral Technologies-Booth 1141
 Mining Plus US-Booth 1860
 Minova-Booth 1038
 MOGAS Industries, Inc-Booth 536
 Montrose Environmental-Booth 1762
 MOSIMTEC LLC-Booth 2249
 NewFields-Booth 1608
 Ninyo & Moore Geotechnical & Environmental Sciences Consultants-Booth 2026
 Northwest Towers-Booth 2123
 Okane Consultants-Booth 635
 ORE-MAX-Booth 700
 Paterson & Cooke USA, Ltd-Booth 1325
 Piteau Associates Engineering Ltd-Booth 1436
 Pocock Industrial, Inc-Booth 1333
 Ramboll-Booth 744
 Rapat Corporation-Booth 706
 RDO Equipment Company-Booth 1948
 REI Drilling, Inc-Booth 322
 RESPEC-Booth 1413
 Rocvent Inc-Booth 832
 Roxsyle Systems LLC-Booth 1932
 RWI Enhanced Evaporation Services-Booth 938
 Samuel Engineering, Inc-Booth 1041
 Saskatchewan Research Council-Booth 1034
 Sefar Inc-Booth 545
 Simem Underground Solutions, Inc-Booth 1719
 SLR International Corporation-Booth 1431
 Southern States LLC-Booth 2237
 SRK Consulting (US), Inc-Booth 1423
 Stantec Consulting-Booth 1216
 Symboticware-Booth 1804
 TAKRAF USA, Inc.-Booth 2149
 Technogenia Lasercarb Oklahoma Inc-Booth 939
 TerraSource Global-Booth 1507
 Tetra Tech-Booth 1327
 THIESS Mining USA Inc-Booth 1701
 TIMINING-Booth 1310
 Titan Environmental-Booth 436
 Turner Mining Group-Booth 728
 Voith Group-Booth 1240
 WestLand Engineering and Environmental Services-Booth 337
 Willowstick Technologies LLC-Booth 746
 Wingfield Scale & Measure-Booth 605
 Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611
 WSP-Booth 1019
 Xylem Inc-Booth 1723

Consulting - Environmental

AECOM-Booth 1317
 AGA & Sons Inc/Stuttgart Athohause-Booth 1759
 AIMC-Booth 326
 ARCADIS-Booth 623
 Barr Engineering Co-Booth 801
 Benetech, Inc.-Booth 1025

BGC Engineering-Booth 1946
 Burns & McDonnell Engineering Company, Inc-Booth 431
 Civil & Environmental Consultants, Inc (CEC)-Booth 841
 ConeTec Inc-Booth 614
 Cove Environmental-Booth 107
 CQA Solutions, Ltd-Booth 2100
 Esri-Booth 1750
 Foam Concepts LLC-Booth 1530
 Foth Infrastructure & Environment, LLC-Booth 1534
 Geo-Logic Associates-Booth 1840
 Geosyntec Consultants-Booth 413
 GHD-Booth 127
 GSI Environmental Inc.-Booth 1819
 Hatch-Booth 1340
 HUESKER Inc-Booth 1714
 hydroGEOPHYSICS Inc-Booth 1527
 Iko Coletanche USA Inc-Booth 222
 Itasca International, Inc-Booth 1126
 Knight Piésold and Co-Booth 1314
 Linkan Engineering-Booth 1717
 Micronics Engineered Filtration Group-Booth 2025
 MineARC Systems-Booth 123
 Montgomery & Associates-Booth 1737
 Montrose Environmental-Booth 1762
 Ninyo & Moore Geotechnical & Environmental Sciences Consultants-Booth 2026
 Okane Consultants-Booth 635
 Presto Geosystems-Booth 941
 Ramboll-Booth 744
 RESPEC-Booth 1413
 SAI America Corp-Booth 103
 SGS Minerals Services-Booth 800
 SLR International Corporation-Booth 1431
 SOLMAX-Booth 1012
 SRK Consulting (US), Inc-Booth 1423
 Stantec Consulting-Booth 1216
 Tetra Tech-Booth 1327
 Titan Environmental-Booth 436
 Water Specialists Environmental Technologies-Booth 2104
 WestLand Engineering and Environmental Services-Booth 337
 WSP-Booth 1019

Consulting - Financial Services

AIMC-Booth 326
 airth.io-Booth 2009
 Burns & McDonnell Engineering Company, Inc-Booth 431
 Independent Mining Consultants, Inc-Booth 1316
 Keystone Valuations, LLC-Booth 1561
 MOSIMTEC LLC-Booth 2249
 SLR International Corporation-Booth 1431
 SRK Consulting (US), Inc-Booth 1423

Consulting - Management

5DT (Fifth Dimension Technologies)-Booth 300
 AIMC-Booth 326
 airth.io-Booth 2009
 AMPS-Booth 2145
 ARCADIS-Booth 623
 Burns & McDonnell Engineering Company, Inc-Booth 431
 Civil & Environmental Consultants, Inc (CEC)-Booth 841
 Foth Infrastructure & Environment, LLC-Booth

1534
 Hatch-Booth 1340
 Independent Mining Consultants, Inc-Booth 1316
 Industrial Systems Consulting-Booth 851
 Information Alignment Pty Ltd-Booth 1637
 Itasca International, Inc-Booth 1126
 Kiewit-Booth 829
 KPI Mining Solutions-Booth 1911
 Matrix Service Company-Booth 1844
 Metsim International-Booth 301
 Mining Plus US-Booth 1860
 Molycop-Booth 845
 Montrose Environmental-Booth 1762
 MOSIMTEC LLC-Booth 2249
 NewFields-Booth 1608
 Samuel Engineering, Inc-Booth 1041
 SLR International Corporation-Booth 1431
 Sofvie Inc-Booth 1261
 SRK Consulting (US), Inc-Booth 1423
 Stantec Consulting-Booth 1216
 Sundt Construction-Booth 1817
 Tetra Tech-Booth 1327
 WSP-Booth 1019

Consulting - Research

AIMC-Booth 326
 Allonnia-Booth 200
 Blue Coast Research-Booth 636
 Civil & Environmental Consultants, Inc (CEC)-Booth 841
 Colorado School of Mines - Department of Mining Engineering-Booth 523
 Endolith-Booth 2247
 Hazen Research-Booth 203
 hydroGEOPHYSICS Inc-Booth 1527
 Itasca International, Inc-Booth 1126
 Keystone Valuations, LLC-Booth 1561
 Metcom Technologies Inc-Booth 1705
 Montrose Environmental-Booth 1762
 MOSIMTEC LLC-Booth 2249
 Pocock Industrial, Inc-Booth 1333
 RESPEC-Booth 1413
 Saskatchewan Research Council-Booth 1034
 SLR International Corporation-Booth 1431
 SRK Consulting (US), Inc-Booth 1423
 Stratom Inc-Booth 1934
 Symboticware-Booth 1804
 Veracio-Booth 1553
 Virginia Tech Department of Mining & Minerals Engineering-Booth 619

Continuous Mining Machines

5DT (Fifth Dimension Technologies)-Booth 300
 Antraquip Corporation-Booth 1615
 BEUMER Group-Booth 1945
 Cornell Pump Co-Booth 1706
 ExcelSense Technologies-Booth 1746
 HCC Group-Booth 1036
 HEICO Fastening Systems-Booth 733
 Komatsu-Booth 1539
 Mine Vision Systems-Booth 2144
 Miner Elastomer-Booth 1739
 Mineral Technologies-Booth 1141
 Sandvik-Booth 1123
 Wirtgen America-Booth 1710

Controls - Electrical and Electronic

ABB-Booth 1917
 Adria Power Systems-Booth 1360

PRODUCTS & SERVICES

ANDRITZ-Booth 1629
Coolon USA, Inc-Booth 2223
DEA Incorporated-Booth 1357
Dragflow USA-Booth 911
Emerson-Booth 1031
FKC-Lake Shore-Booth 1229
Gai-tronics / Austdac-Booth 1951
Geotech Environmental Equipment, Inc-Booth 1624
H2E Inc-Booth 1435
Hepburn Engineering Inc-Booth 1801
Howden Canada Inc-Booth 1923
Kraft Power Corp-Booth 2022
Northwest Towers-Booth 2123
RDO Equipment Company-Booth 1948
Roxsyle Systems LLC-Booth 1932
Samuel Engineering, Inc-Booth 1041
Syntron Material Handling-Booth 922
TPSX-Booth 1032
WEG-Booth 2116
x-Glo North America Inc-Booth 1336
Xylem Inc-Booth 1723

Controls - Hydraulic and Pneumatic

Bosch Rexroth - Häggblunds Drives-Booth 1246
Dragflow USA-Booth 911
Geotech Environmental Equipment, Inc-Booth 1624
Hepburn Engineering Inc-Booth 1801
Hoffman Manufacturing, Inc-Booth 224
Johnson Industries Ltd-Booth 1745
Kraft Power Corp-Booth 2022
Rust Automation & Controls Inc-Booth 637
Valmet Flow Control-Booth 627
Winn-Marion Companies-Booth 1662

Conveyor Belting - Accessories and Equipment

AGUDIO Ropeways-Booth 830
American-Biltrite-Booth 241
ASGCO Complete Conveyor Solutions-Booth 731
Becker Mining Systems-Booth 2114
Bekaert-Booth 923
Benetech, Inc.-Booth 1025
BEUMER Group-Booth 1945
Bosch Rexroth - Häggblunds Drives-Booth 1246
Continental-Booth 817
DEA Incorporated-Booth 1357
Dodge Industrial, Inc-Booth 836
Endurance Belting-Booth 639
Flexco-Booth 1610
Hawk Measurement-Booth 1636
Horne Conveyance Safety US Inc.-Booth 1362
Irwin Car and Equipment-Booth 1938
Luff Industries Ltd-Booth 1729
Midwest Industrial Supply, Inc-Booth 1238
Miner Elastomer-Booth 1739
Phoenix Lighting-Booth 927
Precision Pulley & Idler-Booth 719
RAM Enterprise, Inc-Booth 601
Rapat Corporation-Booth 706
REESCO-Booth 122
Regal Rexnord-Booth 602
Rema Tip Top-Booth 323
Rulmeca Limited-Booth 837
Sempertrans-Booth 1841
Teledyne Construction-Booth 546
United Central Industrial Supply-Booth 823
VDG (Van der Graaf)-Booth 707
Virta Inc-Booth 2004

West River Conveyors-Booth 1916
Wingfield Scale & Measure-Booth 605

Conveyor Systems

AGUDIO Ropeways-Booth 830
ASGCO Complete Conveyor Solutions-Booth 731
Aumund Corporation-Booth 2006
Belt Conveyor Guarding-Booth 807
Benetech, Inc.-Booth 1025
BEUMER Group-Booth 1945
Bunting-Booth 437
Carrier Process Equipment Group (CPEG)-Booth 2008
Continental-Booth 817
Coolon USA, Inc-Booth 2223
Endurance Belting-Booth 639
ExcelSense Technologies-Booth 1746
FEECO International, Inc-Booth 1259
FKC-Lake Shore-Booth 1229
Flender Corporation-Booth 608
Flexco-Booth 1610
FLS-Booth 1205
Gai-tronics / Austdac-Booth 1951
General Kinematics-Booth 622
GMS Mine Repair & Maintenance-Booth 805
Herrenknecht Tunneling Systems-Booth 1219
Hilfiker Retaining Walls-Booth 1505
Hilliard Brake Systems-Booth 1239
Hoffman Manufacturing, Inc-Booth 224
indurad-Booth 645
Jenike & Johanson-Booth 935
JENNMAR-Booth 1007
Luff Industries Ltd-Booth 1729
Masaba Inc-Booth 1811
Matrix Service Company-Booth 1844
Mechanical & Ceramic Solutions, Inc-Booth 631
Miner Elastomer-Booth 1739
Rail-Veyor Technologies Global Inc-Booth 1625
RAM Enterprise, Inc-Booth 601
Rapat Corporation-Booth 706
REESCO-Booth 122
Regal Rexnord-Booth 602
Rema Tip Top-Booth 323
Richwood-Booth 1828
Rulmeca Corporation-Booth 835
Rulmeca Limited-Booth 837
Sempertrans-Booth 1841
Simem Underground Solutions, Inc-Booth 1719
Superior Industries-Booth 1604
Syntron Material Handling-Booth 922
TAKRAF USA, Inc.-Booth 2149
UCC Environmental-Booth 2000
VDG (Van der Graaf)-Booth 707
Virta Inc-Booth 2004
Voith Group-Booth 1240
West River Conveyors-Booth 1916
Wolf Point Engineers & Contractors / North Alabama Fabricating Company, Inc-Booth 611

Coolers

Carrier Process Equipment Group (CPEG)-Booth 2008
FEECO International, Inc-Booth 1259
Howden Canada Inc-Booth 1923
Louisville Dryer Company-Booth 811

Couplings - Mechanical, Flexible and Rigid

AmerCable-Booth 1751
Belt Conveyor Guarding-Booth 807

Brunel Corp-Booth 906
Dodge Industrial, Inc-Booth 836
Flender Corporation-Booth 608
Kraft Power Corp-Booth 2022
Naylor Pipe Company-Booth 1501
Netafim USA-Booth 500
Ram Alloys-Booth 1850
Regal Rexnord-Booth 602
Robit Inc-Booth 1901
Southwest Irrigation LLC-Booth 101
SYTCO Engineers-Booth 651
Victaulic-Booth 1322
Voith Group-Booth 1240

Crushers and Pulverizers

Adhesive Services Company-Booth 1560
Belt Conveyor Guarding-Booth 807
BEUMER Group-Booth 1945
BICO Inc-Booth 1622
Crimar Industrial-Booth 304
ExcelSense Technologies-Booth 1746
Flender Corporation-Booth 608
HEICO Fastening Systems-Booth 733
indurad-Booth 645
JADCO Manufacturing Inc-Booth 509
Masaba Inc-Booth 1811
Matec America Inc-Booth 1757
McLanahan Corporation-Booth 1129
ME Elecmetal-Booth 1601
Mechanical & Ceramic Solutions, Inc-Booth 631
Metso-Booth 1001
MMD Mineral Sizing (America) Inc-Booth 1816
RAM Enterprise, Inc-Booth 601
REESCO-Booth 122
Sandvik-Booth 1123
Superior Industries-Booth 1604
TAKRAF USA, Inc.-Booth 2149
Technogenia Lasercarb Oklahoma Inc-Booth 939
TerraSource Global-Booth 1507
UCC Environmental-Booth 2000
Verder Scientific Inc-Booth 2234
Westpro Machinery Inc-Booth 701

Cyanide Process Equipment

Derrick Corporation-Booth 1116
Falco Technologies Inc-Booth 646
Molycop-Booth 845
ORE-MAX-Booth 700

DC Power

Adria Power Systems-Booth 1360
Becker Mining Systems-Booth 2114
Phoenix Lighting-Booth 927
Vision X USA-Booth 338

Dewatering Equipment

Abel Pumps-Booth 339
Adria Power Systems-Booth 1360
Alfa Laval-Booth 1849
ANDRITZ-Booth 1629
BEUMER Group-Booth 1945
Boart Longyear-Booth 1415
Carrier Process Equipment Group (CPEG)-Booth 2008
Cornell Pump Co-Booth 1706
DEA Incorporated-Booth 1357
Deister Concentrator-Booth 1858
Derrick Corporation-Booth 1116
DeWind One Pass Trenching LLC-Booth 2102



Diemme Filtration SRL–Booth 400
 Dragflow USA–Booth 911
 EcoMister Evaporator–Booth 2038
 Envirocon, Inc–Booth 813
 Flottweg Separation Technology, Inc–Booth 838
 FLS–Booth 1205
 General Kinematics–Booth 622
 GPM Inc–Booth 128
 Haver & Boecker Niagara–Booth 2141
 Hose Solutions Inc–Booth 1848
 HUESKER Inc–Booth 1714
 HydroTech Mining–Booth 311
 IPI Packers–Booth 739
 Itasca International, Inc–Booth 1126
 Joest Inc–Booth 929
 Jord International–Booth 100
 McLanahan Corporation–Booth 1129
 Megator-Pumps 2000 America–Booth 1330
 Metso–Booth 1001
 Micronics Engineered Filtration Group–Booth 2025
 Miller Sales & Engineering Inc–Booth 913
 Mudwizard–Booth 909
 Nalco Water, an Ecolab Company–Booth 306
 Naylor Pipe Company–Booth 1501
 Netafim USA–Booth 500
 PHOENIX Process Equipment–Booth 924
 Pocock Industrial, Inc–Booth 1333
 Premier Pressure Control–Booth 425
 PumpEng–Booth 1835
 QSP Packers, LLC–Booth 141
 Rain for Rent–Booth 1513
 REI Drilling, Inc–Booth 322
 Roxia Inc–Booth 649
 RWI Enhanced Evaporation Services–Booth 938
 Salem-Republic Rubber Co–Booth 1715
 Somerset International–Booth 403
 SRS Crisafulli, Inc–Booth 1941
 Superior Industries–Booth 1604
 TerraSource Global–Booth 1507
 Titan Environmental–Booth 436
 Townley Engineering & Manufacturing, Co Inc–Booth 735
 UCC Environmental–Booth 2000
 Vermeer Corp–Booth 1736
 Victaulic–Booth 1322
 WesTech Engineering, LLC–Booth 900

Diesel Equipment Lighting Systems

Coolon USA, Inc–Booth 2223
 Phoenix Lighting–Booth 927
 Rocvent Inc–Booth 832

Diesel Mining Equipment Manufacturers

Brookville Equipment Corp–Booth 1545
 Irwin Car and Equipment–Booth 1938
 J.H. Fletcher & Co–Booth 533
 Liebherr–Booth 1439
 Mine Rite Technologies–Booth 1753
 Normet Americas, Inc–Booth 1845
 Stratom Inc–Booth 1934
 Timberland Equipment Limited–Booth 1139
 Vermeer Corp–Booth 1736

Diesel Particulate Control Systems

Accutron Instruments Inc–Booth 138
 Becker Mining Systems–Booth 2114
 Radom Instruments–Booth 736

Draglines

5DT (Fifth Dimension Technologies)–Booth 300
 Caterpillar–Booth 1016
 CCC Group, Inc–Booth 1851
 Hilliard Brake Systems–Booth 1239
 Immersive Technologies–Booth 1833
 Tricon Wear Solutions–Booth 1440

Dredges

Alia Instruments BV–Booth 2235
 Dragflow USA–Booth 911
 ENTACT, LLC–Booth 529
 Envirocon, Inc–Booth 813
 Maccaferri, Inc–Booth 1537
 Miller Sales & Engineering Inc–Booth 913
 NorthStar–Booth 850
 Salem-Republic Rubber Co–Booth 1715
 SRS Crisafulli, Inc–Booth 1941
 Technogenia Lasercarb Oklahoma Inc–Booth 939

Drill Bits - Rock

American Mining Services LLC–Booth 106
 Boart Longyear–Booth 1415
 Epiroc–Booth 1401
 Kovai Drilling Applications–Booth 527
 Mitsubishi Materials USA Corp–Booth 1434
 REI Drilling, Inc–Booth 322
 Robit Inc–Booth 1901
 RockTech USA, Inc–Booth 1913
 Sandvik–Booth 1123
 Technogenia Lasercarb Oklahoma Inc–Booth 939

Drilling Contractors

Betts Drilling–Booth 1563
 Boart Longyear–Booth 1415
 Cascade Drilling L.P.–Booth 1927
 ConeTec Inc–Booth 614
 Cowin & Company/Raisebor–Booth 2045
 FKC-Lake Shore–Booth 1229
 FTE Drilling–Booth 2010
 Harris Exploration–Booth 1358
 Keller–Booth 1418
 KP Exploration–Booth 1437
 Layne Christensen Co–Booth 240
 Major Drilling–Booth 409
 Pacific West Environmental & Infrastructure–Booth 1763
 REI Drilling, Inc–Booth 322
 Ruen Drilling, Inc–Booth 1323
 Shaft Drillers International–Booth 908
 Stewart Brothers Drilling Co–Booth 1607
 Swick Drilling–Booth 2110
 Timberline Drilling, Inc–Booth 740
 Yellow Jacket Drilling Services–Booth 1237

Drilling Equipment

5DT (Fifth Dimension Technologies)–Booth 300
 Baroid Industrial Drilling Products–Booth 907
 Boart Longyear–Booth 1415
 Carlson Software–Booth 1015
 Caterpillar–Booth 1016
 Epiroc–Booth 1401
 ExcelSense Technologies–Booth 1746
 Geotech Environmental Equipment, Inc–Booth 1624
 HEICO Fastening Systems–Booth 733
 Herrenknecht Tunneling Systems–Booth 1219
 HEXAGON–Booth 1105
 J.H. Fletcher & Co–Booth 533

Komatsu–Booth 1539
 Kovai Drilling Applications–Booth 527
 Miner Elastomer–Booth 1739
 Mitsubishi Materials USA Corp–Booth 1434
 Premier Pressure Control–Booth 425
 RDO Equipment Company–Booth 1948
 REI Drilling, Inc–Booth 322
 Robit Inc–Booth 1901
 RockTech USA, Inc–Booth 1913
 Sandvik–Booth 1123
 Swick Drilling–Booth 2110
 Thyssen Mining Group of Companies–Booth 1709
 Vermeer Corp–Booth 1736

Drives - Belt, Chain, Fluid and Gear

Belt Conveyor Guarding–Booth 807
 Bosch Rexroth - Hägglunds Drives–Booth 1246
 Continental–Booth 817
 Dodge Industrial, Inc–Booth 836
 Flender Corporation–Booth 608
 Kraft Power Corp–Booth 2022
 Regal Rexnord–Booth 602
 Rulmeca Corporation–Booth 835
 Rulmeca Limited–Booth 837
 VDG (Van der Graaf)–Booth 707
 Voith Group–Booth 1240
 West River Conveyors–Booth 1916
 WesTech Engineering, LLC–Booth 900

Drives - Magnetic and Variable

ABB–Booth 1917
 Carroll Technologies Group–Booth 1332
 Joest Inc–Booth 929
 Kraft Power Corp–Booth 2022
 Voith Group–Booth 1240
 WEG–Booth 2116
 Winn-Marion Companies–Booth 1662

Dryers

Carrier Process Equipment Group (CPEG)–Booth 2008
 Eirich Machines, Inc–Booth 2017
 FEECO International, Inc–Booth 1259
 Hilliard Brake Systems–Booth 1239
 Joest Inc–Booth 929
 Louisville Dryer Company–Booth 811
 Westpro Machinery Inc–Booth 701

Dust and Fume Control Technology

ABC Ventilation Systems–Booth 1122
 Accutron Instruments Inc–Booth 138
 Alfa Laval–Booth 1849
 Anguil Environmental Systems, Inc–Booth 430
 ASGCO Complete Conveyor Solutions–Booth 731
 Benetech, Inc.–Booth 1025
 BreatheSafe - AireSafe International–Booth 2118
 EcoMister Evaporator–Booth 2038
 Englo, Inc–Booth 1328
 Flexco–Booth 1610
 GEO-Instruments–Booth 1416
 Herding Filtration LLC–Booth 540
 JBW Consulting Engineers–Booth 2228
 Jord International–Booth 100
 Micronics Engineered Filtration Group–Booth 2025
 Midwest Industrial Supply, Inc–Booth 1238
 Mine Rite Technologies–Booth 1753
 Open Loop Energy, Inc–Booth 2023
 Rocvent Inc–Booth 832
 Rust Automation & Controls Inc–Booth 637

PRODUCTS & SERVICES

RWI Enhanced Evaporation Services–Booth 938
Soilworks - Dust Control–Booth 2251
Southwest Irrigation LLC–Booth 101
Spendrup Fan Co–Booth 1006

Educational

5DT (Fifth Dimension Technologies)–Booth 300
AIMC–Booth 326
American Institute of Professional Geologists–Booth 1010
Canadian Institute of Mining, Metallurgy & Petroleum (CIM)–Booth 1214
Colorado School of Mines - Department of Mining Engineering–Booth 523
Costmine–Booth 1518
Flexco–Booth 1610
Global Mining Guidelines Group–Booth 2015
Instituto de Ingenieros de Minas del Peru (IIMP)–Booth 1547
Jenike & Johanson–Booth 935
Mackay School of Earth Sciences and Engineering–Booth 725
Mining & Metals - Information Sharing and Analysis Centre–Booth 2013
Missouri S&T–Booth 1244
Montana Technological University - School of Mines & Engineering–Booth 522
MOSIMTEC LLC–Booth 2249
National Stone, Sand & Gravel Association (NSSGA)–Booth 1838
New Mexico Institute of Mining & Technology–Booth 732
Penn State University–Booth 1359
South Dakota School of Mines–Booth 727
Titan Environmental–Booth 436
U.S. Geological Survey (USGS), Mineral Resources Program (MRP)–Booth 1235
University of Arizona Mining and Geological Engineering–Booth 616
University of Kentucky Department of Mining Engineering–Booth 1227
University of Utah, Mining Engineering Department–Booth 519
Virginia Tech Department of Mining & Minerals Engineering–Booth 619
WAAIME–Booth 3333
West Virginia Univ Dept of Mining Engineering–Booth 518
Women's Mining Coalition–Booth 802

Electric Motors and Generators

ABB–Booth 1917
Integrated Power Services–Booth 524
Kraft Power Corp–Booth 2022
Philadelphia Gear–Booth 2007
Rulmeca Corporation–Booth 835
VDG (Van der Graaf)–Booth 707
Voith Group–Booth 1240
WEG–Booth 2116

Electric Wire and Cable

AmerCable–Booth 1751
Bekaert–Booth 923
Marmon Industrial Energy & Infrastructure–Booth 505

Electrical Equipment and Supplies

Adria Power Systems–Booth 1360
Atlas Electric, Inc–Booth 227

CAB–Booth 1738
Carroll Technologies Group–Booth 1332
Coolon USA, Inc–Booth 2223
DEA Incorporated–Booth 1357
ExcelSense Technologies–Booth 1746
Gai-tronics / Austdac–Booth 1951
McCrometer, Inc–Booth 2108
Monico Monitoring, Inc–Booth 933
Phoenix Lighting–Booth 927
Rocvent Inc–Booth 832
Roxsyle Systems LLC–Booth 1932
Southern States LLC–Booth 2237
TPSX–Booth 1032
Vision X USA–Booth 338

Emissions Control

Anguil Environmental Systems, Inc.–Booth 430
Civil & Environmental Consultants, Inc (CEC)–Booth 841
Conifer Systems–Booth 305
Micronics Engineered Filtration Group–Booth 2025
Montrose Environmental–Booth 1762
Univar Solutions–Booth 1233
Winn-Marion Companies–Booth 1662

Environmental Control Equipment and Supplies

Abel Pumps–Booth 339
Accutron Instruments Inc–Booth 138
Anguil Environmental Systems, Inc.–Booth 430
Aquatech–Booth 516
BreatheSafe - AireSafe International–Booth 2118
Conifer Systems–Booth 305
Diemme Filtration SRL–Booth 400
EcoMister Evaporator–Booth 2038
Englo, Inc–Booth 1328
Flottweg Separation Technology, Inc–Booth 838
Foam Concepts LLC–Booth 1530
Howden Canada Inc–Booth 1923
Hydro Engineering Inc–Booth 333
IWT–Booth 1531
McCrometer, Inc–Booth 2108
Micronics Engineered Filtration Group–Booth 2025
Midwest Industrial Supply, Inc–Booth 1238
Open Loop Energy, Inc–Booth 2023
Presto Geosystems–Booth 941
QSP Packers, LLC–Booth 141
Radom Instruments–Booth 736
RWI Enhanced Evaporation Services–Booth 938
Soilworks - Dust Control–Booth 2251
SRS Crisafulli, Inc–Booth 1941
Titan Environmental–Booth 436
Valmet Flow Control–Booth 627
Vermeer Corp–Booth 1736
Watershed Geo–Booth 1617

Excavators

5DT (Fifth Dimension Technologies)–Booth 300
BEUMER Group–Booth 1945
Bradken–Booth 2039
Caterpillar–Booth 1016
ENTACT, LLC–Booth 529
Envirocon, Inc–Booth 813
ExcelSense Technologies–Booth 1746
HCC Group–Booth 1036
HEICO Fastening Systems–Booth 733
Immersive Technologies–Booth 1833
Komatsu–Booth 1539
Liebherr–Booth 1439
Pacific West Environmental & Infrastructure–Booth

1763
TAKRAF USA, Inc.–Booth 2149
Technogenia Lasercarb Oklahoma Inc–Booth 939
Weir–Booth 1517

Exploration Equipment and Services

Agapito Associates Inc–Booth 1023
Baroid Industrial Drilling Products–Booth 907
Boart Longyear–Booth 1415
Carlson Software–Booth 1015
Datamine Software–Booth 1823
Esri–Booth 1750
Independent Mining Consultants, Inc–Booth 1316
IPI Packers–Booth 739
Juniper Systems–Booth 2245
Layne Christensen Co–Booth 240
Mavrik–Booth 1609
Premier Pressure Control–Booth 425
REI Drilling, Inc–Booth 322
RockTech USA, Inc–Booth 1913
SPECTRO Analytical Instruments–Booth 1754
SRK Consulting (US), Inc–Booth 1423
Stewart Brothers Drilling Co–Booth 1607
Sunset Manufacturing–Booth 317
Thermo Fisher Scientific–Booth 917
THIESS Mining USA Inc–Booth 1701
Veracio–Booth 1553

Explosive Materials and Services

Austin Powder–Booth 2124
Dyno Nobel–Booth 1223
GMS Mine Repair & Maintenance–Booth 805
Harrison Western Construction Corporation, Inc–Booth 1734
HCC Group–Booth 1036
HEXAGON–Booth 1105
Maptek–Booth 901
Univar Solutions–Booth 1233

Fans and Blowers

ABC Ventilation Systems–Booth 1122
Adhesive Services Company–Booth 1560
EcoMister Evaporator–Booth 2038
Englo, Inc–Booth 1328
Hoffman Manufacturing, Inc–Booth 224
Howden Canada Inc–Booth 1923
Hyperflo–Booth 1761
Irwin Car and Equipment–Booth 1938
Mechanical & Ceramic Solutions, Inc–Booth 631
Mining Equipment, Ltd–Booth 816
New York Blower Company–Booth 440
Ram Alloys–Booth 1850
Regal Rexnord–Booth 602
Rocvent Inc–Booth 832
Spendrup Fan Co–Booth 1006
TLT-Turbo, Inc–Booth 717

Fasteners - Industrial

ASGCO Complete Conveyor Solutions–Booth 731
Copper State Bolt & Nut Co–Booth 1808
Dyson Corp–Booth 1459
HEICO Fastening Systems–Booth 733
HYTORC, Division of UNEX Corp–Booth 640
J.Lanfranco Fasteners Inc.–Booth 704
Kopper Chemical Industry Corp., Ltd.–Booth 1562
ME Elecmetal–Booth 1601
Miner Elastomer–Booth 1739
Ram Alloys–Booth 1850
Rema Tip Top–Booth 323



Valley Forge & Bolt Mfg Co-Booth 1722
Williams Form Engineering Corp.-Booth 1862

Feeder Breakers

Atlas Electric, Inc.-Booth 227
Carroll Technologies Group-Booth 1332
JADCO Manufacturing Inc-Booth 509
Komatsu-Booth 1539
McLanahan Corporation-Booth 1129

Feeders

Aumund Corporation-Booth 2006
Bradken-Booth 2039
Carrier Process Equipment Group (CPEG)-Booth 2008
Eriez-Booth 1117
General Kinematics-Booth 622
JADCO Manufacturing Inc-Booth 509
Jenike & Johanson-Booth 935
Joest Inc-Booth 929
Kamengo-Booth 937
Masaba Inc-Booth 1811
McLanahan Corporation-Booth 1129
ME Elecmetal-Booth 1601
MMD Mineral Sizing (America) Inc-Booth 1816
RAM Enterprise, Inc.-Booth 601
Rapat Corporation-Booth 706
REESCO-Booth 122
Structural Steel & Plate Fabrication-Booth 441
Superior Industries-Booth 1604
Syntron Material Handling-Booth 922
TAKRAF USA, Inc.-Booth 2149
TerraSource Global-Booth 1507
Virta Inc-Booth 2004

Filters, Filter Cloth and Accessories

ANDRITZ-Booth 1629
Bekaert-Booth 923
BreatheSafe - AireSafe International-Booth 2118
CANTY-Booth 2138
Diemme Filtration SRL-Booth 400
Hilliard Brake Systems-Booth 1239
Irwin Car and Equipment-Booth 1938
Ishigaki USA Ltd-Booth 2240
J. Rettenmaier USA LP-Booth 1647
Johnson Screens-Booth 402
Jord International-Booth 100
Metso-Booth 1001
Micronics Engineered Filtration Group-Booth 2025
Netafim USA-Booth 500
ORE-MAX-Booth 700
PHOENIX Process Equipment-Booth 924
Pocock Industrial, Inc-Booth 1333
Purolite, An Ecolab Company-Booth 1748
Roxia Inc-Booth 649
Roytec Global (Pty) Ltd-Booth 511
Sefar Inc-Booth 545
United Central Industrial Supply-Booth 823
Veolia Water Technologies-Booth 1600
WesTech Engineering, LLC-Booth 900

Fire Protection

Englo, Inc-Booth 1328
JT Thorpe Industrial, Inc.-Booth 423
MineARC Systems-Booth 123
Roxtec-Booth 537
Victaulic-Booth 1322

Flotation Machines and Equipment

Alia Instruments BV-Booth 2235
CANTY-Booth 2138
CiDRA Minerals Processing Inc-Booth 1432
Crimar Industrial-Booth 304
Eriez-Booth 1117
ExcelSense Technologies-Booth 1746
FLS-Booth 1205
Hawk Measurement-Booth 1636
Hayward Gordon Group-Booth 1335
HEXAGON-Booth 1105
Iracore/Irathane Systems Inc-Booth 1115
Jord International-Booth 100
Metso-Booth 1001
Molycop-Booth 845
Nalco Water, an Ecolab Company-Booth 306
Roytec Global (Pty) Ltd-Booth 511
SRS Crisafulli, Inc-Booth 1941
Structural Steel & Plate Fabrication-Booth 441
TAKRAF USA, Inc.-Booth 2149
Thermo Fisher Scientific-Booth 917
Townley Engineering & Manufacturing, Co Inc-Booth 735
Westpro Machinery Inc-Booth 701
Woodgrove Technologies Inc.-Booth 104

Furnaces - Industrial Process

BICO Inc-Booth 1622
CANTY-Booth 2138
Carrier Process Equipment Group (CPEG)-Booth 2008
Jord International-Booth 100
JT Thorpe Industrial, Inc.-Booth 423
Kiewit-Booth 829
Verder Scientific Inc-Booth 2234

Gears - Pullers, Reducers and Pinions

Dodge Industrial, Inc-Booth 836
Hayward Gordon Group-Booth 1335
Irwin Car and Equipment-Booth 1938
Kraft Power Corp-Booth 2022
Philadelphia Gear-Booth 2007
Ram Alloys-Booth 1850
Rulmeca Corporation-Booth 835
WEG-Booth 2116
West River Conveyors-Booth 1916
ZF Industrial Drives-Booth 1649

Geological-Physical-Technical Services and Equip

Agapito Associates Inc-Booth 1023
AGRU America, Inc-Booth 1619
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Canary Systems, Inc-Booth 1744
ConeTec Inc-Booth 614
Costmine-Booth 1518
Datamine Software-Booth 1823
Eagle Engineering-Booth 950
Esri-Booth 1750
GEOKON-Booth 1022
Geopyörä-Booth 1847
GHD-Booth 127
Hilfiker Retaining Walls-Booth 1505
hydroGEOPHYSICS Inc-Booth 1527
Independent Mining Consultants, Inc-Booth 1316
IPI Packers-Booth 739
Juniper Systems-Booth 2245
Layne Christensen Co-Booth 240
Maptek-Booth 901

Mine Vision Systems-Booth 2144
Mining Plus US-Booth 1860
Montgomery & Associates-Booth 1737
NewFields-Booth 1608
Presto Geosystems-Booth 941
RESPEC-Booth 1413
SKAPS Industries-Booth 633
Teledyne Construction-Booth 546
TopVu-Booth 140
Willowstick Technologies LLC-Booth 746

Government Agency - Entity

Colorado Division of Reclamation, Mining and Safety-Booth 204
Colorado State Land Board-Booth 551
Miner Elastomer-Booth 1739
National Institute for Occupational Safety & Health-Booth 1303
U.S. Geological Survey (USGS), Mineral Resources Program (MRP)-Booth 1235

Gravity Separators

Bunting-Booth 437
Eriez-Booth 1117
FGX SepTech Global LLC-Booth 401
Joest Inc-Booth 929
Mineral Technologies-Booth 1141
WesTech Engineering, LLC-Booth 900

Grinding Media and Liners

AGRU America, Inc-Booth 1619
Bradken-Booth 2039
Copper State Bolt & Nut Co-Booth 1808
FC Mill Liners, Inc-Booth 1903
Magotteaux-Booth 1559
ME Elecmetal-Booth 1601
Metso-Booth 1001
Molycop-Booth 845
Polycorp Ltd-Booth 1846
SKAPS Industries-Booth 633
SOLMAX-Booth 1012
Tecera International Co, Ltd-Booth 504
TOYO GRINDING BALL CO.,LTD.-Booth 2106
Univar Solutions-Booth 1233
Verder Scientific Inc-Booth 2234

Grinding Mills

Alia Instruments BV-Booth 2235
Belt Conveyor Guarding-Booth 807
BICO Inc-Booth 1622
Bradken-Booth 2039
CiDRA Minerals Processing Inc-Booth 1432
Copper State Bolt & Nut Co-Booth 1808
Disa Technologies, Inc-Booth 503
Eirich Machines, Inc-Booth 2017
FC Mill Liners, Inc-Booth 1903
Flender Corporation-Booth 608
FLS-Booth 1205
General Kinematics-Booth 622
HEICO Fastening Systems-Booth 733
Hilliard Brake Systems-Booth 1239
Koeppern Group-Booth 934
ME Elecmetal-Booth 1601
Metso-Booth 1001
Mineral Technologies-Booth 1141
TerraSource Global-Booth 1507
UCC Environmental-Booth 2000
Verder Scientific Inc-Booth 2234
Weir-Booth 1517

PRODUCTS & SERVICES

Westpro Machinery Inc-Booth 701

Grizzlies - Feeding, Moving and Stationary

Bradken-Booth 2039
Carrier Process Equipment Group (CPEG)-Booth 2008
Haver & Boecker Niagara-Booth 2141
Joest Inc-Booth 929
Masaba Inc-Booth 1811
Rapat Corporation-Booth 706
Structural Steel & Plate Fabrication-Booth 441
Superior Industries-Booth 1604
TerraSource Global-Booth 1507

Ground Freezing

Thyssen Mining Group of Companies-Booth 1709

Grouting Services, Equipment and Materials

Adhesive Services Company-Booth 1560
Aerix Industries-Booth 1623
Avanti International-Booth 1718
Bridgestone Americas Tire Operations-Booth 517
ChemGrout, Inc.-Booth 1341
Foam Concepts LLC-Booth 1530
GMS Mine Repair & Maintenance-Booth 805
Harrison Western Construction Corporation, Inc.-Booth 1734
IPI Packers-Booth 739
Kalenborn Abresist Corporation-Booth 1639
Keller-Booth 1418
Layne Christensen Co-Booth 240
Master Builders Solutions-Booth 1313
Penndrill-Booth 2231
Premier Pressure Control-Booth 425
Putzmeister Shotcrete Technology-Booth 1640
QSP Packers, LLC-Booth 141
Shaft Drillers International-Booth 908
Simem Underground Solutions, Inc.-Booth 1719
Strata Products Worldwide, LLC-Booth 1514
Thyssen Mining Group of Companies-Booth 1709
WSP-Booth 1019

HealthCare

BreatheSafe - AireSafe International-Booth 2118

Heavy Media Recovery Units

Eriez-Booth 1117

Hoists - Controls and Accessories

Atlas Electric, Inc.-Booth 227
Bekaert-Booth 923
Carroll Technologies Group-Booth 1332
FKC-Lake Shore-Booth 1229
Hepburn Engineering Inc-Booth 1801
Matrix Design Group-Booth 745
MILLER-Booth 1928
Timberland Equipment Limited-Booth 1139

Hoses - Valves and Fittings

Continental-Booth 817
Copper State Bolt & Nut Co-Booth 1808
Hose Solutions Inc-Booth 1848
Kopper Chemical Industry Corp., Ltd.-Booth 1562
Netafim USA-Booth 500
ORE-MAX-Booth 700
Salem-Republic Rubber Co-Booth 1715
Southwest Irrigation LLC-Booth 101
Tecera International Co, Ltd-Booth 504
Tricon Wear Solutions-Booth 1440

United Central Industrial Supply-Booth 823

Hydraulic System Components

Bosch Rexroth - Hågglunds Drives-Booth 1246
Continental-Booth 817
Hayward Gordon Group-Booth 1335
Hepburn Engineering Inc-Booth 1801
Hoffman Manufacturing, Inc-Booth 224
JENNMAR-Booth 1007
Johnson Industries Ltd-Booth 1745
Kraft Power Corp-Booth 2022
Open Loop Energy, Inc-Booth 2023

Inflatable and Mechanical Packers

IPI Packers-Booth 739
JENNMAR-Booth 1007
QSP Packers, LLC-Booth 141

Information Technology Products

6Harmonics-Booth 109
ASI Mining-Booth 1526
Bridgestone Americas Tire Operations-Booth 517
Canary Systems, Inc-Booth 1744
COGEP Maintenance Software-Booth 1028
Coolon USA, Inc-Booth 2223
Costmine-Booth 1518
Datamine Software-Booth 1823
Eclipse Mining Technologies-Booth 1653
Emerson-Booth 1031
Esri-Booth 1750
Frontier Precision Geospatial/Unmanned-Booth 2001
Honeywell-Booth 1805
Immersive Technologies-Booth 1833
Information Alignment Pty Ltd-Booth 1637
Juniper Systems-Booth 2245
KETOS, Inc.-Booth 2238
LoopX-Booth 445
Matrix Design Group-Booth 745
Monico Monitoring, Inc-Booth 933
MOSIMTEC LLC-Booth 2249
MST Global-Booth 1538
Orica-Booth 1711
RDO Equipment Company-Booth 1948
RESPEC-Booth 1413
Sofvie Inc-Booth 1261
Strayos-Booth 136
TopVu-Booth 140
Weir-Booth 1517
Worldsensing SL-Booth 1433

Insurance

Skyward Specialty Insurance-Booth 1606

Ion Exchange Equipment and Resins

Aquatech-Booth 516
Hexion Inc-Booth 126
Jacobi Group-Booth 606
Pocock Industrial, Inc-Booth 1333
Purolute, An Ecolab Company-Booth 1748
Roytec Global (Pty) Ltd-Booth 511
Univar Solutions-Booth 1233
Veolia Water Technologies-Booth 1600

Kilns

Adhesive Services Company-Booth 1560
CANTY-Booth 2138
Carrier Process Equipment Group (CPEG)-Booth 2008

FEECO International, Inc-Booth 1259

Jord International-Booth 100
Lechler, Inc-Booth 515
Louisville Dryer Company-Booth 811
Metso-Booth 1001
Verder Scientific Inc-Booth 2234

Laboratory and Scientific Services

ACZ Laboratories Inc-Booth 1422
Advanced Terra Testing Inc-Booth 1540
Agapito Associates Inc-Booth 1023
Aquatech-Booth 516
Bettersize Inc.-Booth 1651
BGC Engineering-Booth 1946
Blue Coast Research-Booth 636
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Cove Environmental-Booth 107
Datamine Software-Booth 1823
Disa Technologies, Inc-Booth 503
Dyno Nobel-Booth 1223
easyXAFS, LLC-Booth 1263
EMSL Analytical, Inc-Booth 544
Geo-Logic Associates-Booth 1840
Geopyröra-Booth 1847
GHD-Booth 127
Hazen Research-Booth 203
hydroGEOPHYSICS Inc-Booth 1527
Jenike & Johanson-Booth 935
Knight Piésold and Co-Booth 1314
Metcom Technologies Inc-Booth 1705
Micronics Engineered Filtration Group-Booth 2025
Mineral Technologies-Booth 1141
Montrose Environmental-Booth 1762
NewFields-Booth 1608
Paterson & Cooke USA, Ltd-Booth 1325
PHOENIX Process Equipment-Booth 924
Pocock Industrial, Inc-Booth 1333
RESPEC-Booth 1413
Roytec Global (Pty) Ltd-Booth 511
Saskatchewan Research Council-Booth 1034
SGS Minerals Services-Booth 800
Skyline Assayers & Laboratories-Booth 502
The Mineral Lab, Inc-Booth 925
Thermo Fisher Scientific-Booth 917
U.S. Geological Survey (USGS), Mineral Resources Program (MRP)-Booth 1235
Verder Scientific Inc-Booth 2234
Western Environmental Testing Lab (WETLAB)-Booth 915
WSP-Booth 1019

Laboratory Equipment and Supplies

Bettersize Inc.-Booth 1651
BICO Inc-Booth 1622
CANTY-Booth 2138
Datamine Software-Booth 1823
Deister Concentrator-Booth 1858
easyXAFS, LLC-Booth 1263
Geopyröra-Booth 1847
Haver & Boecker Niagara-Booth 2141
Malvern Panalytical-Booth 809
Radom Instruments-Booth 736
SPECTRO Analytical Instruments-Booth 1754
Sunset Manufacturing-Booth 317
Thermo Fisher Scientific-Booth 917
Veracio-Booth 1553
Verder Scientific Inc-Booth 2234



Leaching Sprinklers

Netafim USA-Booth 500
ORE-MAX-Booth 700
Southwest Irrigation LLC-Booth 101

Lighting Systems and Lamps

APS Lighting & Safety-Booth 2227
Carroll Technologies Group-Booth 1332
Coolon USA, Inc-Booth 2223
Gai-tronics / Austdac-Booth 1951
MineARC Systems-Booth 123
Nordic Lights-Booth 2040
Phoenix Lighting-Booth 927
PROVIX-Booth 1338
United Central Industrial Supply-Booth 823
Vision X USA-Booth 338
x-Glo North America Inc-Booth 1336

Linings and Claddings

AGRU America, Inc-Booth 1619
American-Biltrite-Booth 241
Blair Rubber Company-Booth 324
Bradken-Booth 2039
CETCO-Booth 1511
Copper State Bolt & Nut Co-Booth 1808
Custom Linings, Inc-Booth 501
Fisher Co-Booth 2012
HUNAN KINGCERA ENGINEERING CO.,LTD-Booth 2049
hydroGEOPHYSICS Inc-Booth 1527
JADCO Manufacturing Inc-Booth 509
JT Thorpe Industrial, Inc.-Booth 423
Kalenborn Abresist Corporation-Booth 1639
ME Elecmetal-Booth 1601
Mechanical & Ceramic Solutions, Inc-Booth 631
MOGAS Industries, Inc-Booth 536
Norseman Structures-Booth 1030
Polycorp Ltd-Booth 1846
Presto Geosystems-Booth 941
RAM Enterprise, Inc-Booth 601
Rema Tip Top-Booth 323
RubberSource Inc-Booth 1456
SAI America Corp-Booth 103
Salem-Republic Rubber Co-Booth 1715
SKAPS Industries-Booth 633
SOLMAX-Booth 1012
Tecera International Co, Ltd-Booth 504
Townley Engineering & Manufacturing, Co Inc-Booth 735
Tricon Wear Solutions-Booth 1440

Liquid Level Indicators and Switches

Endress+Hauser-Booth 531
Hawk Measurement-Booth 1636
TechStar-Booth 1661
WesTech Engineering, LLC-Booth 900
Winn-Marion Companies-Booth 1662

Loaders

5DT (Fifth Dimension Technologies)-Booth 300
Caterpillar-Booth 1016
Driver Industrial Safety-Booth 406
Envirocon, Inc-Booth 813
Epiroc-Booth 1401
Immersive Technologies-Booth 1833
Komatsu-Booth 1539
Sandvik-Booth 1123

Longwall Mining Equipment

5DT (Fifth Dimension Technologies)-Booth 300
CAB-Booth 1738
Gai-tronics / Austdac-Booth 1951
HUESKER Inc-Booth 1714
J.H. Fletcher & Co-Booth 533
JENNMAR-Booth 1007
Komatsu-Booth 1539
Rapat Corporation-Booth 706
rm wilson co-Booth 1910
Robit Inc-Booth 1901
United Central Industrial Supply-Booth 823
Voith Group-Booth 1240

Lubricants and Equipment

A.W. Chesterton Company-Booth 2122
FUCHS LUBRICANTS CO-Booth 239
MAPEI Corporation-Booth 1426
Midwest Industrial Supply, Inc-Booth 1238
Univar Solutions-Booth 1233

Magnetic Separators

Bunting-Booth 437
Eriez-Booth 1117
Mineral Technologies-Booth 1141
Roytec Global (Pty) Ltd-Booth 511

Maintenance Equipment and Supplies

Atlas Electric, Inc-Booth 227
Belt Conveyor Guarding-Booth 807
Bradken-Booth 2039
BreatheSafe - AireSafe International-Booth 2118
Bridgestone Americas Tire Operations-Booth 517
Brookville Equipment Corp-Booth 1545
CAB-Booth 1738
COGEP Maintenance Software-Booth 1028
Copper State Bolt & Nut Co-Booth 1808
Driver Industrial Safety-Booth 406
Flyability Inc-Booth 638
FUCHS LUBRICANTS CO-Booth 239
Hilliard Brake Systems-Booth 1239
Hydro Engineering Inc-Booth 333
HydroTech Mining-Booth 311
HYTORC, Division of UNEX Corp-Booth 640
InduMar Products, Inc.-Booth 726
Mine Rite Technologies-Booth 1753
Mudwizard-Booth 909
PROVIX-Booth 1338
REESCO-Booth 122
Rema Tip Top-Booth 323
Southwest Irrigation LLC-Booth 101
Timberland Equipment Limited-Booth 1139
TPSX-Booth 1032
ViewTech Borescopes-Booth 207
Vision X USA-Booth 338

Maintenance Services

Adhesive Services Company-Booth 1560
Bosch Rexroth - Hägglunds Drives-Booth 1246
Bridgestone Americas Tire Operations-Booth 517
Brookville Equipment Corp-Booth 1545
CCC Group, Inc-Booth 1851
COGEP Maintenance Software-Booth 1028
Custom Linings, Inc-Booth 501
DEA Incorporated-Booth 1357
FEECO International, Inc-Booth 1259
FKC-Lake Shore-Booth 1229
Flender Corporation-Booth 608
GMS Mine Repair & Maintenance-Booth 805

Hatch-Booth 1340
HydroTech Mining-Booth 311
Integrated Power Services-Booth 524
JT Thorpe Industrial, Inc.-Booth 423
Kalenborn Abresist Corporation-Booth 1639
Liebherr-Booth 1439
Matrix Service Company-Booth 1844
Mechanical & Ceramic Solutions, Inc-Booth 631
Metso-Booth 1001
Micronics Engineered Filtration Group-Booth 2025
MineARC Systems-Booth 123
MOGAS Industries, Inc-Booth 536
Normet Americas, Inc-Booth 1845
Northwest Towers-Booth 2123
Philadelphia Gear-Booth 2007
RDO Equipment Company-Booth 1948
Rema Tip Top-Booth 323
Roytec Global (Pty) Ltd-Booth 511
Structural Steel & Plate Fabrication-Booth 441
Sundt Construction-Booth 1817
THIESS Mining USA Inc-Booth 1701
TPSX-Booth 1032

Measurement and Monitoring Systems

ABB-Booth 1917
Accutron Instruments Inc-Booth 138
airth.io-Booth 2009
Alia Instruments BV-Booth 2235
Bettersize Inc.-Booth 1651
Bridgestone Americas Tire Operations-Booth 517
Call & Nicholas Inc. - Call & Nicholas Instruments-Booth 1813
Canary Systems, Inc-Booth 1744
CANTY-Booth 2138
Carlson Software-Booth 1015
CiDRA Minerals Processing Inc-Booth 1432
COGEP Maintenance Software-Booth 1028
ConeTec Inc-Booth 614
Continental-Booth 817
Emerson-Booth 1031
Endress+Hauser-Booth 531
Flexco-Booth 1610
Frontier Precision Geospatial/Unmanned-Booth 2001
Gai-tronics / Austdac-Booth 1951
GEO-Instruments-Booth 1416
GEOKON-Booth 1022
Geotech Environmental Equipment, Inc-Booth 1624
Haver & Boecker Niagara-Booth 2141
Hawk Measurement-Booth 1636
HEXAGON-Booth 1105
Honeywell-Booth 1805
indurad-Booth 645
Information Alignment Pty Ltd-Booth 1637
IWT-Booth 1531
Maestro Digital Mine-Booth 325
Malvern Panalytical-Booth 809
Maptek-Booth 901
McCrometer, Inc-Booth 2108
ME Elecmetal-Booth 1601
Mine Vision Systems-Booth 2144
MOGAS Industries, Inc-Booth 536
Monico Monitoring, Inc-Booth 933
Montrose Environmental-Booth 1762
Morningstar Corporation-Booth 550
Orica-Booth 1711
Process Technology, Inc-Booth 512
Radom Instruments-Booth 736

PRODUCTS & SERVICES

RESPEC-Booth 1413
Saskatchewan Research Council-Booth 1034
Scantech International Pty Ltd-Booth 1626
Strata Products Worldwide, LLC-Booth 1514
Sympatec-Booth 1912
TechStar-Booth 1661
Tek84, Inc.-Booth 2024
Thermo Fisher Scientific-Booth 917
TopVu-Booth 140
TPSX-Booth 1032
Veracio-Booth 1553
ViewTech Borescopes-Booth 207
Weir-Booth 1517
Willowstick Technologies LLC-Booth 746
Wingfield Scale & Measure-Booth 605
Winn-Marion Companies-Booth 1662
Worldsensing SL-Booth 1433
XRSciences-Booth 225
Xylem Inc-Booth 1723

Meters and Gauges

Alia Instruments BV-Booth 2235
Canary Systems, Inc-Booth 1744
CiDRA Minerals Processing Inc-Booth 1432
Endress+Hauser-Booth 531
GEOKON-Booth 1022
Hawk Measurement-Booth 1636
McCrometer, Inc-Booth 2108
Netafim USA-Booth 500
ORE-MAX-Booth 700
Southwest Irrigation LLC-Booth 101
TechStar-Booth 1661
Thermo Fisher Scientific-Booth 917
United Central Industrial Supply-Booth 823
Valley Forge & Bolt Mfg Co-Booth 1722
Winn-Marion Companies-Booth 1662

Mine Evaluations - Surface and Underground

Agapito Associates Inc-Booth 1023
airth.io-Booth 2009
AMPS-Booth 2145
Bridgestone Americas Tire Operations-Booth 517
Costmine-Booth 1518
Dassault Systèmes-Booth 2146
Dyno Nobel-Booth 1223
Exyn Technologies-Booth 132
Flyability Inc-Booth 638
Geo-Logic Associates-Booth 1840
Geosyntec Consultants-Booth 413
H2E Inc-Booth 1435
Hatch-Booth 1340
Immersive Technologies-Booth 1833
Independent Mining Consultants, Inc-Booth 1316
Itasca International, Inc-Booth 1126
Keystone Valuations, LLC-Booth 1561
Midwest Industrial Supply, Inc-Booth 1238
Mining Plus US-Booth 1860
MOSIMTEC LLC-Booth 2249
NewFields-Booth 1608
RESPEC-Booth 1413
Samuel Engineering, Inc-Booth 1041
SGS Minerals Services-Booth 800
Teledyne Construction-Booth 546
Tetra Tech-Booth 1327
TPSX-Booth 1032
Willowstick Technologies LLC-Booth 746
WSP-Booth 1019

Mine Operators

Acrow Corporation of America (Acrow Bridge)-Booth 1724
AECOM-Booth 1317
ANDRITZ-Booth 1629
Arch Resources, Inc-Booth 2131
ASARCO-Booth 1755
ByrneCut Group-Booth 737
Dassault Systèmes-Booth 2146
Driver Industrial Safety-Booth 406
Eagle Mine-Booth 1356
Esri-Booth 1750
Freeport-McMoRan Inc-Booth 722
Guideline Geo Americas - Reutech-Booth 1635
Immersive Technologies-Booth 1833
Independent Mining Consultants, Inc-Booth 1316
InduMar Products, Inc.-Booth 726
Kiewit-Booth 829
LoopX-Booth 445
Mine Vision Systems-Booth 2144
MineARC Systems-Booth 123
Morgan Companies-Booth 2229
MP Materials-Booth 1037
MST Global-Booth 1538
Nevada Gold Mines-Booth 716
Northern Star Resources-Booth 1658
NorthStar-Booth 850
Open Loop Energy, Inc-Booth 2023
Propeller-Booth 238
Schlam-Booth 1558
South32-Booth 1361
Sundt Construction-Booth 1817
Teledyne Construction-Booth 546
Tetra Tech-Booth 1327
THIESS Mining USA Inc-Booth 1701

Mineral Prospecting

Agapito Associates Inc-Booth 1023
AIMC-Booth 326
CiDRA Minerals Processing Inc-Booth 1432
Colorado State Land Board-Booth 551
Dassault Systèmes-Booth 2146
Esri-Booth 1750
FGX SepTech Global LLC-Booth 401
Freeport-McMoRan Inc-Booth 722
South32-Booth 1361
Stewart Brothers Drilling Co-Booth 1607
Teledyne Construction-Booth 546

Mining Contractors

Acrow Corporation of America (Acrow Bridge)-Booth 1724
AECOM-Booth 1317
Ames Construction-Booth 2133
Boart Longyear-Booth 1415
Cementation USA Inc-Booth 422
Cowin & Company/Raisebor-Booth 2045
Custom Linings, Inc-Booth 501
Dassault Systèmes-Booth 2146
Driver Industrial Safety-Booth 406
GMS Mine Repair & Maintenance-Booth 805
Harrison Western Construction Corporation, Inc-Booth 1734
Hatch-Booth 1340
HCC Group-Booth 1036
Hoffman Manufacturing, Inc-Booth 224
Iko Coletanche USA Inc-Booth 222
Independent Mining Consultants, Inc-Booth 1316
InduMar Products, Inc.-Booth 726
JHL Constructors-Booth 439

JT Thorpe Industrial, Inc.-Booth 423
Just Refiners USA, Inc-Booth 1648
Kiewit-Booth 829
Liebherr-Booth 1439
Matrix Service Company-Booth 1844
MES Mining-Booth 617
Morgan Companies-Booth 2229
NorthStar-Booth 850
Odin Construction Solutions-Booth 417
Phillips & Jordan, Inc-Booth 1438
Phoenix Industrial-Booth 1339
Propeller-Booth 238
Rango Inc-Booth 1907
REESCO-Booth 122
Stewart Brothers Drilling Co-Booth 1607
Sundt Construction-Booth 1817
Sync Mine Safety-Booth 729
Teledyne Construction-Booth 546
THIESS Mining USA Inc-Booth 1701
Thyssen Mining Group of Companies-Booth 1709
TIMINING-Booth 1310
Turner Mining Group-Booth 728
Watershed Geo-Booth 1617
Willowstick Technologies LLC-Booth 746

Mining Gifts

Giddy Up Inc.-Booth 748
Sunset Manufacturing-Booth 317

Oxygen - Gas Equipment and Suppliers

Accutron Instruments Inc-Booth 138
MineARC Systems-Booth 123

Parts - Mining Machinery

Atlas Electric, Inc-Booth 227
Bradken-Booth 2039
Brookville Equipment Corp-Booth 1545
Brunel Corp-Booth 906
Caterpillar-Booth 1016
Copper State Bolt & Nut Co-Booth 1808
Crimar Industrial-Booth 304
Epiroc-Booth 1401
FEECO International, Inc-Booth 1259
Flexco-Booth 1610
HEICO Fastening Systems-Booth 733
InduMar Products, Inc.-Booth 726
Irwin Car and Equipment-Booth 1938
Ishigaki USA Ltd-Booth 2240
Komatsu-Booth 1539
Liebherr-Booth 1439
ME Elecmetal-Booth 1601
Metso-Booth 1001
Miner Elastomer-Booth 1739
Normet Americas, Inc-Booth 1845
Philadelphia Gear-Booth 2007
Phoenix Lighting-Booth 927
RAM Enterprise, Inc-Booth 601
Robit Inc-Booth 1901
RockTech USA, Inc-Booth 1913
Roxsyle Systems LLC-Booth 1932
Rulmeca Limited-Booth 837
Shijiazhuang Minerals Equipment Co Ltd-Booth 834
TAKRAF USA, Inc.-Booth 2149
Technogenia Lasercarb Oklahoma Inc-Booth 939
TerraSource Global-Booth 1507
UCC Environmental-Booth 2000
Valley Forge & Bolt Mfg Co-Booth 1722
Vision X USA-Booth 338



West River Conveyors-Booth 1916
WireCo-Booth 628
ZF Industrial Drives-Booth 1649

Pipes

AGRU America, Inc-Booth 1619
AIL Mining-Booth 1137
Bradken-Booth 2039
Contech Engineered Solutions-Booth 825
Crimar Industrial-Booth 304
Custom Linings, Inc-Booth 501
Foam Concepts LLC-Booth 1530
Hose Solutions Inc-Booth 1848
InduMar Products, Inc.-Booth 726
Iracore/Irathane Systems Inc-Booth 1115
ISCO Industries, Inc-Booth 1707
JADCO Manufacturing Inc-Booth 509
Kalenborn Abresist Corporation-Booth 1639
Kopper Chemical Industry Corp.,Ltd.-Booth 1562
Mechanical & Ceramic Solutions, Inc-Booth 631
Naylor Pipe Company-Booth 1501
Netafim USA-Booth 500
ORE-MAX-Booth 700
Pexgol-Booth 139
Rain for Rent-Booth 1513
RAM Enterprise, Inc-Booth 601
Southwest Irrigation LLC-Booth 101
Structural Steel & Plate Fabrication-Booth 441
Townley Engineering & Manufacturing, Co Inc-Booth 735
Victaulic-Booth 1322

Pollution Control Equipment

Anguil Environmental Systems, Inc.-Booth 430
Aquatech-Booth 516
BICO Inc-Booth 1622
Conifer Systems-Booth 305
Crimar Industrial-Booth 304
EcoMister Evaporator-Booth 2038
Flottweg Separation Technology, Inc-Booth 838
Hydro Engineering Inc-Booth 333
Megator-Pumps 2000 America-Booth 1330
Micronics Engineered Filtration Group-Booth 2025
New York Blower Company-Booth 440
Presto Geosystems-Booth 941
Radom Instruments-Booth 736
RWI Enhanced Evaporation Services-Booth 938
Soilworks - Dust Control-Booth 2251
UCC Environmental-Booth 2000

Power Transmission Equipment

Adria Power Systems-Booth 1360
Becker Mining Systems-Booth 2114
Bosch Rexroth - Hagglunds Drives-Booth 1246
Brunel Corp-Booth 906
DEA Incorporated-Booth 1357
Flender Corporation-Booth 608
Kraft Power Corp-Booth 2022
Philadelphia Gear-Booth 2007
Regal Rexnord-Booth 602
Southern States LLC-Booth 2237
SYTCO Engineers-Booth 651
TPSX-Booth 1032
Voith Group-Booth 1240
ZF Industrial Drives-Booth 1649

Process Controls and Instruments

Accutron Instruments Inc-Booth 138
Alia Instruments BV-Booth 2235

ANDRITZ-Booth 1629
CiDRA Minerals Processing Inc-Booth 1432
DEA Incorporated-Booth 1357
Emerson-Booth 1031
Endress+Hauser-Booth 531
Gai-tronics / Austdac-Booth 1951
Geopyra-Booth 1847
Hawk Measurement-Booth 1636
Honeywell-Booth 1805
indurad-Booth 645
Malvern Panalytical-Booth 809
McCrometer, Inc-Booth 2108
Northwest Instruments and Controls-Booth 549
PROVIX-Booth 1338
Radom Instruments-Booth 736
RDO Equipment Company-Booth 1948
Rocvent Inc-Booth 832
Scantech International Pty Ltd-Booth 1626
Sympatec-Booth 1912
TechStar-Booth 1661
Thermo Fisher Scientific-Booth 917
TPSX-Booth 1032
VEGA Americas, Inc-Booth 1832
Verder Scientific Inc-Booth 2234
ViewTech Borescopes-Booth 207
Woodgrove Technologies Inc.-Booth 104
XRSciences-Booth 225

Professional Society or Association

AIMC-Booth 326
American Exploration & Mining Association-Booth 723
American Institute of Professional Geologists-Booth 1010
American Rock Mechanics Association (ARMA)-Booth 626
Canadian Institute of Mining, Metallurgy & Petroleum (CIM)-Booth 1214
Global Mining Guidelines Group-Booth 2015
Mining & Metallurgical Society of America (MMSA)-Booth 1716
Mining & Metals - Information Sharing and Analysis Centre-Booth 2013
National Stone, Sand & Gravel Association (NSSGA)-Booth 1838
Women's Mining Coalition-Booth 802

Publishers

Canadian Institute of Mining, Metallurgy & Petroleum (CIM)-Booth 1214
Canadian Mining Journal-Booth 1424
Costmine-Booth 1518
Global Mining Review-Booth 1524
International Mining-Booth 1939
Mining Magazine-Booth 1645
Mining Media International-Booth 1503
Mining People Magazine-Booth 125
SEMCO Publishing-Booth 904
The Mining Record-Booth 1215

Pumps

A.W. Chesterton Company-Booth 2122
Abel Pumps-Booth 339
Avanti International-Booth 1718
Becker Mining Systems-Booth 2114
Belt Conveyor Guarding-Booth 807
Boart Longyear-Booth 1415
Carroll Technologies Group-Booth 1332

ChemGrout, Inc-Booth 1341
Cornell Pump Co-Booth 1706
Diemme Filtration SRL-Booth 400
Dragflow USA-Booth 911
FLS-Booth 1205
Geotech Environmental Equipment, Inc-Booth 1624
GPM Inc-Booth 128
Hayward Gordon Group-Booth 1335
HEICO Fastening Systems-Booth 733
Honeywell-Booth 1805
HydroTech Mining-Booth 311
IMO Pump-Booth 539
InduMar Products, Inc.-Booth 726
Integrated Power Services-Booth 524
Iracore/Irathane Systems Inc-Booth 1115
ISCO Industries, Inc-Booth 1707
JENNMAR-Booth 1007
Kopper Chemical Industry Corp.,Ltd.-Booth 1562
Layne Christensen Co-Booth 240
Matec America Inc-Booth 1757
Megator-Pumps 2000 America-Booth 1330
Metso-Booth 1001
Miller Sales & Engineering Inc-Booth 913
Mudwizard-Booth 909
NETZSCH Pumps USA-Booth 1731
Pennndrill-Booth 2231
Premier Pressure Control-Booth 425
PumpEng-Booth 1835
Putzmeister Shotcrete Technology-Booth 1640
Rain for Rent-Booth 1513
Ram Alloys-Booth 1850
Salem-Republic Rubber Co-Booth 1715
Schurco Slurry-Booth 730
Shijiazhuang Minerals Equipment Co Ltd-Booth 834
Simem Underground Solutions, Inc-Booth 1719
SRS Crisafulli, Inc-Booth 1941
Sulzer-Booth 2027
Technogenia Lasercarb Oklahoma Inc-Booth 939
Townley Engineering & Manufacturing, Co Inc-Booth 735
Tsurumi Pump-Booth 1523
United Central Industrial Supply-Booth 823
Valmet Flow Control-Booth 627
Weir-Booth 1517
Xylem Inc-Booth 1723

Pyrometallurgical Processing

Hazen Research-Booth 203
Heath & Sherwood (1964) Limited-Booth 209
Kiewit-Booth 829
Kopper Chemical Industry Corp.,Ltd.-Booth 1562

Quality Improvement

Betterson Inc.-Booth 1651
CANTY-Booth 2138
Carlson Software-Booth 1015
Flottweg Separation Technology, Inc-Booth 838
Independent Mining Consultants, Inc-Booth 1316
MineARC Systems-Booth 123
MOGAS Industries, Inc-Booth 536
Puro-lite, An Ecolab Company-Booth 1748
Samuel Engineering, Inc-Booth 1041
SGS Minerals Services-Booth 800
Somerset International-Booth 403
TopVu-Booth 140
Verder Scientific Inc-Booth 2234
ViewTech Borescopes-Booth 207

PRODUCTS & SERVICES

Rail Systems and Supplies

Becker Mining Systems–Booth 2114
Blair Rubber Company–Booth 324
Caterpillar–Booth 1016
Coolon USA, Inc–Booth 2223
Hilfiker Retaining Walls–Booth 1505
JENNMAR–Booth 1007
Miner Elastomer–Booth 1739
Polycorp Ltd–Booth 1846
Presto Geosystems–Booth 941
PROVIX–Booth 1338
Rail-Veyor Technologies Global Inc–Booth 1625
Wingfield Scale & Measure–Booth 605

Reagents - Chemical and Flocculants

Allonnia–Booth 200
BCS–Booth 525
Brenntag–Booth 1458
Chevron Phillips Chemical–Booth 1114
Clariant Corporation–Booth 1644
Coyne Chemical–Booth 223
Draslovka Mining Process Solutions–Booth 449
Falco Technologies Inc–Booth 646
Fischerchem Pte Ltd–Booth 632
Graymont–Booth 411
Hexion Inc–Booth 126
Kopper Chemical Industry Corp., Ltd.–Booth 1562
Nalco Water, an Ecolab Company–Booth 306
Neo Solutions Inc–Booth 506
Pocock Industrial, Inc–Booth 1333
Quadra Chemicals Inc–Booth 206
Roytec Global (Pty) Ltd–Booth 511
Syensqo–Booth 1412
Tessenderlo Kerley, Inc – moleko–Booth 419
UCC Environmental–Booth 2000
Univar Solutions–Booth 1233
Water Specialists Environmental Technologies–Booth 2104
Westpro Machinery Inc–Booth 701

Reclamation Equipment and Services

Abel Pumps–Booth 339
Acrow Corporation of America (Acrow Bridge)–Booth 1724
Aerix Industries–Booth 1623
AGRU America, Inc–Booth 1619
Alfa Laval–Booth 1849
Carlson Software–Booth 1015
Civil & Environmental Consultants, Inc (CEC)–Booth 841
Costmine–Booth 1518
Custom Linings, Inc–Booth 501
DeWind One Pass Trenching LLC–Booth 2102
EcoMister Evaporator–Booth 2038
ENTACT, LLC–Booth 529
Envirocon, Inc–Booth 813
Foam Concepts LLC–Booth 1530
Forgen–Booth 703
Harrison Western Construction Corporation, Inc–Booth 1734
Iko Coletanche USA Inc–Booth 222
Maccaferri, Inc–Booth 1537
Maptek–Booth 901
Mine Rite Technologies–Booth 1753
Odin Construction Solutions–Booth 417
Pacific West Environmental & Infrastructure–Booth 1763
Presto Geosystems–Booth 941
Rocky Mountain Bio Products - A Division of Bow-

man Construction Supply–Booth 1760
RWI Enhanced Evaporation Services–Booth 938
SKAPS Industries–Booth 633
SRK Consulting (US), Inc–Booth 1423
SRS Crisafulli, Inc–Booth 1941
Sundt Construction–Booth 1817
THIESS Mining USA Inc–Booth 1701
Veolia Water Technologies–Booth 1600

Recruiting/Staffing

AIMC–Booth 326
Freeport-McMoRan Inc–Booth 722

Reduction Technologies - Iron Ore, Steel, Mineral

Eirich Machines, Inc–Booth 2017
Kalenborn Abresist Corporation–Booth 1639
Kiewit–Booth 829
Rapat Corporation–Booth 706
TerraSource Global–Booth 1507
TIMINING–Booth 1310

Refinery Equipment

Coolon USA, Inc–Booth 2223
GVS Health and Safety–Booth 1660
Philadelphia Gear–Booth 2007
Rain for Rent–Booth 1513
Structural Steel & Plate Fabrication–Booth 441
ViewTech Borescopes–Booth 207

Remediation

Abel Pumps–Booth 339
AGRU America, Inc–Booth 1619
Alfa Laval–Booth 1849
Allonnia–Booth 200
Anguil Environmental Systems, Inc.–Booth 430
Antraquip Corporation–Booth 1615
ARCADIS–Booth 623
BGC Engineering–Booth 1946
CETCO–Booth 1511
ChemGrout, Inc–Booth 1341
Civil & Environmental Consultants, Inc (CEC)–Booth 841
ConeTec Inc–Booth 614
Coyne Chemical–Booth 223
Custom Linings, Inc–Booth 501
DeWind One Pass Trenching LLC–Booth 2102
Diemme Filtration SRL–Booth 400
EcoMister Evaporator–Booth 2038
ENTACT, LLC–Booth 529
Envirocon, Inc–Booth 813
Foam Concepts LLC–Booth 1530
Forgen–Booth 703
Geo-Logic Associates–Booth 1840
Geosyntec Consultants–Booth 413
Geotech Environmental Equipment, Inc–Booth 1624
GHD–Booth 127
Harrison Western Construction Corporation, Inc–Booth 1734
Iko Coletanche USA Inc–Booth 222
InduMar Products, Inc.–Booth 726
Jacobi Group–Booth 606
Keller–Booth 1418
Knight Piésold and Co–Booth 1314
Maccaferri, Inc–Booth 1537
Mitigation Resources of North America–Booth 1257
Montrose Environmental–Booth 1762
NorthStar–Booth 850

Odin Construction Solutions–Booth 417
Pacific West Environmental & Infrastructure–Booth 1763
Presto Geosystems–Booth 941
Ramboll–Booth 744
REI Drilling, Inc–Booth 322
Rocky Mountain Bio Products - A Division of Bowman Construction Supply–Booth 1760
RWI Enhanced Evaporation Services–Booth 938
Saskatchewan Research Council–Booth 1034
SKAPS Industries–Booth 633
Soilworks - Dust Control–Booth 2251
SOLMAX–Booth 1012
Tetra Tech–Booth 1327
Veolia Water Technologies–Booth 1600
Water Specialists Environmental Technologies–Booth 2104
Willowstick Technologies LLC–Booth 746
WSP–Booth 1019

Roadheaders

Antraquip Corporation–Booth 1615

Roof - Ground Supports

Agapito Associates Inc–Booth 1023
Antraquip Corporation–Booth 1615
CAB–Booth 1738
Epiroc–Booth 1401
Foam Concepts LLC–Booth 1530
Geobruigg North America, LLC–Booth 1427
Harrison Western Construction Corporation, Inc–Booth 1734
HUESKER Inc–Booth 1714
J.H. Fletcher & Co–Booth 533
JENNMAR–Booth 1007
Master Builders Solutions–Booth 1313
Minova–Booth 1038
Strata Products Worldwide, LLC–Booth 1514
United Central Industrial Supply–Booth 823
Williams Form Engineering Corp.–Booth 1862

Safety Awards

Giddy Up Inc.–Booth 748
HCC Group–Booth 1036
National Stone, Sand & Gravel Association (NSSGA)–Booth 1838

Safety Equipment

Accutron Instruments Inc–Booth 138
APS Lighting & Safety–Booth 2227
ASGCO Complete Conveyor Solutions–Booth 731
Belt Conveyor Guarding–Booth 807
BreatheSafe - AireSafe International–Booth 2118
CAB–Booth 1738
Carroll Technologies Group–Booth 1332
Coolon USA, Inc–Booth 2223
Copper State Bolt & Nut Co–Booth 1808
Driver Industrial Safety–Booth 406
ExcelSense Technologies–Booth 1746
Exyn Technologies–Booth 132
Flexco–Booth 1610
Gai-tronics / Austdac–Booth 1951
Garmin International–Booth 1657
Geobruigg North America, LLC–Booth 1427
Giddy Up Inc.–Booth 748
GVS Health and Safety–Booth 1660
Hayes Automation–Booth 634
HEICO Fastening Systems–Booth 733
HEXAGON–Booth 1105



Immersive Technologies–Booth 1833
 indurad–Booth 645
 IWT–Booth 1531
 LoopX–Booth 445
 Matrix Design Group–Booth 745
 ME Elecmetal–Booth 1601
 Mine Rite Technologies–Booth 1753
 MineARC Systems–Booth 123
 MST Global–Booth 1538
 Nerospec SK USA Corp–Booth 2232
 Orica–Booth 1711
 Phoenix Lighting–Booth 927
 Premier Pressure Control–Booth 425
 PROVIX–Booth 1338
 Rain for Rent–Booth 1513
 Roxtec–Booth 537
 Southwest Irrigation LLC–Booth 101
 Strata Products Worldwide, LLC–Booth 1514
 Sunset Manufacturing–Booth 317
 Sync Mine Safety–Booth 729
 Tek84, Inc.–Booth 2024
 TopVu–Booth 140
 United Central Industrial Supply–Booth 823
 ViewTech Borescopes–Booth 207
 Vision X USA–Booth 338
 Wenco International Mining Systems–Booth 2140
 x-Glo North America Inc–Booth 1336

Sampling Devices

Draslovka Mining Process Solutions–Booth 449
 Heath & Sherwood (1964) Limited–Booth 209
 McLanahan Corporation–Booth 1129
 Radom Instruments–Booth 736
 Scantech International Pty Ltd–Booth 1626
 Stratom Inc–Booth 1934
 Sunset Manufacturing–Booth 317
 Thermo Fisher Scientific–Booth 917
 XRSciences–Booth 225

Scales

indurad–Booth 645
 Wingfield Scale & Measure–Booth 605

Screens

BEIJING SCREEN TECHNOLOGY CO, LTD–Booth 201
 Carrier Process Equipment Group (CPEG)–Booth 2008
 Derrick Corporation–Booth 1116
 Federal Screen Products, Inc–Booth 1806
 General Kinematics–Booth 622
 Haver & Boecker Niagara–Booth 2141
 Heath & Sherwood (1964) Limited–Booth 209
 indurad–Booth 645
 Iracore/Irathane Systems Inc–Booth 1115
 JADCO Manufacturing Inc–Booth 509
 Joest Inc–Booth 929
 Masaba Inc–Booth 1811
 Matec America Inc–Booth 1757
 McLanahan Corporation–Booth 1129
 PHOENIX Process Equipment–Booth 924
 Polydeck–Booth 1918
 REESCO–Booth 122
 Roytec Global (Pty) Ltd–Booth 511
 Sandvik–Booth 1123
 Superior Industries–Booth 1604
 TEMA ISENMANN Inc–Booth 702
 Townley Engineering & Manufacturing, Co Inc–

Booth 735
 WesTech Engineering, LLC–Booth 900

Scrubbers

Adhesive Services Company–Booth 1560
 Anguil Environmental Systems, Inc.–Booth 430
 Crimar Industrial–Booth 304
 Jord International–Booth 100
 Kalenborn Abresist Corporation–Booth 1639
 Lechler, Inc–Booth 515
 Matec America Inc–Booth 1757
 McLanahan Corporation–Booth 1129
 Rocvent Inc–Booth 832
 Spendrup Fan Co–Booth 1006
 Westpro Machinery Inc–Booth 701

Seals

A.W. Chesterton Company–Booth 2122
 Hayward Gordon Group–Booth 1335
 JENNMAR–Booth 1007
 Minova–Booth 1038
 Ram Alloys–Booth 1850
 Roxtec–Booth 537

Sediment & Erosion Control

AGRU America, Inc–Booth 1619
 Avanti International–Booth 1718
 Civil & Environmental Consultants, Inc (CEC)–Booth 841
 Custom Linings, Inc–Booth 501
 DeWind One Pass Trenching LLC–Booth 2102
 ENTACT, LLC–Booth 529
 Envirocon, Inc–Booth 813
 Geobruigg North America, LLC–Booth 1427
 Geosyntec Consultants–Booth 413
 Kemira–Booth 1900
 Maccaferri, Inc–Booth 1537
 MAPEI Corporation–Booth 1426
 Minova–Booth 1038
 NewFields–Booth 1608
 Pacific West Environmental & Infrastructure–Booth 1763
 Presto Geosystems–Booth 941
 Process Technology, Inc–Booth 512
 Rocky Mountain Bio Products - A Division of Bowman Construction Supply–Booth 1760
 SKAPS Industries–Booth 633
 Soilworks - Dust Control–Booth 2251
 SRS Crisafulli, Inc–Booth 1941
 Watershed Geo–Booth 1617

Sensors

A.W. Chesterton Company–Booth 2122
 ABB–Booth 1917
 Accutron Instruments Inc–Booth 138
 airth.io–Booth 2009
 Alia Instruments BV–Booth 2235
 Canary Systems, Inc–Booth 1744
 CiDRA Minerals Processing Inc–Booth 1432
 Coolon USA, Inc–Booth 2223
 Draslovka Mining Process Solutions–Booth 449
 Emerson–Booth 1031
 Endress+Hauser–Booth 531
 Frontier Precision Geospatial/Unmanned–Booth 2001
 GEO-Instruments–Booth 1416
 GEOKON–Booth 1022
 Haver & Boecker Niagara–Booth 2141
 Hawk Measurement–Booth 1636

Honeywell–Booth 1805
 Howden Canada Inc–Booth 1923
 indurad–Booth 645
 LoopX–Booth 445
 Maestro Digital Mine–Booth 325
 Matrix Design Group–Booth 745
 Mine Vision Systems–Booth 2144
 MineARC Systems–Booth 123
 Molycop–Booth 845
 MST Global–Booth 1538
 Nerospec SK USA Corp–Booth 2232
 Orica–Booth 1711
 Process Technology, Inc–Booth 512
 PROVIX–Booth 1338
 Redwave Solutions US LLC–Booth 738
 Rust Automation & Controls Inc–Booth 637
 Saskatchewan Research Council–Booth 1034
 Stratom Inc–Booth 1934
 Sympatec–Booth 1912
 Teledyne Construction–Booth 546
 TOMRA Sorting–Booth 303
 TopVu–Booth 140
 Weir–Booth 1517
 Willowstick Technologies LLC–Booth 746
 Worldsensing SL–Booth 1433
 XRSciences–Booth 225

Separators and Concentrators

Alfa Laval–Booth 1849
 ANDRITZ–Booth 1629
 Aquatech–Booth 516
 Bunting–Booth 437
 Deister Concentrator–Booth 1858
 Derrick Corporation–Booth 1116
 Flottweg Separation Technology, Inc–Booth 838
 FLS–Booth 1205
 Hilliard Brake Systems–Booth 1239
 Joest Inc–Booth 929
 Jord International–Booth 100
 Kalenborn Abresist Corporation–Booth 1639
 Mineral Technologies–Booth 1141
 PHOENIX Process Equipment–Booth 924
 Redwave Solutions US LLC–Booth 738
 Roxia Inc–Booth 649
 Roytec Global (Pty) Ltd–Booth 511
 Somerset International–Booth 403
 TOMRA Sorting–Booth 303
 WesTech Engineering, LLC–Booth 900
 Westpro Machinery Inc–Booth 701

Shortwall Mining Equipment

Atlas Electric, Inc–Booth 227
 J.H. Fletcher & Co–Booth 533

Shotcrete Equipment, Supplies and Services

Bekaert–Booth 923
 Byrncut Group–Booth 737
 Custom Linings, Inc–Booth 501
 GMS Mine Repair & Maintenance–Booth 805
 Harrison Western Construction Corporation, Inc–Booth 1734
 JENNMAR–Booth 1007
 MAPEI Corporation–Booth 1426
 Master Builders Solutions–Booth 1313
 Minova–Booth 1038
 Normet Americas, Inc–Booth 1845
 Putzmeister Shotcrete Technology–Booth 1640
 Simem Underground Solutions, Inc–Booth 1719

PRODUCTS & SERVICES

Strata Products Worldwide, LLC–Booth 1514
Thyssen Mining Group of Companies–Booth 1709
Tricon Wear Solutions–Booth 1440

Solar Electric Power System

TPSX–Booth 1032
Watershed Geo–Booth 1617

Solvents - Extraction, Mixer and Settlers

A.W. Chesterton Company–Booth 2122
Allonnia–Booth 200
Chevron Phillips Chemical–Booth 1114
Coyne Chemical–Booth 223
Flottweg Separation Technology, Inc.–Booth 838
Hayward Gordon Group–Booth 1335
Kopper Chemical Industry Corp., Ltd.–Booth 1562
Mixtec North America–Booth 824
Process Technology, Inc.–Booth 512
Quinn Process Equipment Co–Booth 1522
Syensqo–Booth 1412
Univar Solutions–Booth 1233

Steel Pipe

AIL Mining–Booth 1137
Contech Engineered Solutions–Booth 825
Crimar Industrial–Booth 304
InduMar Products, Inc.–Booth 726
JADCO Manufacturing Inc.–Booth 509
Mechanical & Ceramic Solutions, Inc.–Booth 631
Mill Man Steel, Inc.–Booth 1611
Naylor Pipe Company–Booth 1501
Putzmeister Shotcrete Technology–Booth 1640
REI Drilling, Inc.–Booth 322
Southwest Irrigation LLC–Booth 101
Structural Steel & Plate Fabrication–Booth 441
Tricon Wear Solutions–Booth 1440

Steel Wire Ropes/Cables

Bekaert–Booth 923
Carroll Technologies Group–Booth 1332
Geobruigg North America, LLC–Booth 1427
Minova–Booth 1038
WireCo–Booth 628

Surveying Equipment and Supplies

Carlson Software–Booth 1015
Esri–Booth 1750
Exyn Technologies–Booth 132
Flyability Inc.–Booth 638
Frontier Precision Geospatial/Unmanned–Booth 2001
GEO-Instruments–Booth 1416
Juniper Systems–Booth 2245
Maptek–Booth 901
Mine Vision Systems–Booth 2144
Orica–Booth 1711
Propeller–Booth 238
RDO Equipment Company–Booth 1948
RockTech USA, Inc.–Booth 1913
Sunset Manufacturing–Booth 317
Willowstick Technologies LLC–Booth 746
Wingfield Scale & Measure–Booth 605
Wingtra AG–Booth 647

Temporary Structures

Acrow Corporation of America (Acrow Bridge)–Booth 1724
AIL Mining–Booth 1137
Atlas Electric, Inc.–Booth 227

GNB Global Inc.–Booth 822
Hilfiker Retaining Walls–Booth 1505
JT Thorpe Industrial, Inc.–Booth 423
Norseman Structures–Booth 1030

Thickeners

Alfa Laval–Booth 1849
Alia Instruments BV–Booth 2235
Aquatech–Booth 516
Diemme Filtration SRL–Booth 400
Fisher Tank Company–Booth 2244
FLS–Booth 1205
Kemira–Booth 1900
McLanahan Corporation–Booth 1129
Molycop–Booth 845
Nalco Water, an Ecolab Company–Booth 306
PHOENIX Process Equipment–Booth 924
Pocock Industrial, Inc.–Booth 1333
Process Technology, Inc.–Booth 512
Roytec Global (Pty) Ltd–Booth 511
TAKRAF USA, Inc.–Booth 2149
Tank Connection–Booth 1839
WesTech Engineering, LLC–Booth 900
Westpro Machinery Inc–Booth 701

Training Services

5DT (Fifth Dimension Technologies)–Booth 300
AIMC–Booth 326
AMPS–Booth 2145
ANDRITZ–Booth 1629
Copper State Bolt & Nut Co–Booth 1808
CQA Solutions, Ltd–Booth 2100
Datamine Software–Booth 1823
Emerson–Booth 1031
Flexco–Booth 1610
Hatch–Booth 1340
Immersive Technologies–Booth 1833
J.H. Fletcher & Co–Booth 533
Jenike & Johanson–Booth 935
KPI Mining Solutions–Booth 1911
Maptek–Booth 901
Metcom Technologies Inc–Booth 1705
Metsim International–Booth 301
Micronics Engineered Filtration Group–Booth 2025
Minova–Booth 1038
National Stone, Sand & Gravel Association (NSS-GA)–Booth 1838
Normet Americas, Inc.–Booth 1845
Northwest Towers–Booth 2123
Paterson & Cooke USA, Ltd–Booth 1325
Quadra Chemicals Inc–Booth 206

Transportation

Acrow Corporation of America (Acrow Bridge)–Booth 1724
BEUMER Group–Booth 1945
Bridgestone Americas Tire Operations–Booth 517
Brookville Equipment Corp–Booth 1545
HYTORC, Division of UNEX Corp–Booth 640
MOSIMTEC LLC–Booth 2249
NewFields–Booth 1608
Pacific West Environmental & Infrastructure–Booth 1763
Rail-Veyor Technologies Global Inc–Booth 1625
Valmet Flow Control–Booth 627
WSP–Booth 1019

Trucks and Haulage Units

5DT (Fifth Dimension Technologies)–Booth 300
Brookville Equipment Corp–Booth 1545
Caterpillar–Booth 1016
Driver Industrial Safety–Booth 406
Epiroc–Booth 1401
ExcelSense Technologies–Booth 1746
Hilfiker Retaining Walls–Booth 1505
Immersive Technologies–Booth 1833
Komatsu–Booth 1539
Liebherr–Booth 1439
Mine Rite Technologies–Booth 1753
Miner Elastomer–Booth 1739
Phillips & Jordan, Inc.–Booth 1438
Rail-Veyor Technologies Global Inc–Booth 1625
Sandvik–Booth 1123
Schlam–Booth 1558
Wenco International Mining Systems–Booth 2140

Tunnel Boring Equipment

Alfa Laval–Booth 1849
Alia Instruments BV–Booth 2235
Antraquip Corporation–Booth 1615
Atlas Electric, Inc.–Booth 227
Brunel Corp–Booth 906
CAB–Booth 1738
HEICO Fastening Systems–Booth 733
Herrenknecht Tunneling Systems–Booth 1219
Premier Pressure Control–Booth 425
PROVIX–Booth 1338
Simem Underground Solutions, Inc.–Booth 1719
Spendrup Fan Co–Booth 1006
Thyssen Mining Group of Companies–Booth 1709
ZF Industrial Drives–Booth 1649

Tunnel Lining and Support Materials

AGRU America, Inc.–Booth 1619
AIL Mining–Booth 1137
Antraquip Corporation–Booth 1615
Bekaert–Booth 923
CAB–Booth 1738
CETCO–Booth 1511
Contech Engineered Solutions–Booth 825
Custom Linings, Inc.–Booth 501
Foam Concepts LLC–Booth 1530
Geobruigg North America, LLC–Booth 1427
MAPEI Corporation–Booth 1426
Master Builders Solutions–Booth 1313
Minova–Booth 1038
Putzmeister Shotcrete Technology–Booth 1640
QSP Packers, LLC–Booth 141
Robit Inc–Booth 1901
Rocvent Inc–Booth 832
SAI America Corp–Booth 103
Sandvik–Booth 1123
SKAPS Industries–Booth 633
SOLMAX–Booth 1012
Thyssen Mining Group of Companies–Booth 1709
Titan Environmental–Booth 436
Williams Form Engineering Corp.–Booth 1862
Worldsensing SL–Booth 1433

Underground - Construction and Structures

Acrow Corporation of America (Acrow Bridge)–Booth 1724
Aecon–Booth 734
AIL Mining–Booth 1137
Antraquip Corporation–Booth 1615
Avanti International–Booth 1718



Bekaert-Booth 923
 Byrncut Group-Booth 737
 CAB-Booth 1738
 Cementation USA Inc-Booth 422
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