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A NATIONAL TRADE ORGANIZATION WITH A GLOBAL REACH
As Managing Director, I am proud to welcome you to the 22nd annual Compendium of Canadian Mining Suppliers under our new branding as the Mining Suppliers Trade Association Canada or MSTA CANADA; I will speak more about our rebranding in the following pages. The Compendium is an excellent resource to finding Canada’s quality mining suppliers and demonstrates the remarkable breadth and depth of products and services offered by the Canadian Mining Supply and Services (MSS) Sector. These companies supply the entire mining spectrum – from early exploration and development, to mine design and construction, production, processing, refining, closure and rehabilitation.

The Compendium is set up in a format that allows you to easily find a supplier using the subsector index in the front or the alphabetical listings in the back. In addition, the added value of a concise descriptive supplier profile with key contact information gives you a quick understanding of whether a supplier will fit your needs. For example, if you are interested in Mineral Processing Equipment & Supplies, you will find 17 firms under that heading.

The mining industry is finally showing signs of recovery and mining companies are talking about growth, however, this growth is also being done with a different approach to the typical business model. The key difference is the confidence many mining companies have in the business cases for the adoption of innovative technologies and services. Two key themes that can be identified in this transformation are the digitalization and the electrification of operations.

As a result of these themes, we are seeing new entrants into the mining market from the renewable energy, automation, mixed and virtual reality, drone technology and genomic areas, to name only a few. That said, there is constant innovation happening within the more well-known subsectors that are constantly developing better-quality products and services for your business to execute at its fullest potential.

I encourage you to explore our Compendium and seek out our suppliers so they can work with you to provide the quality solutions your business requires to be competitive in the current and future marketplace.

Please contact our members directly for further information on their products and services or visit our website at www.mstacanada.ca to learn more. You can also contact any one of our MSTA CANADA staff members, who will always be pleased to assist you in finding the right business partners to fulfill your needs.

Sincerely,

Ryan McEachern
Managing Director
Mining Suppliers Trade Association Canada (MSTA CANADA)
For more than 35 years, our association has built a strong reputation of delivering quality service to our members. After extensive consultation with our members, we have adjusted how we do business to better reflect the needs of our members. It is also why our organization undertook a process to carefully evaluate our role and our value to members. We wanted to ensure that our operational mandate was aligned and consistent with our members. Our members told us we needed a more modern approach to ensure we consistently deliver value to them, and we’ve done that.

The mining supply and services (MSS) sector is a lynch pin to the mining ecosystem and it is this portion of the economy that has consistently demonstrated an entrepreneurial spirit and a commitment to innovation. So too must we as an association be reflective of our members’ needs of today and anticipate for tomorrow.

After considerable outreach to members and stakeholders, looking at best practices and research, I am very proud to announce that after nearly four decades of service to the mining community, the Canadian Association of Mining Equipment and Services for Export has been rebranded and will be known as the Mining Suppliers Trade Association Canada or MSTA Canada.

This is not the first time the association has evolved. When it first formed in 1981, the association was called the Ontario Mining Equipment and Services for Export before evolving into a national organization in 1989 and changing to the former name, the Canadian Association of Mining Equipment and Services for Export.

But I think it is important for you to know that we are changing more than just our name and logo. We are adjusting how we do business to better reflect the needs of our members. Our members told us we needed a more modern approach to ensure we consistently deliver value to them, and we are doing that.

We are excited with the launch of a new name, a new website and a new energy to better represent and serve the mining supply and services sector and more importantly our members.

This journey has not been without a number of supporters, and I want to conclude by thanking a few of them. First, our members, for believing in this association and what we have to offer them. We exist to serve them, and it is a great privilege to be able to unveil this renewed organization for them. I want to truly thank my Board of Directors (past and present) for their encouragement and support, not to mention the association’s dedicated team.

In closing, I want to thank the consulting firms, for without their professionalism, guidance, patience and encouragement this vision may not have become a reality. Specifically, I want to thank Circus Communications for their graphic design work on this project and brand leadership, Flywheel Strategic for designing and delivering our outstanding new website and lastly, I want to thank HOWE&WYE, who led our engagement and brand research and have provided me with strategic counsel and communications support throughout this process.

“MSTA Canada will be laser focused on helping our members grow their businesses”
This index is a compilation of profiles briefly describing the activities and capabilities of all members appearing in this year’s MSTA Canada Compendium of Canadian Mining Suppliers. For ease of reference, members’ profiles are organized under the mining industry subsectors they supply or serve.

### Analytical Laboratories & Supplies

Geochemical, ore, process and environmental sample analysis; umpire assay services; laboratory equipment; density measurements; conductivity measurements; susceptibility; IP/resistivity.

20 Activation Laboratories Ltd.
Innovative geochemistry for mineral research and exploration

20 Laval Lab Inc.
Leading supplier of laboratory and pilot plant equipment

21 Saskatchewan Research Council
Smart mining solutions

21 SightPower Inc.
Underground data-modeling systems and technology solutions

### Associations

Activities of national, provincial and regional trade associations for the Canadian mining industry.

22 Canadian Institute of Mining, Metallurgy and Petroleum (CIM)
Leading society of Canadian minerals, metals and energy professionals

22 Greater Sudbury Development Corporation
Building economic development partnerships for Sudbury’s mining community

23 The Mining Association of Canada (MAC)
The voice of the Canadian mining industry since 1935

### AUTOMATION & COMMUNICATIONS

Expertise, equipment and technology for process and machinery automation; business intelligence tools; robotics; underground and surface communications; vehicle automation; monitoring and safety.

24 Denson Automation Inc.
Control application solutions for industrial customers and OEMs

24 Hepburn Engineering Inc.
Complete hoisting systems, electrical controls, software and automation

25 K4 Integration Inc.
Experts in the application of technology in mining

25 Northern Light Technologies Inc.
Best-in-class communications and lighting solutions

26 Phoenix Contact Ltd.
A global leader in industrial automation, communications and electrical control products

### BUILDINGS, PERMANENT & PORTABLE

Steel building systems, turnkey camp rental, structures for housing, storage and many other applications.

27 BEHLEN
Canada’s largest manufacturer of pre-engineered steel buildings

28 Future Buildings
Quality prefabricated steel buildings at factory-direct prices

28 Sprung Structures Ltd.
High-performance fabric structures

### Bulk Material Handling Equipment, Systems & Engineering Services

Components, equipment, engineering design and consulting services for moving bulk materials, including fabricators of skips, cages, loaders, unloaders, mine-cars, rock breakers, samplers, conveyor systems, rollers, idlers, pulleys, vulcanizers, mixers, filters, speed reducers, motors, stackers, reclaimers, grizzlies, chutes, chute loading systems, slusher hoists, tramper metal detectors, belt rip detection systems, drive control systems, abrasion resistant piping, castings and gears.

29 AG Mining Equipment Inc.
Bulk materials

29 Industrial Equipment Manufacturing Ltd.
Bulk material handling equipment experts since 1953

30 Minibulk Inc.
Canada’s premier supplier of flexible intermediate bulk containers

Trust PROMAT’s experience in business

31 Shaw Almex Industries
Leader in conveyor belt vulcanizing and repair equipment

31 Standard Machine
Precision solutions

### CAMERA SYSTEMS, MOBILE

Thermal night vision cameras, no-drill laptop mounters, remote control floodlights, side-view cameras, backup cameras, video accident recorders; truck video products; digital incident/accident recording systems; rear-view video systems; submersible lamps; emergency lighting, warning lights, D.O.T. lighting, backup cameras, reversing aids.

32 Motion Metrics
Advanced monitoring solutions for mines and quarries

32 PROVIX Inc.
PROVIX = Now I can see!

### Consulting Geologists & Engineers

Services in geology, project development, reserve estimation, feasibility studies; due diligence, project monitoring, failure analysis, engineering for mining, metallurgy, mechanical, civil, electrical, geotechnical; turnkey contracting, research and development.

33 CEMI – Centre for Excellence in Mining Innovation
Posed to be a global leader in mining innovation

33 Goldar Associates Ltd.
Global organization providing consulting, design and construction services

33 SRK Consulting (Canada) Inc
Consulting assistance from grassroots exploration through to closure

34 Ultra-Deep Mining Network (UDMN)
The business of mining: below 2.5km

### Corporate Social Responsibility

Companies have a responsibility to provide principles and performance guidelines that respect all stakeholders equally within the corporate framework, including employees, customers, local communities and shareholders.

34 Prospectors & Developers Association of Canada (PDAC)
The voice of Canada’s mineral exploration and development industry

### Diesel Engines & Accessories

Exhaust insulation.

35 Firwin Corp.
Covering your exhaust insulation needs

### Doors

Doors for mining and plant applications.

35 TNR Industrial Doors
Manufacturer of special purpose high-performance doors
### SUBSECTOR INDEX OF MEMBER COMPANIES

#### DRILLING CONTRACT SERVICES
- Diamond core, rotary, reverse circulation, raising, surface and underground contract drilling services.
- **Energold Drilling Group**
  - Environmentally sensitive innovations in specialized drilling
- **Orbit Garant Drilling Services Inc.**
  - A leader in the global drilling industry

#### DRILLING EQUIPMENT & SUPPLIES
- Drilling underground and surface: hydraulic, pneumatic, reverse circulation, in-the-hole drills, jumbo, raise-boring equipment, auger drilling rods, drill steel and parts, hammers, diamond and button bits, drill fluids, pump systems, carbide bit refurbishing, seals, wireline accessories.
- **Atlas Copco Exploration Products**
  - Diamond-core drilling equipment and mineral exploration solutions
- **Canun International**
  - Pneumatic rock drills - product quality equals productivity
- **Dimatec Inc.**
  - Diamond drilling tools and precision machining
- **Foremost**
  - Mining and mineral exploration drills, tooling and accessories
- **Mansour Mining Technologies Inc.**
  - Market-leading manufacturer of integrated mining supply products
- **National Compressed Air**
  - Providing innovative compressed air and drilling solutions worldwide
- **PHG Global**
  - Canadian manufacturer of pneumatic mining and exploration equipment

#### EDUCATION & TRAINING
- Products and services for training personnel in mining skills, training program development.
- **MIRARCO**
  - Mining innovation Rehabilitation and Applied Research Corporation
- **Northern Centre for Advanced Technology (NORCAT)**
  - World-class mining sector training and development

#### ELECTRIC POWER EQUIPMENT
- Electrical components and management tools, power resistors, power cables, power cable couplers, ground fault protection systems, electric drive raise climbers, ruggedized equipment, starters, high voltage equipment, switchgear, electric generators, batteries.
- **ADRIA Manufacture Inc.**
  - A premier manufacturer of custom engineered electrical equipment designed for use in mining
- **Arkbro Industries**
  - Equipment for raise mining, horizontal drifts/tunnels, inclined/vertical shafts
- **Mine Cable Services Corporation**
  - Cable connection systems, repair equipment and handling systems

#### ENVIRONMENTAL EQUIPMENT & SERVICES
- Information, professional services and technologies covering environmental science, planning and engineering for mines and processing; treatment of sewage and acid mine effluents; mine closure services, engine emissions control, water treatment equipment and services, wastewater treatment, environmentally sound exploration practices; portable storage systems; liquid logistics; on-site storage tanks for water and fuel; pest control; secondary containment for hazardous fluids both military and commercial.
- **Cypher Environmental Ltd.**
  - Solutions for dust and haul-road construction problems
- **Eco Technologies**
  - Dredging for mine tailings and industrial lagoons
- **Filtratech**
  - Experts in air pollution control
- **Saskatchewan Research Council**
  - Smart mining solutions
- **SEI Industries Ltd.**
  - Engineers, remote site liquid logistics and environmental solutions

#### EQUIPMENT MAINTENANCE & REPAIR
- Solutions to unique maintenance and repair problems, filtration, rebuilds, portable align borring machines, abrasion resistant steel, blades, wear studs, plastic components, abrasion and corrosion resistant coatings, rewhind and repairs to motors, repairs and replacements for bushings, wear plate impact pads and lining materials, jacks, welding supplies, ground engaging tools, tires.
- **Brant Corrosion Control**
  - More than 30 years of experience in the application of liquid coatings and rubber linings
- **Normac Adhesive Products Inc.**
  - The protection of high-performance urethane coating systems
- **Valley Blades Limited**
  - Replacement wearing edges for earth and snow removal equipment

#### FUEL TRANSPORTATION & STORAGE EQUIPMENT
- Fuel and liquid handling equipment and services.
- **Fireball Equipment Ltd.**
  - Fuel and lube infrastructure for mines
- **SEI Industries Ltd.**
  - Engineers, remote site liquid logistics and environmental solutions

#### GEOPHYSICAL INSTRUMENTATION
- Airborne, surface and borehole instrumentation for mineral exploration and other applications, including electromagnetics, magnetics, magnetotellurics, induced polarization, seismic, surveying.
- **EM Systems**
  - One of the largest suppliers of geophysical instruments
- **Fireball Equipment Ltd.**
  - A reliable manufacturer of leading-edge geophysical instruments
- **Phoenix Geophysics Ltd.**
  - Save money - focus your drilling with geophysics
- **Terraplus Inc.**
  - One of the largest suppliers of geophysical instruments

#### FINANCE CONSULTANTS & SERVICES
- Services including financing, banking, tariffs, overseas fees, e-commerce trade, international investments and loans, taxes, accounting or tax preparation software, contract support and customs documentation.
- **Export Development Canada**
  - Helping Canadian mining suppliers go, grow and succeed internationally
57 Hepburn Engineering Inc. Complete hoisting systems, electrical controls, software and automation

58 Rotesco Inc. World-leading non-destructive testing of steel-wire ropes

GROUNDS WATER TREATMENT EQUIPMENT & SERVICES

59 Generation 2 Filtration One micron filtration prolonging equipment and oil life

INFORMATION & MARKETING SERVICES

Services including advertising, e-commerce, mining sector information, marketing, corporate image development, print and electronic publishing, and tradeshows exhibitions.

59 InfoMine Worldwide mining portal site and business center online

59 HOWE & WYE Specializing in strategic planning, public affairs, communications and stakeholder engagement for key sectors, including mineral exploration and mining

59 S&P Global Market Intelligence The single-source solution for global mining intelligence

GROUTING EQUIPMENT & SERVICES

Onsite grouting services and supplies for water inflow projects.

56 Multiurethanes Grouting professionals – water control for underground mines

MINERAL PROCESSING – PUMPS & VALVES

Abrasion-resistant pipe, high-density polyethylene pipe and fittings.

63 Technosub Fast and effective mining pumps and dewatering solutions

MINERAL PROCESSING EQUIPMENT & SUPPLIES

Crushers and parts, grinders, ore-processing plants, electrical motors, grinding rod, mill liners, process heating equipment, centrifugal concentrators, wet and dry process filtration, electrolytic cells, process control samplers, retorts, grizzlies, screens, pumps, pump parts, castings and assemblies, clarifiers, samplers, mixers, dryers, filters, agglomerators, cyclones, gears, ceramic corrosion-resistant lining systems, rubber products such as abrasion-resistant liners, corrosion control coatings, pinch valves, hoses and expansion joints, rubber components, fiberglass reinforced parts such as pipe, grating and solvent extraction systems, abrasion-resistant piping, remanufactured and used equipment.

64 AFX Mixing & Pumping Technologies Keeping fluid in motion

64 American Biltrite Ltd Premium abrasion-resistant rubber for total protection

64 Boundary Equipment Co. Ltd. Engineered wear parts for mining, material handling, smelting

65 Canadian Wear Technologies Wear solutions for critical and severe applications

65 Fabrithane Industrial Products Inc. Manufacturer of cast-urethane wear parts

66 Fournier Industries Inc. From design and detailed engineering to field installation

66 Heath & Sherwood Sampling systems, online XRF analysis, Tuyere line products

67 McCloskey International Ltd. Manufacturers of portable crushers, screeners and conveyors

GROUNDS WATER TREATMENT EQUIPMENT & SERVICES

60 S&P Global Market Intelligence The single-source solution for global mining intelligence

GROUND CONTROL EQUIPMENT & SUPPLIES

Equipment, supplies and applicators for grouting, shotcrete, abrasion-resistant piping, paste backfill, rock bolting, seismic monitoring and geotechnical instrumentation.

55 ComICO Inc. Ground support systems you can build on

55 Mansour Mining Technologies Inc. Market-leading manufacturer of integrated mining supply products

HOOSTING EQUIPMENT & SERVICES

Services for the design, supply, upgrading and refurbishment of mine hoists, rack and pinion hoists, winches, tuggers, sheaves, slushers, wire rope and wire rope testing equipment.

57 Hepburn Engineering Inc. Complete hoisting systems, electrical controls, software and automation

58 Rotesco Inc. World-leading non-destructive testing of steel-wire ropes

HYDRAULIC COMPONENTS & ACCESSORIES

Fluid and filtration products.

58 Generation 2 Filtration One micron filtration prolonging equipment and oil life

INFORMATION & MARKETING SERVICES

Services including advertising, e-commerce, mining sector information, marketing, corporate image development, print and electronic publishing, and tradeshows exhibitions.

59 InfoMine Worldwide mining portal site and business center online

59 HOWE & WYE Specializing in strategic planning, public affairs, communications and stakeholder engagement for key sectors, including mineral exploration and mining

59 S&P Global Market Intelligence The single-source solution for global mining intelligence

MINE SITE CONSTRUCTION

Various equipment and components, including wood, steel and high-density polyethylene construction products, corrugated metal construction, land surveying.

61 AIL MINING Advanced engineering solutions in crossings and retaining walls

62 Armetec Limited Partnership Steel culvert and high-density polyethylene construction products

MINERAL PROCESSING SERVICES

Process engineering; mineral processing, hydrometallurgical, pyrometallurgical and refining design and testing; crusher refurbishment; flowsheet development; pilot plants; new, remanufactured and custom-designed equipment for mineral processing.

70 Precisionenging DKG Corp. Precision-engineered, corrosion-proof fiberglass products for mineral processing

70 Tega Industries Canada Inc. Total solutions for wear and abrasion when separating ores

71 Tramac Equipment Ltd. Stationary rock breaker systems and hydraulic attachments

71 Westpro Machinery Inc. Your process technology partner since 1985

72 COREM World-class expertise in mineral processing

72 P.R. Engineering Limited Your crusher specialist (new and reconditioned) since 1965

73 Saskatchewan Research Council Smart mining solutions

76 NovaFlex Group Ultimate hose and connector solutions for piping failures

77 Megatraction Equipment Inc. MEI has brought the mining industry the only patented heavy lifting system designed for undecking mine shovels.

78 Montreal Tractor Inc. Produces MONTTRAC crushing systems
### MINING INSTRUMENTATION
Control and monitoring instrumentation, airflow monitoring; laser alignment, cavity monitoring, tramp metal detection, drill hole surveying, gas and environmental monitoring, geotechnical monitoring.

- **75** Accutron Instruments Inc.  
  Mine and industrial ventilation monitoring with vent-on-demand

- **76** Saskatchewan Research Council  
  Smart mining solutions

- **77** SightPower Inc.  
  Underground data-modeling systems and technology solutions

- **78** Teledyne Optec  
  World leader in advanced lidar and camera instruments

### MINING ENGINEERING & CONTRACTING
Contract services for shaft sinking, raise boring, mine development and mining; engineering services, including mining, metallurgical, mechanical, civil, electrical and geotechnical; turnkey contracting; ground control; construction services; surveying.

- **74** DMC Mining Services  
  Your foremost provider of mining services and solutions

- **74** Progesys Inc.  
  Industrial plant commissioning, project management and engineering services

### OIL SAMPLING VALVES & DIAGNOSTIC ACCESSORIES
- **78** Checkfluid Inc.  
  First step in oil analysis sampling

### PACKAGING SERVICES
Services including design and manufacturing of packaging, crating export packaging, tracking, vacuum sealing cargo, packaging hazardous goods, loading containers, and project management and warehousing.

- **78** Topax Export Packaging Systems  
  Protecting assets from transportation and storage hazards

### RENEWABLE ENERGY SOLUTIONS
- **79** HERON CANADA Inc.  
  Smart power solutions for a better tomorrow

### SMELTING & REFINING EQUIPMENT & SERVICES
Process consultants; copper electro-winning equipment; material handling equipment; automation services; insulators for hydrometallurgical refining industry, Tuyère punchers; insulators.

- **80** EPCM Services Ltd.  
  Cathode manufacturing and tankhouse handling equipment

- **80** Mansour Mining Technologies Inc.  
  Market-leading manufacturer of integrated mining supply products

### SURFACE MOBILE EQUIPMENT & COMPONENTS
New and used surface mining machinery, dumpers, pins and bushings, engine cooling fans, climate control systems, haulers, hydraulic seals, pistons, pumps and bearings, wheels, rims, tire handlers and manipulators, machinery parts and attachments, braking resistors, brake systems, clutch systems, cable reelers, dozer blades, buckets; gears; used and reconditioned equipment.

- **83** Boundary Equipment Co. Ltd.  
  Engineered wear parts for mining, material handling, smelting

- **83** Mobile Parts Inc.  
  Your parts and brake specialist

- **84** Polar Mobility Research Ltd.  
  HVAC systems for extreme climates and hazardous environments

- **84** Reliable Wheel Products Ltd.  
  Making maintenance of heavy equipment easy and safe

- **85** RIMEX  
  Building better wheels

- **85** Valley Blades Limited  
  Replacement wearing edges for edges and snow removal equipment

- **85** Weldco-Beales Manufacturing  
  "Attaching value" to heavy equipment

### SOFTWARE
Management, processing, analysis, display and presentation of exploration, mining, geomechanics, process and environmental data; ore reserve calculations; mine-wide information systems, process control and optimization; mine planning, GIS; training; laboratory information systems; hardware and business software, information technology systems.

- **81** AssayNet Canada Inc.  
  Solutions for automated information systems

- **81** iRing Inc.  
  Blast design and blast optimization software

- **82** Maptek  
  Innovative software, proven hardware and trusted services

- **82** ThreeDify Incorporated  
  Next generation mining software solutions

### TRADE CONSULTANTS
E-commerce development and strategies; services for export promotion, subcontractor searching, advice on international market planning and development, financial support, and tradeshow consulting.

- **86** Can-Ceed Technologies Ltd.  
  Your trade bridge with China

### TRANSPORTATION & LOGISTICS
Service providers services including customs documentation, shipping, material handling, document preparation and cargo tracking, logistics software, export packaging, logistics, transportation, supply chain management, freight forwarding, third-party contract charters for air/sea, transportation management, risk management and heavy lift.

- **87** Axess International inc.  
  Solving your worldwide importing and exporting needs

- **87** Cole International Inc.  
  The right solutions for your global logistics needs

- **88** Gillespie-Munro Inc.  
  Innovative international freight forwarding solutions

- **88** Manitoulin Group of Companies  
  Strengthen your supply chain with the Manitoulin network
Born out of the Northern Ontario Gold Boom of the 1920’s, Heath & Sherwood Limited has been operating in Kirkland Lake since 1927. Clarence L. Heath & Ellsworth B. Sherwood moved to Northern Ontario to chase a dream of finding wealth by ways of the mining industry.

Numerous mines were built, producing over $17 million worth of gold by 1930. Despite the depression, this value had increased to over $34 million by 1934. Kirkland Lake was gaining a position of importance in the global mining industry.

By 1951, Heath & Sherwood Limited was firmly cemented as a leader in the Canadian mining industry. That same year, the company was reorganized into two groups; Heath & Sherwood Drilling, a diamond drilling contractor, and the other remains as Heath & Sherwood Limited, specializing in manufacturing for the mining industry.

Heath & Sherwood supplies specialized mineral processing and metal smelting equipment to customers in 65 countries. After 90 years of hard work and dedication, we look forward to the future and continuing to be a leader in the industry.

The current ownership took over in 1997 and has continued to be a leader in the global mineral processing and copper & nickel smelting industry. Partnerships were forged with companies in Australia, Asia, as well as Central, and South America to give the company international recognition.

Looking north on Duncan Avenue in 1939 (Tech Library Collection) Prospects in the area discovered gold in 1906. From this point on, the area was forever changed as thousands of people travelled north to seek their fortune in the gold mining industry. The Town of Kirkland Lake was established in 1919.

Main Street, Kirkland Lake 1940-50s as illustrated by Mark Didine. By 1951, Heath & Sherwood Limited was firmly cemented as a leader in the Canadian mining industry. That same year, the company was reorganized into two groups; Heath & Sherwood Drilling, a diamond drilling contractor, and the other remained as Heath & Sherwood Limited, specializing in manufacturing for the mining industry.

The 1980’s and 1990’s marked the beginning of iron ore mining in Kirkland Lake as gold continued downward fluctuations on the international market. Another ownership change occurred in 1964, where the legal name of the company officially became Heath & Sherwood (1964) Limited. The company shifted its focus on manufacturing innovative and specialized products for mineral processing and copper & nickel smelting.

Heath & Sherwood Shop guys celebrating a milestone birthday (Heath & Sherwood archives)

The legend continues
Activation Laboratories Ltd.

Activation Laboratories Ltd. is a global contract laboratory with 22 labs in 12 countries. Most locations are full-service, performing high-quality analysis with fast turnaround times. Labs are accredited to the ISO/IEC 17025 quality system for specific registered tests or ISO 9001:2008 accredited. Actlabs is one of the world’s best-equipped contract labs for solving any problem with its wide range of techniques and services including neutron activation, ICP/MS, high-resolution ICP/MS, ICP/OES, XRF, AA, fire assay, isotopic ratios, age dating, radiochemistry and environmental services, and much more. Actlabs’ Geometallurgy and Metallurgy department, with state-of-the-art FEG MLA (mineral liberation analyzer) and FEG-QEMSCAN, improves recovery of metals and optimizes your exploration program. Actlabs offers unique technologies to discover blind mineral deposits like SGH, Enzyme Selective Extractions and Bioreach, and offers other innovative packages like Hydrogeochemistry, Biogeochemistry and Lithogeochemistry to aid in new deposit discoveries. Count on Actlabs for all of your analytical needs.

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Saskatchewan Research Council

Saskatchewan Research Council (SRC) works with industry clients to develop smart mining solutions for uranium, gold, potash, diamonds, rare earths and base metal mining. SRC provides a wide range of services supporting the full cycle of mining operations: exploration, mine development, mine operation, processing, waste management, decommissioning and site reclamation. Geoanalytical Laboratories has been providing high-quality analysis to the exploration and mining industry since 1972. Advanced Microanalysis Centre™ adds to the suite of analytical services offered through advanced equipment and techniques such as microprobe, XRF and XRD analysis. Development Engineering assists mining clients in the design, development and integration of electronic and electro-mechanical mining systems and instrumentation. Mineral Processing and Metallurgical Testing Services help clients improve processing productivity in an environmentally and economically sustainable way. Pipe Flow Technology Centre™ is equipped to enable full-scale physical modeling of the complex pipe flow behavior of slurries and crude oil mixtures.

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Laval Lab Inc.

Laval Lab Inc. is the leading Canadian supplier of laboratory equipment. Laval Lab’s easy-to-use website displays the company’s complete line available for delivery around the world. Product lines include sample preparation (crushers, grinders, pulverizers), particle size analysis (sieves, zeta potential, sample division, XRF-sample preparation, platinum labware, drying ovens and elemental analysis (LIBS) spectrometers. Highly experienced staff takes pride in creating innovative solutions to help clients increase efficiency and accuracy in laboratory analyses. For a wide range of high-quality products at a great price, visit Laval Lab online.

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MINING FAST FACT: From 1997 to 2013, exploration at and near operating mines had the smallest allocations compared with grassroots and late-stage/feasibility work. In 2014, mine site surpassed grassroots in global budget share by 1% and trailed late stage by almost 8%. In 2017, mine site has also topped late-stage budgets by registering growth of 18%, while the latter has grown by 11%.

– From “Trends in Exploration Budgets by Stage of Development” by S&P Global Market Intelligence, November 2017

SightPower Inc.

SightPower Inc. is headquartered in Ottawa, Canada and with offices and development centers in Johannesburg, South Africa and Kharkiv, Ukraine. SightPower globally provides innovative spatial enterprise solution for mining companies. This product allows the client to make effective business decisions by obtaining uninterrupted access to the distributed newly collected and historical mine spatial data regardless of its volume and the actual location of data servers. Solutions provided by SightPower include but are not limited to geological modeling, mine design and planning, automated surveying with laser-based technologies, and informational support of mineshaft lifecycle, including ice-wall simulation models for mineshafts which are being built. SightPower pioneers the technological breakthrough in mining industry delivering top-edge technological results to the mines. As a part of enterprise solution SightPower offers hardware-software integrated systems for underground mine monitoring and automated mineshaft inspection.

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www.sight-power.com

Canadian Institute of Mining, Metallurgy and Petroleum (CIM)

Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is the leading technical society of Canadian mining, minerals, metals and energy industry professionals. With approximately 10,000 individual members, 150 corporate members, 10 technical interest groups and more than 36 branches, it is the foremost voice for leading industry expertise. Through technical meetings, world-class events, CIM Magazine, CIM Journal and a portal to the OneMine online global mining and minerals library, CIM is a vital conduit for the creation, curation and delivery of the latest information on industry developments, innovations, projects and best practices. Its technical leadership in standards definitions has been highly acclaimed. Members also gain access to an extensive and influential network through the annual CIM Convention, special-topic and international conferences, and hundreds of cross-country meetings, events and lectures. Extend your network and help shape the future of the industry by joining this valuable community of decision-makers now. Visit the website listed here.

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Greater Sudbury Development Corporation

The City of Greater Sudbury is home to North America’s highest concentration of mining expertise. From capital equipment to consumables, engineering to mine construction and contracting, mapping to automation and communications – its companies are innovators. More than 300 mining products and services companies are located within the City of Greater Sudbury.

The Greater Sudbury Development Corporation’s job is to make the connections that count – whether it’s making introductions to local companies, providing market intelligence or providing investment and exporting information. So, if you’re looking for the latest in mining technology – or thinking of establishing a presence in the industry – you should be looking to the City of Greater Sudbury.

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The Mining Association of Canada (MAC)

The Mining Association of Canada (MAC) is the national association of the Canadian mining industry – comprising companies engaged in mineral exploration, mining, smelting, and refining. Member companies account for the majority of Canada’s output of metals and major industrial materials. MAC’s mission is to promote, through the collective action of members, the growth and development of Canada’s mining and mineral processing industry for the benefit of all Canadians. An important function is to work closely with the federal government to improve the business and regulatory climate in Canada. In 2004, MAC launched Towards Sustainable Mining, an award-winning stewardship initiative focused on improving the mining industry’s social, environmental and economic performance. The government, the public and the association’s diverse group of stakeholders recognize MAC as a source of reliable information and valuable consultation on matters concerning the industry and its place in Canadian society.

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MINING FAST FACT: The average annual pay for a mining worker in 2015 exceeded $115,000, which surpassed the average annual earnings of workers in forestry, manufacturing, finance and construction by a range of $32,000 to $43,000.

- From: Facts & Figures 2016, The Mining Association of Canada

Miners © James Hodgins
Denson Automation Inc.

Denson Automation has more than 30 years’ experience in designing and manufacturing complete integrated control systems in the heavy industrial area and offers technological capabilities and expertise for all levels of automation and control systems panels for industrial customers and OEMs. Denson provides underground and open-pit mining electrical and control containers for typical applications in new and existing mines, including control of miner conveyors, crusher line, pumps and blowers, as well as automation and modernization, including electrical and control engineering services and local custom control panels for pumps, blowers, lighting and distribution. PLC and communication are programmed and tested at the factory for fast start-up and commissioning, and its engineering and manufacturing facility means reduced delivery lead time, no additional overhead cost, flexibility and faster response to your special requests. Denson works in several languages in Canada, the U.S. and throughout Latin America. For full details, visit the website.

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Hepburn Engineering Inc.

Hepburn Engineering Inc. (HEI) designs and supplies complete mine hoisting systems with fully integrated electrical controls, digital drives, digital safety monitors, PLC-based operating systems and hoist management software for automated hoisting. The Hepburn Hoist Manager is the most advanced, comprehensive and user-friendly hoist-operating and management system available today. It incorporates advanced fault logging and diagnostics and can be configured to control hoists from a remote location. The new Hepburn Hoist Reporter software provides mine management with detailed, real-time production reporting, hoist status and searchable fault history using standard web browsers. Through Hepburn Hoist Care, Hepburn engineers can remotely access the hoist controllers and perform remote diagnostics to solve problems quickly. Hepburn electrical controls and Hoist Manager can be retrofitted to existing hoisting plants, as well as incorporated in new hoists to improve automation, performance, productivity, safety and maintenance. See the Hepburn company profile under Hoisting Equipment.

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Also see Country Interests section for Asia-Pacific, Latin America and the Caribbean, North America and Worldwide.

K4 Integration Inc.

K4 Integration Inc. /TopVu is a Canadian-based company with expertise in the application of technology in mining to improve productivity and efficiency. The TopVu suite of products provides a mine-hardened, reliable RFID solution for location services for material, personnel and equipment. The data collected from the patented TopVu eTag electronic tag-in boards and readers helps improve process flow and can interface to existing systems. It can also provide personnel locations in case of emergency. The TopVu eTool and Warehouse RFID solutions provide an RFID-based inventory management system, helping reconcile your inventory in minutes. K4 Integration’s Weigh Division is Measurement Canada registered and can install, service, and certify truck, rail, platform and bench scales, as well as conveyor, bin and hoppers scales. The Instrumentation Division provides gas monitoring calibration services and fiber optic infrastructure design and installation, as well as video monitoring systems, panel design/build, and general automation solutions. For more information on these solutions, please contact K4 Integration.

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Northern Light Technologies Inc.

Founded in 1984, Northern Light Technologies (NLT) delivers innovative technologies to mines, with a focus on safety and productivity. Through rugged networking, Wi-Fi, and software-based solutions, NLT makes mines and other operations more efficient, safe, and profitable. Through a more connected mine, NLT can offer powerful applications such as personnel and asset tracking, voice/text communication, video and security, environmental monitoring, and automation. NLT excels at turnkey design, manufacturing, fit-for-purpose deployment and support of scalable connectivity technologies. Northern Light® cap lamps are designed for maximum light output, reliability and comfort while providing secondary power options for RFID and Wi-Fi tags. Included in the lineup are the award-winning cordless Polaris, and the tag-enabled Genesis. To improve the way your mine sees, communicates, collaborates, and operates, call NLT today!

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### Automation & Communications

- **Denson Automation Inc.**
  - Offers complete electrical and control containers.
  - Provides automation and modernization solutions.

- **Hepburn Engineering Inc.**
  - Specializes in hoisting equipment and management.
  - Provides advanced fault logging and diagnostics.

- **K4 Integration Inc.** /TopVu
  - Provides RFID solutions for location services.
  - Offers integrated electrical controls and management systems.

- **Northern Light Technologies Inc.**
  - Delivers innovative technologies for mines, including cap lamps and environmental monitoring solutions.
Phoenix Contact Ltd.

Phoenix Contact is a worldwide leader in the manufacturing of industrial automation solutions, with a Canadian subsidiary established in 1983. Its products and solutions are a perfect fit for the mining industry, meeting the requirements for harsh environments, high vibration and extreme temperature conditions. As a leading and innovative global player in interconnection, interface and automation technologies, Phoenix Contact is constantly in touch with its customers in an effort to provide them with the best solutions for their application requirements. Some products especially relevant to the mining industry include: terminal blocks, wireless technology, autonomous solar panels, a range of power supplies, routers, system cabling, surge protection, and marking and installation products. For full details, visit the website.

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BEHLEN

BEHLEN is Canada’s largest manufacturer of steel building systems, selling steel structures, including industrial, commercial, recreational and institutional facilities. BEHLEN trades on an international scale, boasting the world’s largest frameless building, located in Siberia and holding an international soccer field certified by FIFA. BEHLEN also manufactured the PEAK 2 PEAK gondola terminals – an iconic landmark in the Vancouver 2010 Winter Olympics – and constructed the roof of the Gangneung Arena in South Korea for the 2018 Winter Olympics. BEHLEN has been manufacturing mining projects in North and South America too, and recently won the biggest industrial contract to manufacture 31 buildings for Shell Canada’s heavy oil development, to be completed with Edmonton-based partner NWS Construction. BEHLEN is recognized as one of Canada’s 50 best-managed private companies, was the first steel building manufacturer to be ISO 9001 certified in North America, and is the first company to use an innovative automation manufactured production process.

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MINING FAST FACT: While mining is important to Canada at the local community level, it also contributes to the economies of large cities. Toronto, for example, is the global hub for mining finance. The Toronto Stock Exchange (TSX) and TSX Venture Exchange (TSX-V) were home to 57% of the world’s publicly listed mining companies in 2013, and accounted for 62% of the global mining equity raised in 2014. Vancouver features the world’s leading cluster of exploration companies, while Montréal is home to major aluminum and iron ore firms. Edmonton has become a global center for oil sands expertise and Saskatoon for uranium and potash.

– From: Facts & Figures 2016, The Mining Association of Canada
Future Buildings

Future Buildings has more than 30 years of experience in manufacturing prefabricated steel buildings of every size and complexity. The company has grown to include the foremost engineering, production and customer service professionals in the industry. It has assisted thousands of customers in expanding and improving their businesses by being able to work quickly and efficiently to deliver custom steel building projects on time and on budget. Future Buildings stands up to the tests of time, wear and weather in the face of fierce winds, heavy snow loads and extreme storm conditions, including hurricanes. When you choose a steel building made by Future Buildings, it is backed with a 30-year rust perforation warranty and is compliant with Canadian Welding Bureau and CAN/CSA A660 certification guidelines to guarantee you quality workmanship at factory-direct prices. Also visit the company’s straight wall division at the Toro Steel Buildings website shown here.

Sprung Structures Ltd.

Sprung Structures is the global leader in the design and manufacture of engineered tension membrane structures utilized by the mining industry for immediate relocatable building solutions. Sprung invented the stressed membrane structure in the late 1970s in response to the need for a rapidly deployable building system that could be erected under rigid construction timelines and meet significant environmental loadings in remote areas. Since then, Sprung has erected more than 12,000 structures in 100 countries. Applications include onsite warehousing, haul truck maintenance, equipment storage, dining facilities, milling operations, bulk storage, ore processing and more. Sprung’s modular rust-free aluminum substructure is easily accommodated in shipping containers for international transport, and a worldwide network of structural engineers and strategic alliances help ensure every project exceeds expectations. Structures are available in widths 30 ft. to 200 ft. by any length, and optional fiberglass insulation packages are available. Lease or purchase. Proven technology worldwide.

AG Mining Equipment Inc.

AG Mining Equipment Inc. was established in Mississauga, Ontario, in 1998 by Equipos Mineros Inc. AG Mining’s parent headquarters and manufacturing facilities are located in Santiago, Chile, where the company’s more than 49 years of experience in manufacturing drilling equipment for the underground mining industry has been dedicated to clients in local and international markets. Its manufacturing facilities with up-to-date machinery and metallurgical laboratory, as well as its expert staff of mechanics and technicians, make it possible for AG Mining to produce top-quality products. As a result, you benefit from AG Mining’s firsthand experience in its quick and accurate response to the drilling problems that arise in your daily operation.

Industrial Equipment Manufacturing Ltd.

Industrial Equipment Manufacturing Ltd. (IEM) has engineered and manufactured bulk material handling equipment for mining and other heavy-duty industries for more than 55 years. At its plant in Surrey, British Columbia, IEM specializes in mining and manufacturing allows for strict quality and production control, guaranteeing the highest standard of product quality and reliability. Close proximity to Pacific seaports allows IEM to readily ship around the world. IEM equipment and systems convey bulk materials used in mining, port transfer and loading facilities, pulp and paper mills, sawmills, cement and aggregate plants, grain elevators and similar industries. IEM products include rotary batch log debarkers, log infeed and outfeed transfer decks, apron feeders, belt feeders, belt conveyors, ball feeders with distribution conveyors, high-lift conveyors, bucket elevators and specialty pulley and belt cleaners. Standardized product designs allow for fast track availability and modifications, and custom engineering, design and manufacturing are also available for special needs projects.

PROMAT is dedicated to providing full service with its heavy-duty sector focused on custom bulk material handling equipment and systems for the cement, steel and mining industries. PROMAT offers a full line of superior material handling products, integrated into complete system designs, ranging from dust-free retracted loading spouts to silo discharging and process feeding systems. Specializing in customized Quicklime slaking systems to produce excellent lime slurries, and in unsurpassed flocculent wetting systems, PROMAT systems typically include silos or bulk bag unloaders, patented wetting and slaking components, and dedicated pumping systems, all backed by proven design, equipment field service, and equipment installation supervision and commissioning. To provide highest-quality customer service and support, PROMAT maintains a fully computerized engineering department that leverages the most current technologies, communicating accurate designs that ensure a smooth, seamless integration of PROMAT expertise into your important global projects while meeting all of your application needs.

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MiniBulk Inc.

MiniBulk has been proudly serving the global mining industry for over 20 years. With its roots in Canada, MiniBulk has extended its supply chain around the world so it can provide top quality bulk packaging with exceptional value. The company’s dedicated product consultants have first-hand experience in recommending the best bulk bags for your mining operations. They travel the world to see mining operations with their own eyes so they can make informed recommendations on how to improve your processes. With its dedicated logistics team at the ready, you can be sure your mining operations will always have the bulk bags required to get the job done safely and efficiently. From core samples to concentrates, from by-products to refined materials, whether you are mining in the freezing cold of the Arctic Circle or in the scorching heat of the African plains, MiniBulk is the mining supply partner you can trust today, tomorrow, and always.

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Shaw Almex Industries

Shaw Almex Industries is an industry leader in the design and manufacture of vulcanizers and presses for splicing all types of belting and stationary presses for the fabrication of flat and profile conveyor belting. The most recent addition to Almex Group is the acquisition of EMSYS GmbH of Germany, a leading supplier of systems for conveyor belt rip prevention, conveyor belt steering and ATEX certified equipment like conveyor scales and portable conveyors. Shaw Almex now offers onsite expertise with Almex Global Services. Offerings include consulting, belt installation, quality assurance, and dust suppression systems that reduce costs, improve productivity, and create a safer and cleaner site, ultimately improving productivity. Fusion Systems, another division of Almex Group, provides splicing tools and repair materials to complement the advanced Almex conveyor belt vulcanizers. The company also now offers EZ Fix Max, a complete conveyor repair kit designed to dramatically extend the life of your conveyor belt.

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Standard Machine

Standard Machine provides complete engineering and manufacturing of gear drives for conveyors, take-up winches, crushers and apron feeders. In addition to custom gear drives, Standard Machine manufactures gearboxes up to 37 ft. for mill applications and provides carburized gearing for every mining need. Standard Machine also manufactures replacement gearing for electric shovels such as crowd pinions, shipper shafts, propel and swing transmissions. Contact Standard Machine and ask for its reverse engineering services, or for its expedited service to reduce downtime along with comprehensive 24-hour customer service for all your particular requests and needs.

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Standard Machine is one of North America’s only complete gear/ machine facilities with a wealth of experience in the requirements of the mining industry. Standard
Motion Metrics uses industry-leading artificial intelligence and machine learning technologies to tackle complex mining challenges. Their safety solutions for detecting missing bucket teeth have led the industry for more than 10 years. Motion Metrics solutions for productivity include optimizing blasting fragmentation, payload monitoring and compliance, and tooth wear prediction. Motion Metrics solutions have a proven track record and have been installed in more than 60 mines and quarries worldwide on more than 300 pieces of mining equipment. Backed by comprehensive customer support, Motion Metrics performs onsite installation and commissioning, training, scheduled maintenance and performance reports with ease. For more information, please visit: www.MotionMetrics.com.

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PROVIX Inc.

Provix supplies advanced video, lighting, RFID and remote control systems that offer enhanced productivity and increased safety for surface and underground operations. Provix can design, build, install and support any type of video camera system, including equipment-based video for remote operation in conjunction with cost-effective remote controls for any type of equipment. Video systems include both cabled and wireless systems for drilling, mucking, hauling, bolting, trammimg and loading pocket and chute operations. Video systems can be set-up for both local and network viewing, as well as wireless in-cab viewing by operators. Provix supplies and integrates rugged LED scene and equipment lighting from the world’s best manufacturers, including Hella, Nordic, VisionX and others. Provix provides RFID proximity detection and radar-based collision avoidance systems that increase safety while providing enhanced productivity, and its solutions are incorporated by many OEM mining suppliers. Contact Provix to discuss your requirements.

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CEMI – Centre for Excellence in Mining Innovation

CEMI – Centre for Excellence in Mining Innovation, is Canada’s expert in mining innovation. CEMI helps solve mining industry challenges by delivering commercially viable innovations to improve heat and rock stress, mine productivity, safety, ore discovery and environmental performance. CEMI’s systematic approach ensures innovations can be implemented and are economically feasible. CEMI helps mining companies achieve better operational performance for a faster return on investment. CEMI engages in cross-sector collaboration with Canadian and global mining companies, universities and colleges, governments and innovative SMEs, within the service and supply sector.

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Golder Associates Ltd.

With an experienced team of more than 1,700 mining consultants operating from more than 150 countries, Golder Mining is known as a leading global brand in mining. As a leading provider of advice and solutions, clients call on Golder Mining for integrated engineering and environmental specialist services in the areas of mine waste management, water management, mine environment and permitting, mining engineering and stability, resources and economic evaluation and closure. Today, Golder Mining provides clients with a more responsive, more knowledgeable, and more efficient business partner.

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SRK Consulting (Canada) Inc.

SRK Consulting is an independent, international practice providing mining and exploration services to mining and exploration companies for the entire life cycle of a mining project, from exploration through to mine closure. Formed in 1974, SRK employs more than 1,400 professionals globally in more than 45 permanent offices on six continents. SRK’s specialists are leaders in fields such as due diligence, feasibility studies, mine waste and water management, permitting, and mine closure. The industry background of many of SRK’s staff members ensures that advice is not only technically sound but thoroughly practical. Among SRK’s clients are many of the world’s major, medium-sized and junior metal and industrial mining houses, exploration companies, financial institutions, construction firms and government departments.

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CEMI helps solve mining industry challenges by delivering commercially viable innovations to improve heat and rock stress, mine productivity, safety, ore discovery and environmental performance. CEMI’s systematic approach ensures innovations can be implemented and are economically feasible. CEMI helps mining companies achieve better operational performance for a faster return on investment. CEMI engages in cross-sector collaboration with Canadian and global mining companies, universities and colleges, governments and innovative SMEs, within the service and supply sector.

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Golder Associates Ltd.

With an experienced team of more than 1,700 mining consultants operating from more than 150 countries, Golder Mining is known as a leading global brand in mining. As a leading provider of advice and solutions, clients call on Golder Mining for integrated engineering and environmental specialist services in the areas of mine waste management, water management, mine environment and permitting, mining engineering and stability, resources and economic evaluation and closure. Today, Golder Mining provides clients with a more responsive, more knowledgeable, and more efficient business partner.

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Ultra-Deep Mining Network (UDMN)

The UDMN is a national business-led NCE network, managed through CEMI, and supported by members of the mining and oil and gas industries, along with the active participation of small- to medium-sized enterprises, industry agencies, research facilities and academia. UDMN aims to become the leading organization in ultra-deep (below 2.5 km) research and innovation, and to solve the challenges that impact resource extraction in these environments. By supporting solution providers capable of creating the industry-needed tools and technologies, UDMN will lead the way in helping ultra-deep mines operate more effectively and safely. The objective of the UDMN is to help the mining industry develop and adopt commercially viable research and development projects that result in the deployment of proven innovative technologies. Through this network there are four strategic themes: rock stress risk reduction; energy reduction; increased mine productivity; and improved human health and effectiveness.

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CORPORATE SOCIAL RESPONSIBILITY

Prospectors & Developers Association of Canada (PDAC)

The Prospectors & Developers Association of Canada (PDAC) is the leading voice of the mineral exploration and development community. With more than 9,000 members around the world in all sectors of the mining industry, PDAC’s mission is to promote a globally responsible, vibrant and sustainable minerals industry. As the trusted representative of the sector, PDAC encourages best practices in technical, operational, environmental, safety and social performance. PDAC is known worldwide for its annual PDAC Convention, regarded as the premier international event for mineral industry professionals. The PDAC Convention has attracted more than 25,000 people from 125 countries in recent years and will next be held March 4–7, 2018, Metro Toronto Convention Centre. Please visit the website shown here.

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TNR Industrial Doors

Tough industrial and commercial roll-up doors

TNR Doors is tough ‘n’ ready for your challenging environments. A Canadian-based company specializing in the manufacturing of industrial and commercial high-performance doors, TNR’s leading products are high-speed rubber roll-up doors. High-performance doors are custom doors and require a knowledgeable workforce and flexible production planning. TNR’s dedicated workforce provides more than 400 years of high-performance door industry experience, and its success is a result of dedicated people working together and having fun. TNR’s ability to be flexible and innovative - in both design and problem solving - is one of its key strengths. TNR products are distributed globally through its dealer network, and its roll-up doors outperform and cost less to operate than traditional rolling steel doors. Repairs are inexpensive and, when impacted, doors can be operational again in a very short time. TNR uses a continuous improvement philosophy and employs lean management techniques to stay on the leading edge of the industry.

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Firwin Corp.

Firwin Corp. manufactures retrofit removable/reusable insulation blankets and permanent insulation systems for complete exhaust systems, including engine-exhaust manifolds, turbochargers, piping, silencers or purifiers. Firwin products are used in numerous industries, including underground and open-pit mining. Input from leading mining companies resulted in two products designed to meet the challenges of the industry: Minewrap®, a unique, innovative, solution-driven line of removable insulation blankets specially designed for the rugged environment and demanding safety standards in mines; and Firwin HC hard-coat insulation, a permanent, high-temperature insulation ideal for limited space applications where the ability to remove insulation is not required. Minewrap® and Firwin HC protect operators from burns, shield fuel lines and cables from heat, reduce ambient heat in confined spaces, reduce the danger of fire when diesel and hydraulic oils spray onto hot piping, and help ensure optimal catalyst pollution burn-off. Where you need proven and superior safety and reliability, choose Firwin.

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MINING FAST FACT: The mining industry’s economic impact goes far beyond its direct contribution to GDP. For instance, mining accounts for approximately $6 billion in expenditure.

> From: Facts & Figures 2018, The Mining Association of Canada
Energold Drilling Group

Energold Drilling is a global drilling contractor with a large fleet of conventional and modular frontier mineral rigs servicing the mining and energy sectors in 25 countries across the Americas, Asia and Africa. Energold explores for major, intermediate and junior mining companies through all stages of exploration, development and production. The company operates a fleet of 226 drill rigs with an experienced staff of more than 900 employees skilled in surface and underground diamond drilling, directional drilling and reverse circulation (RC) drilling. It also provides geotechnical drilling services for mining and mineral exploration companies, engineering and environmental consultants, and government agencies. Key to Orbit Garant Drilling’s position as a leader in the global drilling industry is its in-house capability of designing and manufacturing specialized surface and underground computerized drill rigs to respond to the particular needs of its customers’ drilling projects.

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Atlas Copco Exploration Products

Atlas Copco Exploration Products is a company in the Atlas Copco Group, a global industrial company that develops, manufactures and markets products and services to a wide range of customers and end users. Headquartered in North Bay, Ontario, Atlas Copco Exploration Products specializes in products for the mineral exploration industry. It manufactures a complete range of diamond-core drilling equipment and distributes its products globally. Exporting to major, intermediate and junior mining areas of the world is handled through the network of Atlas Copco local customer centers and independent distributors. Its extensive range of products includes everything from the top of the drill rig to the tip of the bit, and comprises well-known products such as Christensen surface core drills, Diamec underground core drills, In-hole tools, Craelius, Hobie, Excore diamond products and Swellex rock bolts.

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Canun International

Canun Airleg, Stoper, Sinker and Quarry drills, Canun service parts, and the Canun Canpush Screen Pusher. Canun products are manufactured in Canada on modern CNC equipment, which performs all milling, turning and drilling operations. Super-precision grinding provides the high-tolerance finishes and accurate fits that are so critical for today’s mining machines. Every part Canun produces is inspected for consistency and interchangeability. Canun is continually applying new or emerging technology to develop and strengthen its ability to meet market needs. Canun International is ISO 9001:2015 registered.

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Orbit Garant Drilling Services Inc.

Orbit Garant Drilling Inc. is one of Canada’s largest drilling companies, operating across North America, Nunavut, the Arctic, Chile, South America, West Africa and Kazakhstan. It provides services to major, intermediate and junior mining companies through all stages of exploration, development and production. The company operates a fleet of 226 drill rigs with an experienced staff of more than 900 employees skilled in surface and underground diamond drilling, directional drilling and reverse circulation (RC) drilling. It also provides geotechnical drilling services for mining and mineral exploration companies, engineering and environmental consultants, and government agencies. Key to Orbit Garant Drilling’s position as a leader in the global drilling industry is its in-house capability of designing and manufacturing specialized surface and underground computerized drill rigs to respond to the particular needs of its customers’ drilling projects.

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**Foremost**

Foremost designs and manufactures a diverse line of products for mining, water well, construction, and oil and gas applications – specializing in drill rigs, off-road vehicles, reverse circulation drill pipe, drill rod handlers, hydraulic top drives and drill consumables.

Mineral Exploration Series rigs, manufactured with either a track or large tire undercarriage, are designed to minimize ground pressure and to climb extremely steep grades and side slopes.

Foremost’s popular Dual Rotary Drill provides superior overburden drilling where casing hammers and underreamers have been unsuccessful. Cushion Subs protect and prolong top drive bearings, rotary drive, mast assemblies and gear life against both torsional and axial vibrations and shock loading in moderate and extreme drilling conditions. Replacing a friction or non-rotating bushing on the deck of a blast-hole drill without drill modifications, the Rotary Deck Bushing provides stabilization, reduces drill vibrations and friction to drill string components and permits higher rotational speed.

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**Mansour Mining Technologies Inc.**

Mansour Mining Technologies Inc. is a market-leading manufacturer of integrated mining supply products, including ground support, rack-drilling tools, mine ventilation, and smelter and refinery hardware. Mansour Mining Technologies Inc. offers these integral products in order to keep mining operations safe, efficient and profitable. Innovation, quality and around-the-clock global service represent the core values that encompass Mansour Mining Technologies Inc. After 40 years in the mining industry, Mansour Mining Technologies Inc. understands that the key to success is to develop close working relationships with customers. Mansour Mining Technologies Inc. builds these customer relationships from the ground down.

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**Dimatec Inc.**

Dimatec Inc., since the company’s formation in 1988, has specialized in the manufacturing of impregnated, surface-set, TSP-set and PDC-set core bits as well as other related metal-bond “down the hole” tools primarily used by the mineral exploration and geotechnical survey industries. Dimatec uses only the highest quality raw materials and state-of-the-art processing technology to manufacture its products, which have been designed for use in all drilling conditions. Dimatec’s objective is to meet and exceed its customers’ requirements for high performance in-hole drilling equipment. This objective is achieved through an experienced workforce and an ongoing commitment to R&D. Dimatec has implemented and maintains a registered quality management system that is compliant with the ISO 9001:2008 standard and the ISO/TS 29001:2010 specification. Dimatec’s quality objective, through continuous improvement and product development, is to maintain its position as the recognized standard of quality, value and service.

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**MINING FAST FACT:** Internationally, Canada is one of the leading mining countries and one of the largest producers of minerals and metals. The industry accounted for 19% of the value of Canadian goods exports in 2015, selling a diversified array of minerals abroad. Exports of aluminum, copper, gold, iron and steel, iron ore, nickel, silver, uranium, zinc, diamonds, potash, coal and other mineral products ranged from several hundred million to $17.6 billion.

– From: Facts & Figures 2016, The Mining Association of Canada
National Compressed Air

National Compressed Air (NCA) maintains four Canadian manufacturing facilities in Ontario (Mississauga, London, Sudbury) and Alberta (Edmonton), as well as a network of distributors throughout the world. NCA manufactures screw and reciprocating compressor packages for exploration, mining and stationary applications, including diesel, electric, gasoline or hydraulic drive packages for numerous applications. Specialized compressor configurations include man-portable systems, helicopter and aircraft portable systems, deck-mounted PTO compressors for existing drill rigs, two-stage oil flooded screw packages to 500 PSIG, and booster compressors to 5,000 PSIG. Extensive experience with the mining and exploration sectors gives NCA a unique understanding of the design necessary to meet rigorous applications. NCA manufacturing procedures permit design changes to meet specific operating conditions such as high or low ambient temperatures, high elevation, and dimensional and weight restrictions. Additional products include track carriers, mud pump systems, underground and exploration drill rigs, hammers and bits.

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PHQ Global

PHQ Global has been providing pneumatic drill carriers and a wide range of handheld, drifter and diamond-coring drills to mining and exploration since 1985. Quality-certified to ISO 9001:2008, PHQ assembles all machines in Canada. Handheld drills include JOY60, PHQ250 and PHQ2500 jacklegs, stopers, sinkers, and pusher-feed legs, as well as JOY67 mounted quarry drills, stopers, sinkers, and pusher-feed legs, as well as JOY67 mounted quarry drills, screen pushers and football-type lubricators. Long Tom drill jumbos and PHQ3000LHH drill carriers mounting long-hole setups include PHQ36-IR and PHQ3660LC120 drifter drills, screw feeds, centralizers, remote controls and lubricators for blast-hole drilling. Diamond coring drills include JKS Winkle and Pack sack gasoline-powered portable surface drills and JKS Bazooka, VEG and VAG pneumatic-powered underground drills. PHQ also supplies column bars, column clamps, mine jacks, lifting and lowering tools, high-pressure water pumps, mufflers, bits, rods and accessories for diamond drills. In addition, PHQ supplies anti-vibration control handles reducing transmission of harmful vibration from jackleg drills by 60 percent.

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MIRARCO

Established in 1998, MIRARCO (Mining Innovation Rehabilitation and Applied Research Corporation) has been developing innovative solutions for the mining industry and its challenges. MIRARCO is a not-for-profit corporation that operates with support from the private and public sectors. The driving force behind MIRARCO is a dedicated workforce made up of experienced professionals and students at all levels of post-secondary education. Through its unique position as a hybrid organization, combining academic and professional dynamics, MIRARCO helps advance innovative and applied research.

MIRARCO is engaged in five core research domains:
- Geohazard Assessment and Risk Mitigation (GRC)
- Mining Safety Research and Risk Management (MSR)
- Ventilation and Production Optimization (VPO)
- Energy, Renewables and Carbon Management (ERCM)
- Climate Adaptation and Sustainable Communities (OCCIAR)

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Northern Centre for Advanced Technology (NORCAT)

Founded in 1995, the Northern Centre for Advanced Technology (NORCAT) is a leading private, non-profit organization that empowers clients, staff and community partners to drive a culture of productivity, innovation and lifelong learning. Located in Sudbury, Ontario, the NORCAT Centre stands at approximately 70,000 sq. ft. and is home to a health and safety training and development center, entrepreneurial and innovation services, and an incubator and event center. Focused on nurturing and retaining talent and the booming mining sector in Greater Sudbury, NORCAT offers a series of world-class training and development programs to serve the mining, manufacturing, oil and gas, healthcare and construction sectors with an array of top-tier supervisory, productivity, and health and safety programs and services. These programs, developed on customer feedback, government regulations and proven pedagogy models, are recognized as global standards in quality and in achieving sustained learning outcomes.

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Arkbro Industries

Arkbro Industries is a manufacturer and supplier of mining equipment for applications in raise mining, from horizontal drifts and tunnels to inclined and vertical shafts. Arkbro’s proprietary products are Raise Climbers ABI-SE and ABI-SEE. An electric-drive raise climber offers the advantage of faster traveling speeds. Arkbro Industries has designed and manufactured the necessary equipment for new raise mining methods and believes the endurance, performance, technical and safety features of its raise climbers and man lifts surpass all existing machines in the market.

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ADRIA Manufacture Inc.

ADRIA Manufacture Inc. is a premier manufacturer of custom engineered electrical equipment designed for use in mining and industrial applications everywhere. The product list includes electrical substations, portable and mobile, for underground and open pit mines, Industrial and mining switchgear, junction boxes, dewatering substations, customized VFD skids, E-Houses as well as control panels, only to name few. ADRIA’s experienced engineering staff provides customers with solutions that are customized to their needs at a very competitive price. ADRIA’s customer base extends beyond Quebec to the rest of Canada and the world. These long-term customers are a testament to ADRIA’s dedication to quality service, its effective and reliable solutions, as well as the ingenuity of its management and engineering team. ADRIA is a partner you can trust.

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MINING FAST FACT: After four years of declining exploration spending, 2017 has proved to be the break the mining industry has been waiting for. According to data gathered for S&P Global Market Intelligence’s Corporate Exploration Strategies series, budgets by 1,535 companies for nonferrous exploration in 2017 totals US$7.95 billion, a 14% increase over 2016.

- From: “Trends in Exploration Budgets by Stage of Development” by S&P Global Market Intelligence, November 2017
Mine Cable Services Corporation

Mine Cable Services Corporation (MCS) designs and manufactures medium voltage cable connection systems, repair equipment and handling systems, offering a full range of cable couplers, including 5kV, 8kV, 15kV and 25kV, compatible with all couplers of NA design. MCS junction boxes and cable posi-clamp systems have been designed to meet the rigors of mine site environments, including dust and moisture. MCS’ cable vulcanizing systems include Teflon-, and cable posi-clamp systems, repair equipment and Mine Cable Services Corporation ELECTRIC POWER EQUIPMENT full range of cable couplers, rigors of mine site environments, portable, hydraulic and oven repair handling systems, offering a crossover systems and strain relief systems, including dust and moisture. MCS’ jacketing material. Cable handling and safety equipment consists of cable reelers, stands, safety locks, crossover systems and strain relief clamps. With facilities in Canada and a network of distributors in Latin America, Europe and Australia, MCS provides cable connections, repair and handling solutions to clients worldwide.

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Cypher Environmental Ltd.

Cypher Environmental supplies significant cost-saving solutions for better management of access and haul road networks, in the form of 100 percent environmentally friendly dust control and soil stabilization solutions. The products, Dust Stop and EarthZyme, are applicable using standard equipment found at any mine site, and can be used to improve and build existing and new road infrastructure. Both solutions offer lower lifecycle costing than traditional methods. For example, where Dust Stop has been applied to roads to reduce dust emissions, mine water consumption has been reduced by as much as 85 percent and costs reduced accordingly due to less fuel burned to maintain these roads. EarthZyme can be utilized to incorporate the use of marginal engineering inputs to enable the construction of roads at a fraction of the cost of traditional road building methods. Overall, these technologies offer unique solutions to access and haul road management that help reduce operational costs.

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Eco Technologies

Eco Technologies is an environmental services company specializing in custom-designed interventions for harsh industrial environments and low-impact interventions in aquatic settings. Focused on delivering value to its customers across Canada and beyond, Eco Technologies meets the needs of its clients by leveraging years of experience and operational expertise; engaging in creative thinking to put forth innovative solutions; maintaining highly trained and highly efficient staff; implementing dynamic health and safety procedures; and pursuing opportunities to increase efficiencies through applied R&D initiatives. Let Eco Technologies help you better manage your production waste, as well as the water circulating throughout your production cycle, using highly productive and proprietary pumping equipment, jobsite autonomy, dynamic HS&E and risk assessment protocols, and hands-on training procedures. Dredging tailings ponds and industrial lagoons represents a cost-of-doing-business, but Eco Technologies can help you keep costs low while ensuring the job gets done right.

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MINING FAST FACT: The industry directly employs more than 373,000 workers across the country in mineral extraction, smelting, fabrication and manufacturing, and indirectly employs an additional 190,000. Proportionally, the mining industry is also the largest private sector employer of Aboriginal people in Canada and employment is poised to increase.

– From: Facts & Figures 2016, The Mining Association of Canada
Filtrartech

Filtrartech is a manufacturer that offers a wide range of industrial dust control, pneumatic conveying and industrial vacuum cleaning systems and a newly patented Anti-Dust Conveyor Belt Cleaner. Filtrartech offers highly specialized services and equipment that meets the highest industry standards. Filtrartech is attentive to the natural environment and constantly taking steps to provide staff and consequently clients with a safe and secure working environment. Traditionally serving clients throughout Quebec, for the last few years, Filtrartech, together with its strategic partners, has developed new markets covering the rest of Canada, the Americas as well as Chile and other locations. The company has supported customers such as Alcoa, Rio Tinto Alcan/ QIT, Consolidated Thompson, and Cemex. Whether engineering, production, installation, start-up or reconditioning of equipment is concerned, Filtrartech can take on responsibility for all operations related to industrial dust control, industrial vacuum cleaning and pneumatic systems. With the professionalism of the Filtrartech team, you are guaranteed to benefit from cutting-edge technologies designed and developed to increase productivity and environmental efficiency.

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Saskatchewan Research Council

Saskatchewan Research Council (SRC) works with industry clients to develop smart mining solutions for uranium, gold, potash, diamonds, rare earths and base metal mining. SRC provides a wide range of services supporting the full cycle of mining operations: exploration, mine development, mine operation, processing, waste management, decommissioning, and site reclamation. Geoanalytical Laboratories has been providing high-quality analysis to the exploration and mining industry since 1972. Advanced Microanalysis Centre™ adds to the suite of analytical services offered through advanced equipment and techniques such as microprobe, XRF and XRD analysis. Development Engineering assists mining clients in the design, development and integration of electronic and electro-mechanical mining systems and instrumentation. Mineral Processing and Metallurgical Testing Services helps clients improve processing productivity in an environmentally and economically sustainable way. Pipe Flow Technology Centre™ is equipped to enable full-scale physical modeling of the complex pipe flow behavior of slurries and crude oil mixtures.

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SEI Industries Ltd.

SEI Industries Ltd. provides turnkey fuel, water and chemical systems for remote sites. SEI is a world leader in the manufacturing of collapsible fuel tank bladders, secondary containment for spill prevention, and fuel transferring systems. It offers a trio of Arctic, Desert and Jungle King tanks designed for harsh climates anywhere in the world, fuel modules such as its GO-Station that transfers bulk fuels and provides vehicle refueling, and a range of other products for hazardous materials management. SEI’s Arctic King tank meets the new CAN/CSA-B837 national standard for bladders and uses Arctic-Shield material while its berms meet the CAN/ULC-S668-12 secondary containment certification. SEI’s facility in Delta, British Columbia is certified to ISO 9001, 14001 and 18001 and serves corporate, military and government customers worldwide. Consult with one of SEI’s highly experienced product specialists for a custom solution to fit your liquid logistics and environmental product needs.

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Also see Country Interests section for Worldwide.

Brant Corrosion Control

Brant Corrosion Control, a TF Warren Group Company, has more than 30 years of experience in the application of liquid coatings and rubber linings. Well known for applying immersion grade lining systems to the highest quality standards, the company also provides corrosion and abrasion-resistant solutions for the mining industry, as well as many other markets. Being a part of the TF Warren Group of companies, customers are provided with a single-source solution for storage tanks, structural products, and corrosion-resistant protection. Brant Corrosion Control is committed to being the safest, most cost-effective and customer-focused supplier in the industries the company serves. With operations located throughout the globe, the company is well-positioned to deliver unsurpassed service to its domestic and international clients. Visit the company website www.tfwarren.com for more in-depth information on all divisions and capabilities.
Normac Adhesive Products Inc.

Normac Adhesive Products Inc. is a Canadian manufacturer of abrasion- and corrosion-resistant coatings based on sprayable polyurethanes, sprayable polyureas, room temperature castable polyurethanes, grouts/buttles and adhesives/primer. More than 25 years of continuous research and development has enabled Normac to develop and manufacture unique products that have proven themselves worldwide to not only exhibit outstanding wear-and-tear qualities and longevity, but also be user-friendly and safe to work with. The company manufactures its own primer/adhesive systems for bonding all of its products to a wide variety of substrates. Normac is also well known for its 900R and 600R room temperature curing adhesives for rubber/urethane and rubber/urethane-to-steel requirements. Coupled with a strong commitment to engineered solutions and service, Normac can provide that little extra to ensure complete customer satisfaction.

Valley Blades Limited

Valley Blades Limited, ISO 9001:2008 certified, manufactures replacement wearing edges for earth and snow removal equipment, including bulldozers, road graders, loaders, scrapers, excavators and snowplows. These wearing edges are manufactured using computer-assisted technology to rigid specifications that meet or exceed those set by the original equipment manufacturer. Since it began in the early 1960s, Valley Blades Limited has grown into a world supplier of replacement wearing edges and has built a strong dealer network that supplies competitively priced, quality products and reliable service backed by an extensive inventory. Valley Blades Limited manufactures replacement wearing edges for Caterpillar, Komatsu, Deere, Case, Tereq, Volvo and more, and has manufacturing facilities located in Waterloo, Ontario, and Edmonton, Alberta, to serve the mining industry nationwide and customers around the world.

Berba Mining Business Inc.

Berba Mining Business Inc. is a Canadian company that specializes in exporting and importing mining equipment, mining and metallurgical engineering services and minerals. Berba has more than 20 years of experience doing business in the Middle East with a special focus on Iran. The founder and Managing Director of Berba, Hamid Amir Poursaeid, has worked in the Middle East and recently opened a new office in Iran. If you are a mining supplier of products and/or services interested in doing business in the Middle East, and now Iran, Berba is an excellent conduit to access and conduct business opportunities in the area. With its expert knowledge, as well as the depth and breadth contacts of the area, your company can enter and/or grow this market using Berba as an effective outsourcing strategy while minimizing costs and resources. Berba’s independent services add significant value to its customers’ operations and ensure business sustainability.

Export Development Canada

Export Development Canada (EDC) is Canada’s official export credit agency, offering innovative solutions to help Canadian exporters and investors expand their international business. EDC has participated in international mining projects worth more than $7 billion over the past five years. EDC’s country expertise and knowledge of political and commercial risks has enabled it to be a major player in complex mining transactions such as CODELCO (Chile), EGA (Middle East) and AngloAmerican (Africa). EDC can provide insurance coverage to ensure you get paid, offer financing to your buyers; protect your investments against political risks; and work with your bank to provide you with additional cash flow. If you would like to learn more, please visit the website.

MINING FAST FACT: While budgets for all stages of exploration have registered double-digit percentage increases in 2017, mine site allocations have risen the most, in both percentage (18%) and dollar (US$454.8 million) terms, and have taken top place in dollar amount and share (37%) of the global budget for the first time ever.

Fireball Equipment Ltd.

Fireball Equipment Ltd. reduces operating costs by speeding up the haul truck refueling process, capturing valuable data from oil consumption, analyzing it and using it to predict and prevent haul truck breakdowns. Fireball Equipment Ltd. is based in Edmonton, Alberta, and most of the company’s customers are open-pit and underground mines in Canada. Fireball has international experience and is open to working with mines and EPCMs anywhere in the world. The company provides training and support with its technicians, through local companies or directly to the owner. Fireball designs and builds infrastructure for handling fuels and lubricants at mines. Handling includes offloading, storage, dispensing and all related control systems. The fluids include gasoline, diesel, lube oils, greases, coolant, DEF and waste oil. For new mines, Fireball ensures the fluid systems fit and work well together. For existing mines, the company has pre-designed modules to allow flexible, rapid design. The Fireball Smart Fuel Island is a unique new control system. It uses the data collected to speed up the refueling, and to predict and prevent haul truck failures. It also standardizes and enforces the refueling process to ensure safety and efficiency. Mining companies deal with Fireball because it specializes in handling fuel and lubricants. They like that Fireball can handle the engineering, project management, construction and commissioning.

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SEI Industries Ltd.

SEI Industries Ltd. provides turnkey fuel, water and chemical systems for remote sites. SEI is a world leader in the manufacturing of collapsible fuel tank bladders, secondary containment for spill prevention, and fuel transferring systems. It offers a trio of Arctic, Desert and Jungle King tanks designed for harsh climates anywhere in the world, fuel modules such as its GO-Station that transfers bulk fuels and provides vehicle refueling, and a range of other products for hazardous materials management. SEI’s Arctic King tank meets the new CAN/CSA-B837 national standard for bladders and uses Arctic-Shield material while its berms meet the CAN/ULC-S668-12 secondary containment certification. SEI’s facility in Delta, British Columbia, is certified to ISO 9001, 14001 and 18001 and serves corporate, military and government customers worldwide. Consult with one of SEI’s highly experienced product specialists for a custom solution to fit your liquid logistics and environmental product needs.

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EDC can help you get the financing you need.

Trying to grow your international sales but running into a cash crunch? Export Development Canada (EDC) can help address 10 common cashflow challenges by providing your financial institution with up to $10 million in total guarantees. This can give your financial institution the confidence to give you the financing you need to manage work-in-progress costs, buy equipment, open an office outside of Canada and more.

Learn more at edc.ca/growth
GEM Systems

GEM Systems is a world leader in high-precision magnetometers for mineral and oil exploration, environmental, UXO applications and earthquake research. GEM Systems pioneered the most precise potassium magnetometer and the high-speed Overhauser. Ground systems include magnetometers and gradiometers available in walking mode and featuring integrated GPS and optional VLF EM for shallow resistivity mapping. Airborne systems include magnetometer and VLF sensors and towed bird systems for single sensor and gradiometer applications. Earth monitoring systems include the didD vector magnetometer for measuring precise changes in earth declination and inclination, and the Super Gradiometer for measuring very subtle gradient field changes. UAV solutions include the ultra-lightweight potassium high-precision UAV magnetometer and lightweight Airbird towed system for magnetometer surveys from drones and a fixed-wing gradiometer UAV. GEM also manufactures a stabilized magnetic field system for experimentation and calibration. Systems are tunable, reliable, available with various options and configurations and a three-year warranty.

Instrumentation GDD Inc.

Since 1976, Instrumentation GDD Inc. has manufactured, sold, rented and developed innovative and dependable geophysical instruments for exploration and mining. For induced polarization or resistivity surveys, the 32-channel IP Receiver, the GR68m and any of the company’s 1800W-3600W-5000W/2400V IP Transmitters (up to 10kW/4,800V-20A). The innovative Sample Core IP Tester (SCIP) measures full wave electrical properties (IP/resistivity) of core samples and down-hole. The handheld MPP probe and new MPP3WiFi instantaneously record conductivity and magnetic susceptibility of drill cores, rock samples, outcrops... The Bleep Mat, with GPS, samples grounds to detect and localize sulphides, gossans or floats to 3m below the surface. The SSW-EM Probe logs blast holes outlining ore limits before selectively loading explosives. The NordicEMX, a 24-bit/8-channel EM Receiver, tested successfully with SQUIIDs and coils, now comes with the new EM-IP Tx Controller, also allowing GPS synchronization for IP surveys and records real-time current. EM and IP post-processing software enhancing survey results is also available.

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www.gdd.ca

Terraplus Inc.

One of the world’s largest suppliers of geophysical instruments, Terraplus offers a vast selection also allow you to reduce shipping and training costs by consolidating purchases with one experienced source: Terraplus.

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Phoenix Geophysics Ltd.

Since 1975, Phoenix Geophysics has provided instrumentation and services to clients in more than 75 countries and has carried out surveys for many of the world’s largest mining companies. Phoenix specializes in broadband magnetotellurics (MT/AMT/BMT) and other electromagnetic techniques, which identify subsurface anomalies that can signal the presence of metals and diamond-bearing kimberlites. High-sensitivity phase IP was instrumental in mapping anomalies associated with the Hemlo gold ore body in the 1980s. Recent Phoenix surveys detected ore bodies deeper than 1,000m but costing no more than for shallow investigations. The Phoenix line of transmitters provides users with flexible current-source solutions and a range of power outputs. Phoenix’s time-domain and frequency-domain transmitter, the TXU-30, is a reliable, stable, high-power-output EM solution, delivering up to 60 amperes in loops of sq-km area. It is a proven success in Canada and other countries.

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ConMICO Inc.

ConMICO Inc. of Concord, Ontario with more than 54 years of experience, has expertise in the utilization of high-pressure water systems for mining applications with pressures up to 50,000 psi and up to 1,200 hp. Applications for jet-boring and hydro-fracturing of hard rock are very successful. As a result, ConMICO can engineer a solution to fit many needs. Other products include durable, lightweight grouting and cement-injection plants for use in soil consolidation, grout jetting to 10,000 psi, pile formation, tunnel forming and repairs, forming water curtains, backfilling, roof bolting and grouting of cracks in tunnels and mine shafts. For pump systems, ConMICO manufactures high-speed colloidal mixers, double-drum mixers and agitators, as well as long-lasting, well-designed packers, valves and certified high-pressure fittings. Wet and dry shotcrete systems and dependable concrete pumps are also available.

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Ground support systems you can build on.

Mansour Mining Technologies Inc.

Mansour Mining Technologies Inc. is a market-leading manufacturer of integrated mining supply products, including ground support, rock-drilling tools, mine ventilation, and smelter and refinery hardware. Mansour Mining Technologies Inc. offers these integral products in order to keep mining operations safe, efficient and profitable. Innovation, quality and around-the-clock global service represent the core values that encompass Mansour Mining Technologies Inc. After 40 years in the mining industry, Mansour Mining Technologies Inc. understands that the key to success is to develop close working relationships with customers. Mansour Mining Technologies Inc. builds these customer relationships from the ground down.

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WORLD CLASS MARKET INTELLIGENCE AND ADVICE:

SNL Metals & Mining is the most trusted source of global mining information and analysis with more than three decades of providing global insights and intelligence. MSTA CANADA has a strategic relationship with SNL Metals & Mining which permits us to share certain data from their robust database that includes key information on projects and operations in the mining sector around the world. This allows our members to quickly compile information to identify potential opportunities. In addition, our very experienced team can provide advice and assist you with any questions you have about getting your company started in a new market or penetrating an existing market.

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Crone Geophysics & Exploration Ltd.

Crone Geophysics & Exploration Ltd. provides worldwide geophysical surveys and manufactures PULSE EM equipment – the leading time-domain electromagnetic (TDEM) system for surface and borehole mineral exploration. A staff of experienced operators, geophysicists and manufacturing personnel delivers top-quality survey design, data collection, processing, and interpretation with an unmatched level of support from the people who built the equipment. Crews are trained extensively to safely and efficiently collect high-quality data under difficult conditions, anywhere in the world. Since 1962, Crone has had a proud record of detecting and pinpointing conductors at great distances from boreholes and from surfaces, and new tools such as the Step Response transformation, SQUID and fluxgate sensors, sensor arrays, full-waveform recording and higher transmitter power have added to that success story. Significant cost savings in the exploration for base metals, gold, uranium, diamonds and other minerals can therefore be realized with Crone’s leading-edge geophysical instrumentation and services.

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**Horne Conveyance Safety**

Horne Conveyance Safety is an innovative company that offers cutting-edge solutions in the mining and conveyance industry. They have a strong commitment to safety and efficiency, providing services that address the needs of various mining projects. Their expertise is in the application of specific grouting technologies involving chemical and cement grouts, specialized equipment and accessories as required in overcoming difficult underground mining conditions. Their services range from onsite training and instruction of grouting fundamentals to providing your crew with water control capabilities. For a summary of their services, please visit their website at www.multiurethanes.com or email them at annelea@hornecs.com.

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  - [groutingspecialist.com/projects/mining](http://groutingspecialist.com/projects/mining)

**Hepburn Engineering Inc.**

Hepburn Engineering Inc. is a leading provider of hoisting systems for applications from shaft sinking to the largest production requirements: single drum, double drum, Blair, friction (Koepe) hoisting plants with integrated electrical controls, digital drives, safety monitors, PLC-based operating systems and the powerful Hepburn Hoist Manager software. Hepburn Hoist Manager software provides web-accessible, real-time hoist status and production reporting, and fully integrated hoisting solutions with single-source responsibility. Hepburn Engineering Inc. offers comprehensive solutions with single-source responsibility. They have an extensive installed base of hoisting systems, with a focus on safety and productivity. Their hoisting systems are designed for maximum reliability and comfort while providing secondary power options for RFID and Wi-Fi tags.

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**Northern Light Technologies Inc.**

Northern Light Technologies (NLT) delivers innovative technologies to the mining industry, focusing on improving operational efficiency, safety, and profitability. They offer powerful applications such as personnel and asset tracking, voice/text communication, video and security, environmental monitoring, and automation. NLT excels at delivering turnkey design, manufacturing, fit-for-purpose deployment and support of scalable connectivity technologies. Their solutions are designed for maximum light output, reliability and comfort while providing secondary power options for RFID and Wi-Fi tags.

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Rotesco Inc.

Rotesco Inc. manufactures the Magnetester, a dual-functioning, electromagnetic, steel-wire rope-testing instrument. The Magnetester simultaneously indicates local faults (deterioration) in the form of broken wires, corrosion pitting, external wear, inter-strand wear and nicking, and rope distortion, while also measuring loss of metallic cross-sectional area caused by corrosion, broken wires, wear and local faults. The loss of metallic cross-section, combined with the extent and nature of the local fault trace, can be used to help determine when a rope has reached the end of its safe working life and should be removed. It can also be used to estimate the loss of breaking strength of a rope. Rotesco has been offering steel-wire rope-testing services for more than 22 years and has one of the most extensive testing services in the world.

Generation 2 Filtration™ (G2F) has been doing international business for more than 22 years. An ISO 9001:2015 certified company with a special focus on innovative products intended to decrease operating costs, maintenance costs and downtime – and extend management options with the G2F product line – Generation 2 Filtration™ is registered in NATO’s military catalogue with associated NATO stock numbers.

Its products offer multiple benefits:
- cutting costs; having a positive environmental impact; extending oil drain intervals; removing contamination down to one micron; and removing water for all types of oils. Generation 2 Filtration™ products are applicable for mining equipment, construction, industry, transportation and more, whether it is hydraulic, engine, thermal, transmission or gear oils – basically any oil that needs filtering to protect and prolong the life of the asset.
- Generation 2 Filtration™ is the proactive solution to benefit the end user and the environment.

HOWE&WYE

HOWE&WYE is an independent firm specializing in strategic planning, public affairs, communications and stakeholder engagement for key sectors, including mineral exploration and mining. In a real-time world of business, demands are high and there are no do-overs. An ever-changing political and media landscape presents tremendous opportunity. To advocate for your brand, your messages must be razor sharp and your stakeholders clearly identified. HOWE&WYE uses integrated communications strategies to grow brands and overcome obstacles, offering an optimized pricing structure that creates competitive access to top-tier public relations, communications, strategic planning and public affairs services. The HOWE&WYE team offers a wide breadth of experience and believes effective communications are a result of strong relationships and deep insights about your stakeholders. Creativity is needed to engage and educate your audience, and successful communication drives the bottom line. Contact HOWE&WYE to find out more about how its team can help you succeed.

InfoMine

InfoMine is your online mining and mineral exploration community, providing information on worldwide activities and a means to interact with your colleagues via a suite of media sites. Get all the project facts, find out in which companies to invest, find that perfect job, hire staff, contract a supplier, hire a consultant, buy equipment, expand your knowledge, take courses, evaluate mine costs, download technical papers, attend events… it’s all on InfoMine. Delivering multilingual information via a suite of focused websites to more than one million unique visitors every month, InfoMine is also a great place to get your message out. Put your product, service or investment opportunity in front of InfoMine’s worldwide mining and mineral exploration audience.
AIL MINING

AIL MINING is a world leader in efficient mine infrastructure solutions in structural plate and MSE wall systems for heavy-haul road and rail arches, MSE crusher walls and retaining walls, stockpile, conveyor and escape tunnels and portals, vertical shafts and structural tunnel liner, bridges and drainage structures. Custom, value-engineered solutions from AIL MINING have been supporting many of the world’s most successful mine sites for more than 40 years. By design, solutions ship and install easily, making AIL MINING’s systems ideal for remote locations. To ensure your project’s success, AIL MINING’s in-house engineering teams will work with you through the entire project cycle—providing engineering support, interpreting drawings, advising on specifications, and supervising installations. Save time and money on mine site infrastructure. Talk to the mine infrastructure experts at AIL. They’re big on mining.

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S&P Global Market Intelligence

S&P Global Market Intelligence integrates financial and industry data, research and news into tools that help track performance, generate alpha, identify investment ideas, understand competitive and industry dynamics, perform valuation and assess risk. Additionally, SNI Metals & Mining’s database offers the industry’s only complete source of global exploration budget details, in-depth reserves replacement analysis and other proprietary reports, as well as profiles on more than 36,000 mines and more than 12,000 mining companies, available in a single online platform. S&P Global Market Intelligence is a division of S&P Global (NYSE: SPGI), which provides essential intelligence for individuals, companies and governments to make decisions with confidence.

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Technosub

There are many pump companies, but very few understand the mining industry and the many challenges mines are facing when it comes to pumping applications. Technosub understands these needs. Over the past 30 years, more than 70 percent of all mining companies in Canada have put their trust in Technosub because they know they can rely on its expertise to cope with the challenges that arise from dewatering. It’s how Technosub has made its name, by providing reliable engineering dewatering solutions and turnkey projects to the mines. As the sole Canadian distributor for the famous Tsurumi submersible pumps, Technosub manufactures Technojet high-pressure multistage pumps and VT-SS vertical turbine pumps along with its complete selection of pumps specifically made for the mining industry.

In addition to offering effective mining pumps and dewatering solutions, Technosub provides the fastest repair service and equipment delivery in the industry.

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Armtect

Armtect Limited Partnership

Armtect is a leading manufacturer and distributor of steel and high-density polyethylene construction products for the mining, infrastructure, natural resource and municipal markets in Canada and around the world. Many facilities are ISO 9001:2000 certified, which, together with its range of products, allows Armtect’s experienced and technically trained salesforce and engineering department to provide customers with cost-effective, efficient solutions to meet their project needs. Armtect-engineered solutions and products are designed for the specialized needs of today’s mines, including site development, material handling and mining operations. Products include corrugated HDPE pipe for mine dewatering, heap leach collection and drainage; corrugated steel haul road bridges; mine portals; culverts; stockpile, reclaim and conveyor tunnels; liner plates for soft ground, drift protection, raise bore and vertical shafts; and geotextiles for environmental protection, slope reinforcement and soil stabilization.

Since 1908, Armtect has offered the industry innovative products, as relevant today as 100 years ago.

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MINING FAST FACT: Mining also accounts for a sizeable amount of the value of Canadian exports moved by ship to international markets. According to Transportation in Canada (2015), Canada transported $167.8 billion in industrial exports by ship to non-U.S. countries in 2015. Of that, base metals ($16.2 billion), metallic ores ($9.3 billion), and non-metallic minerals, coal and stone ($6.8 billion) were the most valuable mining products.

– From: Facts & Figures 2016, The Mining Association of Canada
American Biltrite

For premium equipment protection in the toughest mining application, insist on Dura-Shield abrasion-resistant rubber from American Biltrite. The latest addition to the Dura-Shield family, Dura-Shield A+ is a premium lining material that ensures surface protection against corrosion plus abrasion for machinery and equipment and is simply the most abrasion-resistant rubber in heavy-duty equipment applications where abrasion resistance is critical: linings, skirting, pulley lagging, skidder screens and conveyor idlers. Sandblast curtains. Dura-Shield is available in 40- and 60-durometer versions – most with bonding layers.

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www.american-biltrite.com

Fabrithane Industrial Products Inc.

For more than 50 years, Fabrithane Industrial Products Inc. has manufactured cast-urethane wear parts for the mining, construction, forestry, pulp and paper industries. Some of the parts manufactured and relined by Fabrithane include pump and flotation parts such as Denver, Flyght, Galigher, Outokumpu, SRL and Wemco; jumbo drill parts like centralizer bushings, stinger pads, slide rails, wear pads, hose reels, etc.; and conveyor parts that include belt scrapers, skirting, guide rollers, cable belt wheels, pulleys, idler wheels, chute liners, cyclone parts, head liners, cover plates, vortex finders and apex liners. With in-house design, tooling and mould manufacturing, Fabrithane can custom manufacture urethane parts to suit all customers’ needs.

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Fournier Industries Inc.

Established in 1969, Fournier Industries Inc. is recognized for its expertise in the mining industry. The company’s skilled staff and ongoing development of products and services have allowed Fournier Industries to offer the same knowledge in many diversified fields such as bulk material handling, hydroelectricity, aluminum smelters, industrial, pulp and paper, and custom-built equipment. Combining decades of technical expertise, Fournier Industries successfully offers tailored solutions and turnkey projects from design to field installation.

Heath & Sherwood

Heath & Sherwood has been a supplier of quality products to the mining industry since 1927. The company is known for close contact with customers and prides itself on client service that adapts the product line to specific customer needs. Heath & Sherwood supplies a complete line of standard and custom-designed samplers used for feeding process control analyzers, metallurgical samplers used for feeding process control requirements. A variety of samplers for pipes (gravity control) is available. When following good sampling, profits are protected within the process. Also in the product line is smelter equipment, including the Gaspe Puncher, Gaspe, Tuyere Automation Systems, Tuyère Silencers, Tuyère Pyrometers and Tuyère Line Refractory Drills. Used in most copper and nickel smelters, Heath & Sherwood’s smelting equipment helps customers maximize their smelter process with quick payback. The company is headquartered in Kirkland Lake, Ontario, with technical support in Mississauga, Ontario.

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McCloskey International Ltd.

McCloskey International Ltd. leads the screening and crushing industry with a complete line of equipment including crushers, vibrating screeners, trommels and stacking conveyors. Built with power and durability as standards, every product is field-tested before being deployed through a global network of dealers into a wide range of industries, which include mining, quarries, aggregates processing, road building, construction and demolition, waste recycling, compost screening and wood recycling. Since 1985, McCloskey International has stayed ahead of its competition by listening to its customers and this feedback continues to motivate the McCloskey engineering team to design and build equipment that exceeds industry standards.

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Montreal Tractor Inc.

Montreal Tractor Inc. is celebrating its 35th year as a distributor of heavy equipment, components and parts for the construction, mining and forestry industries. Product lines represented are Roadtec, Gomaco, Midland and Minnich. Montrac Crushing Systems, a division of Montreal Tractor, distributes Hazemag, Deister and Thor telescoping conveyors, Polydeck screen media, Minyu crushers, RD Olson Mfg, Eagle, CEMCO and TC1 high frequency screens. Montrac offers clients a full range of services from crusher sales, parts and specialized services, including the development of custom plants and turnkey projects.

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Megatraction Equipment Inc.

Megatraction Equipment Inc. (MEI) has brought the mining industry the only patented heavy lifting system designed for undecking mine shovels. MEGALIFTER® is set up in one shift and lifts any size electric shovel or hydraulic excavator. The system is based on a patented twin-jack design offering 100 percent redundancy for maximum safety and can be custom configured for any shovel fleet. MEI is developing a suite of heavy lifting tools to make a difficult maintenance job safer, faster and easier, including its SYNCHRO®, which allows the car body to be lifted along with the upper deck for roller and side frame maintenance on both sides simultaneously, and the TRACTOLIFTER®, MEI’s newest lifting system for dozers. With sales in North and South America and Africa, MEI has established a global presence in an important niche market in the mining industry. MEI makes custom equipment and also leases lifting equipment to any location globally.

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McCloskey International has been a supplier of quality products to the mining industry since 1927. The company is known for close contact with customers and prides itself on client service that adapts the product line to specific customer needs. Heath & Sherwood supplies a complete line of standard and custom-designed samplers used for feeding process control analyzers, metallurgical accounting and inventory control requirements. A variety of samplers for pipes (gravity or pressurized flow), high-flow launders, conveyors, chutes and bulk containers is available. When following good sampling, profits are protected within the process. Also in the product line is smelter equipment, including the Gaspe Puncher, Gaspe, Tuyere Automation Systems, Tuyère Silencers, Tuyère Pyrometers and Tuyère Line Refractory Drills. Used in most copper and nickel smelters, Heath & Sherwood’s smelting equipment helps customers maximize their smelter process with quick payback. The company is headquartered in Kirkland Lake, Ontario, with technical support in Mississauga, Ontario.

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P.R. Engineering Limited

P.R. Engineering Limited specializes in slurry hoses, transfer hoses, and chemical resistant hoses. They are know for their commitment to quality and ensuring each crusher has been restored to minimal downtime during fabrication and rebuilds. They pride themselves on their commitment to quality, and ensuring each crusher has been restored to minimal downtime during fabrication and rebuilds. They are known for their commitment to quality and ensuring each crusher has been restored to minimal downtime during fabrication and rebuilds.

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NovAFlex Group

NovAFlex Group specializes in ultra abrasion resistant mining and aggregate slurry hoses, as well as petro-chemical fluid hoses and HDC dry-disconnect couplings for safe transfer of hazardous fluids.

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Polycorp Ltd.

Polycorp Ltd. is an ISO 9001 company that manufactures high pressure moulded rubber mill liners, uncured sheeting and rail seal extrusions for the mining and transportation industries. Polycorp mill liners are engineered to optimize mill power draw, improved mill throughput and grinding to reduce cost per ton of ore ground. Polycorp services the mining industry with global service support.

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Polycorp Protective Linings designs and manufactures elastomeric linings for corrosion and abrasion protection of steel and concrete substrates for use in the chemical, transportation, mining, storage, water treatment and related equipment industries. Polycorp products are used around the world in various industries, including the phosphoric acid and fertilizer industries.

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The Mining Industry is one of the country’s most important economic sectors and among the largest employers in Canada. Each of us relies upon it to support our daily lives and to keep the economy humming. Still, P.R. Engineering President Linda Grieco is regularly asked, “Mining. Do they still do that?” Her response: “If it doesn’t come from the earth – if it isn’t grown and it’s not mined – there are no products. Every single thing in your office and home comes from the earth somehow” In fact, minerals and metals are the building blocks of computers and smartphones, vehicles and public transit, the buildings where we live and work, and green technologies that help make the world a more sustainable place, the Mining Association of Canada reports.
**Tega Industries Canada Inc.**

Tega Industries Canada Inc., an ISO 9002 certified company, specializes in designing, manufacturing and supplying solutions for wear and separation of ores in the mining, mineral processing, material handling and aggregate industries. Tega is a total solutions provider for wear and abrasion problems. Products include Rubber/PM mill linings for AG, SAG, primary, secondary, rod, ball and pebble grind mills; screen media made of rubber and polyurethane; wear pads for chutes, bins, hoppers and other transfer and loading points; spillage control systems for conveyors; wear components for conveyors like slider bars and beds, pulley lagging, belt scrapers, idlers and pulleys; and hydrocyclones for mineral separation. Tega’s expertise lies in assessing the problem, designing an effective system, recommending a solution and monitoring performance to improve the efficiency of its installed products. Tega has its products installed in more than 72 countries with sales offices in 12 of them.

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www.tegaindustries.com

**Westpro Machinery Inc.**

Westpro Machinery Inc. is an innovative Canadian mineral processing technology company with more than 30 years of experience in the mining, wastewater and aggregate industries. As a result of an unwavering focus on quality and customer satisfaction, Westpro’s equipment is renowned worldwide for robust construction, reliability and high performance. From crushing systems, grinding mills, flotation machines, agglomerators, lime slaking systems, flocculant dosing systems to thickeners, Westpro can be your partner for the life cycle of the machinery. Globally focused, Westpro has installations in more than 20 countries such as Canada, Chile, Guatemala, Guyana, Indonesia, Mali, Mexico, Nigeria, Peru, the Philippines, Russia, Saudi Arabia, Spain, Suriname, Turkey and the United States. Please contact Westpro today, Your Process Technology Partner. Por favor contacte a WESTPRO, su aliado en Tecnología de Procesos.

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**Tramac Equipment Ltd.**

Tramac Equipment Ltd. has manufactured rock breaker boom systems for the crushed stone and mining industries for more than 30 years. Used in large dump pockets, the rock breaker systems have high-capacity gyrotary crushers, carrying hammers up to 15,000 ft.lbs., and horizontal reach measurements exceeding 20m. Tramac has models that are either off-the-shelf or customized through complex assembly, creating modern options and accessories for diverse applications, including telescoping, wheel loader scoop booms and unique hydraulic articulating arm systems. Tramac Equipment also supplies boom lengths from 12 ft. to 67 ft. Its TR series booms are custom-made to individual site requirements. For many applications, mounting towers and platforms are necessary. Such towers are available from Tramac and are designed and built to the individual needs of the user. For your next project, contact Tramac Equipment for personalized service.

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**Precisioneering DKG Corp.**

Precisioneering DKG Corp. designs and manufactures corrosion-resistant, engineered fiberglass equipment. Standard products include fiberglass pollution-control scrubbers, ventilation systems (fans, ducting and stacks), tanks, brine makers, gratings, platforms, walkways and ladders. Customers continually challenge Precisioneering with their most difficult process-engineering problems because they have learned that Precisioneering’s results are innovative, cost-effective and long-lasting. They also find the company to be flexible, responsive, and highly reliable in meeting deadlines. Precisioneering has successfully supplied the mining industry in North America since 1964. The company’s five engineers have more than 100 years of combined engineering experience in the mining industry. A dedicated quality control manager maintains tightly controlled, documented, quality systems, while a stable, long-term workforce ensures high-quality fabrication. Precisioneering is part of Group DKG, a rapidly growing global fiberglass equipment manufacturer with plants in the U.S. and Canada.

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Saskatchewan Research Council

Saskatchewan Research Council (SRC) works with industry clients to develop smart mining solutions for uranium, gold, potash, diamonds, rare earths and base metal mining. SRC provides a wide range of services supporting the full cycle of mining operations: exploration, mine development, mine operation, processing, waste management, decommissioning and site reclamation. Geoanalytical Laboratories has been providing high-quality analysis to the exploration and mining industry since 1972. Advanced Microanalysis Centre™ adds to the suite of analytical services offered through advanced equipment and techniques such as microprobe, XRF and XRD analysis. Development Engineering assists mining clients in the design, development and integration of electronic and electromechanical mining systems and instrumentation. Mineral Processing and Metallurgical Testing Services helps clients improve processing productivity in an environmentally and economically sustainable way. Pipe Flow Technology Centre™ is equipped to enable full-scale physical modeling of the complex pipe flow behavior of slurries and crude oil mixtures.

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COREM

COREM is the largest organization in Canada totally devoted to mineral processing R&D. Recognized as a world-class organization, COREM provides a wide range of mineral processing and analytical services to companies that explore and develop ore bodies, and transform or recycle mineral substances. Its highly qualified staff of more than 120 employees can carry out the most complex research projects, complete flow-sheet development, pilot testing and ore characterization for its members and all mining companies worldwide. Fields of expertise include comminution, physical separation, flotation, extractive metallurgy, pelletizing, thermal processes and mineraloggy. COREM’s pilot plant is unique in Canada for its size and diversity of equipment. Its analysis and characterization laboratories have an impressive range of instruments (MLA, ICP, XRD, XRF, SEM, etc.). COREM is also an international leader in the development of iron-ore products and processes, including beneficiation, pelletizing and characterization. For more details, visit COREM’s website.

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P.R. Engineering Limited

For 50 years, P.R. Engineering has excelled in the engineering innovation, manufacturing and servicing of rock crushers for mining. Its outstanding reputation for customer care and providing expedient and quality service is well-known in the industry, and is a source of pride for P.R. Engineering staff. This is evident in the company’s commitment to ensuring minimal downtime for customers and the fact that each crusher that leaves its facility is engineered or restored to factory specifications. In addition to service quality, P.R. Engineering is proud of its fabrication achievements, including the long-lasting Birdsboro Buchanan line of crushers and its PREMAC-1 line of mobile access crushers for prospecting/exploration and lab environments. As a full machining and fabrication centre for all large components, P.R. Engineering looks forward to providing the mining industry with dependable, well-manufactured rock crushers and crushing solutions for another 50 years.

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DMC Mining Services

DMC Mining Services (DMC) is one of North America’s premier mining contractors. With one of the lowest incident/accident frequency rates in the industry, DMC has been called upon by many leading mining companies to fill critical roles in their success. Since 1980, the company has delivered a comprehensive list of mining services, ranging from shaft sinking and raise boring to full mine development and operation. DMC’s extensive mining services have been successfully applied at large-scale mining sites for gold, nickel, copper, potash, zinc and other metals and minerals. DMC’s dedicated team of professional engineers, miners and support staff is ready to tackle your challenges.

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Accutron Instruments Inc.

Accutron Instruments Inc. has led the underground mining community with ultrasonic time-of-flight ventilation monitoring since 1993, and continues to advance their technologies, for all ventilation-dependent industries. Accutron’s ultrasonic technology continues to be the most-effective and reliable solution for continuous monitoring of air movement in mines, tunnels and other industrial venues. Accutron’s FlowTrax will continually monitor airflow with great accuracy, by using ultrasonic technologies with patent pending J Filter technologies, for turbulent flow applications. Accutron’s MAQS, the “Mine Air Quality System,” has integrated probes to measure relative humidity, temperature and biometric pressure, while still providing accurate airflow monitoring. As the Canadian distributors for Trolex, Accutron also bundles these devices to offer total air quality monitoring. Accutron products incorporate gas and dust monitoring systems, for a whole atmospheric monitoring station to suit your every need. Visit the company website to see its new DMP reader from Pinsar with continuous 24/7 monitoring.

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RST Instruments Ltd.

Since 1977, RST Instruments Ltd. has established itself as a world leader in the manufacturing and distribution of innovative geotechnical, mining, environmental and structural monitoring equipment. RST’s instruments are generally related to the measurement and monitoring of soil, rock, groundwater and geohazards. RST’s products include borehole packers, inclinometer systems/casing, extensometers, tilt meters, strain gauges, pressure cells, lead cells, data loggers, groundwater monitoring systems and other specialized instruments for mining. RST takes much pride in being able to provide custom-engineered solutions to site-specific problems. RST has developed a proven track record for quality, long-term stability and product reliability. Its 40,000 sq.-ft. modern production facility incorporates CAD, CAM and CNC manufacturing techniques that assure high-quality instrumentation at a reasonable cost and with timely delivery. RST is dedicated to offering exceptional geotechnical instruments with unmatched technical support. Committed to quality and satisfaction, the RST Instruments Ltd. Management System is certified ISO 9001.

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Progesys

Progesys is a world leader in the commissioning of industrial plants, project management and specialized engineering services, with six offices worldwide. Progesys provides an array of services to the mining and metals, oil and gas, aluminum and energy industries, and has a proven track record of success in leading and managing all aspects of industrial projects. Having commissioned more than 100 facilities in more than 25 countries, Progesys ensures operability in terms of performance, reliability, safety and information traceability, starting plants on time and within budget, maximizing client return. Commissioning experts plan and execute the transition and ramp-up phase with proven methodologies, tools and experienced resources, resulting in a structured handover of systems to operations. Project management experts oversee owner projects as an extension of staff or act on behalf of owners to monitor and execute projects. Progesys helps clients worldwide get it right from the start.

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MINING ENGINEERING & CONTRACTING MINING INSTRUMENTATION
Saskatchewan Research Council

Saskatchewan Research Council (SRC) works with industry clients to develop smart mining solutions for uranium, gold, potash, diamonds, rare earths and base metal mining. SRC provides a wide range of services supporting the full cycle of mining operations: exploration, mine development, mine operation, processing, waste management, decommissioning and site reclamation. Geoenvironmental Laboratories has been providing high-quality analysis to the exploration and mining industry since 1972. Advanced Microanalysis Centre™ adds to the suite of analytical services offered through advanced equipment and techniques such as microprobe, XRF and XRD analysis. Development Engineering assists mining clients in the design, development and integration of electronic and electro-mechanical mining systems and instrumentation. Mineral Processing and Metallurgical Testing Services helps clients improve processing productivity in an environmentally and economically sustainable way. Pipe Flow Technology Centre™ is equipped to enable full-scale physical modeling of the complex pipe flow behavior of slurries and crude oil mixtures.

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Teledyne Optech

Teledyne Optech is widely recognized in the mining and exploration communities for its technological depth in terrestrial lidar and related technologies. Developed for underground mining environments, the Cavity Mapping System (CMS) quickly collects thousands of accurately located points to determine a cavity’s size, orientation and volume, and to create detailed 3D CAD drawings. The V500 model includes a unique integrated camera capable of image and video capture, adding new inspection features to the CMS. The Polaris terrestrial laser scanner is especially useful in open-pit mines where accurate ranging capabilities, robust field performance and portability are crucial. The ultra-lightweight Maverick mobile mapping system can be mounted on a vehicle or carried in a backpack to collect the geo-referenced datasets required for traditional surveying. Teledyne Optech’s hardware delivers dense, accurate and geo-referenced spatial data that will exceed your expectations – backed by industry-leading around-the-clock support.

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SightPower Inc.

SightPower Inc. is a leading provider of data-modeling enterprise-level systems and technology solutions for mining, oil and gas industries. SightPower’s portfolio includes geological modeling, survey automation and informational support in mining operations. The company also specializes in the design of unique C&I technologies based on both static and mobile laser scanning. The flagship product - Mobile Shaft Scanning System (MS3) – is designed for automated inspection and monitoring of operational mineshafts. MS3 brings immediate benefits to an underground mining operation: increased hoisting time, high quality of shaft inspection, reduced time spent by personnel in dangerous mining conditions, and real-time information for managerial decisions. SightPower has the best-in-class data mining technology for spatial data analysis and processing through effective indexing and compression. Other areas of expertise include transformation of raw visual data into CAD models using pattern recognition methods, and information support for mineshaft design, sinking and equipping.

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**Checkfluid Inc.**

Checkfluid is a leading supplier of precision oil sampling valves, oil condition monitoring devices and technical support – for both fleet and process mining equipment in more than 50 countries worldwide. Centralized live sampling centers (SC) combine sampling from different mobile systems into one safe ground-level using the popular KP pushbutton valve manifold. Drive system plugs (LE) let you sample and level check without opening the system to inside built-up pressure or outside contamination. Magnetic drive system plugs (LEM) collect and monitor ferrous debris with built-in venting. Service drive position indicators (DPI) wirelessly signal a spotter to help keep the space around the vehicle safe while positioning the wheel or track for draining or level checking. Moisture sensors (MTL) can provide early warning for water in stationary gearboxes. Checkfluid is ISO 9001:2008 registered.

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**Topax Export Packaging Systems**

Heavy equipment, vast geography, remote locations, severe environments – these are just some of the challenges that are the everyday reality in the mining industry. They are also the same challenges that have made Topax an invaluable partner to its mining clients. Typical of the products and services Topax provides: expert protective packaging for heavy equipment and machinery; anti-corrosion and long-term preservation, logistics and transport management; project marshalling, product life extension, and reduced or eliminated rework and downtime. The Topax team will develop a comprehensive strategy that will ensure your equipment and supplies are protected through transport and are staged and action-ready onsite. Across the country or around the world – if you can make it, Topax can protect it.

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**HERON CANADA Inc.**

HERON CANADA is a renewables energy solution provider focused on lower power input costs using by-directional chargers, mobile power, wind and solar power technologies. The company assesses, designs, manufactures and builds smart power grid systems with a focus on the power needs of the mining industry and the operations surrounding communities. The company was formed through a partnership with the Mexican enterprise Tauro Capital, specializing in the mining industry in Mexico. Heron also has strategic technology partnerships with bidirectional technology through IKS, Hitachi and Nissan. Their current target markets are Canada and Mexico. Heron Canada has also begun partnering with First Nations communities across the country. Lawrence Martin, former Grand Chief of the Mushkegowuk and Mayor of Cochrane, is a partner and developing renewable energy solutions as wealth creation for the north.

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Coal mine with solar energy panels
SMELTING & REFINING EQUIPMENT & SERVICES

**EPCM Services Ltd.**

EPCM Services Ltd. has provided permanent cathode technology: manufacturing, washing and stripping systems; and robotic tankhouse handling equipment for modernization and new projects for electrorefining and electrowinning plants. These installations utilize more than one million cathodes and produce more than five million tons of copper annually. Tecnologias Cobra S.A., EPCM’s modern manufacturing facility in Antofagasta, Chile, has manufactured more than 800,000 permanent cathodes for 35 copper producers in six countries. In 2016, EPCM also established a new Canadian technology development and cathode manufacturing and service center in Oakville, Ontario, employing the latest in equipment and methods for equipment assembly, cathode manufacture and repairs. EPCM’s Technology Group is committed to creating leading-edge designs that complement mining industry objectives for improved quality for less cost. Its SP and SPU cathode designs and robotic stripping system with new cathode wash technology make EPCM your best choice for tankhouse technology.

**Mansour Mining Technologies Inc.**

Mansour Mining Technologies Inc. is a market-leading manufacturer of integrated mining supply products, including ground support, rock-drilling tools, mine ventilation, and smelter and refinery hardware. Mansour Mining Technologies Inc. offers these integral products in order to keep mining operations safe, efficient and profitable. Innovation, quality and around-the-clock global service represent the core values that encompass Mansour Mining Technologies Inc. After 40 years in the mining industry, Mansour Mining Technologies Inc. understands that the key to success is to develop close working relationships with customers. Mansour Mining Technologies Inc. builds these customer relationships from the ground down.

**AssayNet Canada Inc.**

AssayNet is an IT company specializing in LIMS (Laboratory Information Management Systems) for mine site and environmental labs. AssayNet offers total data management for mine operations, making data available in real time from around the world to corporate offices. AssayNet has built its success on deep industry knowledge, with all implementation, installation and site training done by its internal support group working 24/7 to assist in any time zone. Flagship system LIMS.NET is robust, scalable and user friendly; uses a server-centric architecture; and offers high-end features such as web access, barcoded sample tracking, and integrated GA/QC to assay labs. Immediate benefits to labs include a centralized data system with automated data exporting to clients, reduced turnaround time and labor costs, and compliance with ISO 17025 and National Instrument 43-101 of TXS. Products and services are available in English, Spanish and French, and programs can be used in different languages concurrently.

**iRing Inc.**

iRing Inc. is a software development company specializing in blast design software for underground mining. With an interdisciplinary team of blasting experts, mining engineers, software developers, mathematicians and computer scientists, iRing Inc.’s main focus is to develop leading-edge blast design technologies and solutions. Its flagship product, Aegis, combines never-before-seen speed and ease in ring design with powerful forecasting capabilities. Using detailed cost metrics, these designs can be compared and optimized to provide more effective patterns, resulting in larger savings and profits. iRing Inc.’s experienced team also offers blast design consultation. Its diverse consultation team combines more than 30 years of blasting experience with leading-edge modeling techniques, and delivers optimal solutions to difficult problems. iRing Inc. is based in North Bay, Ontario, Canada, and has distributors throughout the world.

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Maptek™ has grown from a small mining software company to a collaborative group of 14 networked offices around the world, including Adelaide, Brisbane, Newcastle, Perth and Sydney (Australia); Belo Horizonte (Brazil); Calgary (Canada); Denver (U.S.); Viña del Mar (Chile); Cancún (Mexico); Edinburgh (U.K.); Lima (Peru); and Johannesburg (RSA). With more than 30 years of commitment to mine technology research and R&D, its services combine a wealth of mining expertise with product application to deliver unique workflow solutions: from its Vulcan™ combined with I-Site™ to provide advanced 3D spatial information, modeling, visualization and analysis based on laser scanning to its BlastLogic™ that delivers the simple analysis of historical performance to enhance blast accuracy, mineral recovery and downstream processes with Eurek™ providing one integrated platform for viewing and analyzing exploration project data. To help your mine operations improve performance, productivity and profitability, engage Maptek consulting, training, application integration and outsourcing offerings.

ThreeDify Incorporated

Based in Ottawa, Ontario, ThreeDify Inc. offers innovative mining software solutions to help clients increase resource recovery and reduce mining costs. ThreeDify’s competitive advantage lies in its ability to combine advanced modeling and optimization techniques with modern computing technologies in developing next generation mining software. ThreeDify GeoMine is a well-rounded, integrated package consisting of 10 independently licensed modules. It features an advanced block modeler (GeoModeler), a scalable pit optimizer (FlowPit) and rapid pit designer (QuickPit), a powerful stope optimizer (Stopemizer) and a specialized underground mine designer (uCAD), a unique open-pit to underground transition optimizer (Optunimizer), a cut-off grade optimizer (OptimCut), a point cloud meshing tool (CloudMesher) for 3D scanners and UAVs, as well as a Life-of-Mine and production scheduler (iScheduler) for both open-pit and underground mines. ThreeDify’s solution is scalable, cost-effective and easy-to-use. ThreeDify’s license model is very flexible as it offers short-term subscription, perpetual or network licenses.

Boundary Equipment Co. Ltd.

Boundary Equipment Co. Ltd. is the world’s premier aftermarket supplier of castings for mining, material handling and smelting. Boundary supplies undercarriage for mining shovels and drills, apron feeder pans, ladies, and other standard and custom-designed castings. Manufactured to the highest quality, Boundary replacement parts are fully compatible with P&H, CAT, BE, O&K, Hitachi and Komatsu OEM parts. The company’s competitive strengths include extensive engineering capability and onsite product support. Customers turn to Boundary engineers for innovative solutions and design modifications that extend product life and provide cost-effective performance. International Service & Supply (ISS) is a division of Boundary that expands on the product offering to mining customers. ISS specializes in mine safety products and solutions for equipment maintenance efficiency challenges. Established in 1980, Boundary’s dedication to providing customers with a superior alternative to OEM parts has made the company a preferred supplier to major mines and smelters worldwide.

Mobile Parts Inc.

Founded in 1980, Mobile Parts has become a major supplier of parts, equipment and services to the mining industry. The company ships to more than 35 countries from its 100,000-sq.-ft. complex in Sudbury, Ontario. Mobile Parts is a full-service company with ISO certification, more than 45 employees and an inventory of more than 18,000 parts. OEM parts are sourced from the same equipment suppliers that originally manufactured the parts and components used in your equipment. Mobile Parts is a can provide what you need to keep all your name-brand equipment operating at maximum reliability and productivity. The company is also known for its quality of work. Its service center of more than 10,000 sq. ft. features a custom fabrication and machining facility with CNC capability, a complete driveline division, an assembly and rebuild shop, and garage with eight hoists. Mobile Parts also produces a line of rugged, reliable utility vehicles designed to operate in demanding mining environments. Mobile Parts is a can provide custom Special Purpose Vehicles in various configurations.
Polar Mobility Research Ltd.

Polar Mobility Research Ltd. is your heating, cooling and clean air solutions provider for mobile equipment. For complete cab comfort, use Polar Quality Cabin Air Systems to reduce operator exposure to harmful particulates. For equipment working in a high-temperature or corrosive atmosphere, or if you need an HVAC system that can handle fluctuating 50/60 Hz voltages, use Polar Air Systems. Need a non-explosive air conditioning solution? Choose a product from the Polar FH Series. Looking to increase the air filter life for your equipment? Choose Sy-Klone Technologies. Looking for mobile heating solutions? Turn to Polar fuel-fired heating solutions. Need air-conditioning for a machine with installation and system mounting issues or a small to medium transport refrigeration system? Polar has it, so call Polar today or check out the website listed here.

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RIMEX

RIMEX is recognized as the premier manufacturer and innovator of wheels and rims for the world’s most challenging industrial applications. By focusing on the requests and requirements of its customers, RIMEX builds custom solutions and specialized products that range from the most advanced wheels and rims on the market to the TyreSense TPMS and peripheral technology that sets new standards for tire monitoring and asset management. With sales and inspection/repair centers around the world, and a track record second to none, RIMEX continues to strive for shared success with its customers as it explores and embraces the future.

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www.tyresense.com

Valley Blades Limited

Valley Blades Limited, ISO 9001:2008 certified, manufactures replacement wearing edges for earth and snow removal equipment, including bulldozers, road graders, loaders, scrapers, excavators and snowplows. These wearing edges are manufactured using computer-assisted technology to rigid specifications that meet or exceed those set by the original equipment manufacturer. Since it began in the early 1960s, Valley Blades Limited has grown into a world supplier of replacement wearing edges and has built a strong dealer network that supplies competitively priced, quality products and reliable service backed by an extensive inventory. Valley Blades Limited manufactures replacement wearing edges for Caterpillar, Komatsu, Deere, Case, Terex, Volvo and more, and has manufacturing facilities located in Waterloo, Ontario, and Edmonton, Alberta, to serve the mining industry nationwide and customers around the world.

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Weldco-Beales Manufacturing

Weldco-Beales Manufacturing (WBM) designs and manufactures premium attachments for heavy equipment, specialized to the demanding requirements of our mining customers. Typical attachments include: tire handlers, cable reels, ejector bodies, buckets, blades, roll-over-protection structures and custom products. WBM is 100 percent Canadian owned and has operated for more than 70 years in Canada. WBM is conveniently located to serve the mining and resource industries globally. Through WBM’s Quality Control Program, its certified staff ensures the highest quality and most reliable product in the market. WBM’s commitment to quality is maintained by exceptional product support and warranty programs. WBM is committed to continual growth and exploration of opportunities that capitalize on its strengths to serve the global mining market. Contact WBM or your preferred distributor for more information: www.weldco-beales.com.

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www.weldco-beales.com

SURFACE MOBILE EQUIPMENT & SERVICES

Reliable Wheel Products Ltd.

Reliable Wheel Products manufactures products used in the maintenance of heavy equipment. SuperLift Jacks are air or electric/hydraulic with power-drive capability. These jacks are available in 50- to 350-ton models with a range of lift points. Man/Lift Work Platforms raise workers to a safe working height when working with large diameter tires and wheels. RWP Tire Press Centres are electric/hydraulic tire presses for OTR tires. They provide safe and efficient mounting and demounting of tire sizes 25-in. through 63-in. Equipment Support Stands (Jack Stands) support equipment from 50 through 300 tons, are engine certified and are available in a variety of support heights. Certified quality systems – ISO 9001:2015.

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Also see Counter interests section for Worldwide.

SURFACE MOBILE EQUIPMENT & SERVICES
Can-Ceed Technologies Ltd.

Can-Ceed Technologies provides state-of-the-art Canadian technology and products to the booming Asian mining market, including China, India, Mongolia and Myanmar, which are in need of ways to improve productivity, safety and environmental performance. With an office in Cambridge, Ontario, and a sales and service office in China, Can-Ceed well understands the needs of Canadian suppliers and mining customers in Asia.

Most of its employees, whether managers or sales representatives, have mining-related educational and career backgrounds that enable them to acquire valuable market information to secure sales to benefit both buyer and seller. Can-Ceed has supplied various mines with Canadian equipment and services, thus establishing a connection that benefits other Canadian firms. Now is the time to ensure you are well-represented in a large market that is just beginning to participate in the global mining scene. Contact Can-Ceed today, your trade bridge with Asia.

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Axcess International Inc.

Axcess International Inc. is an international freight forwarder and customs broker. With emerging markets and increased worldwide demand for mineral resources, Axcess International has the best practices and most reliable partnerships to meet your transportation mining logistics requirements. This includes reliable, cost-effective solutions for transportation of site materials and uniquely shaped mining equipment, including heavy-lift and oversized cargo, police escort arrangements or liaisons with public works and other authorities.

The company offers all clients personalized service according to the criteria you set. For Axcess, any remote location is “Axcessible”. Its team of logistics professionals respects your schedules and projected costs while managing and supervising the whole process of transporting mining cargo to your jobsites. With no multiple hub transfers, Axcess achieves timely, efficient delivery of your cargo by participating in C-TPAT, ACE and FAST. For more specific information about its unique services, visit the website listed here.

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Cole International Inc.

Cole International Inc. is one of Canada’s largest privately owned international freight forwarders and customs brokers, also providing a variety of customs and compliance consulting services. With offices in all major Canadian cities and located at strategic points throughout the U.S. (including all major Canada/U.S. border crossings), Cole has been meeting and exceeding requirements of the resource-based industrial sector for more than half a century. Cole recognizes the demands of delivering critical components to remote locations while navigating a web of complex foreign customs regulations. Its professionals have the technical knowledge and experience to ensure your exports are handled smoothly, efficiently and accurately every time. As a successful Canadian company competing in the global marketplace, Cole understands many of the obstacles faced by CAMESE members and is uniquely equipped to provide the right specialized logistics solutions to help your business compete and achieve your goals.

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Gillespie-Munro Inc.

Gillespie-Munro is a full-service privately owned Canadian international freight-forwarding firm specializing in innovative solutions to clients’ and agents’ transportation challenges since 1947. Services include freight forwarding agency, airfreight, documentation, dangerous goods, heavy lift cargo, letters of credit, marine charter brokers, marine insurance, out-of-gauge, project and reefer cargo, and import or export – to or from Canada or the U.S. or between foreign points. Gillespie-Munro can accommodate any and all marine or air transportation requirements. Its staff is highly trained in the use of Incoterms, UCP 600, and the processing of dangerous goods shipments and specialty cargoes by ocean and airfreight. With offices in Montréal, Toronto, Vancouver and the U.S., and agents throughout the world, Gillespie-Munro’s total transportation philosophy offers a complete service package whether you are shipping one ton or 6,000 tons, part charter or project freight to onsite delivery. There is no substitute for experience.

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Manitoulin Group of Companies

Manitoulin Group of Companies is Canada’s leading transportation and logistics solutions provider, with more than 46 years in the mining industry. As a single-source provider, Manitoulin offers a wide array of global services that includes LTL/TL, intermodal, logistics, international freight forwarding, warehousing, heavy haul, customs brokerage, crating, global time-critical delivery, supply chain management, and residential and commercial moving. Manitoulin leverages its extensive network to deliver these services to major rural and urban areas. In North America alone, Manitoulin’s distribution coverage consists of more than 70 Canadian terminals and 250 U.S. service centers. From small to large logistics programs, rest assured that Manitoulin has the right locations, the right resources and the right knowledge to fulfill your shipping requirements.

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Also see Country Interests section for Worldwide.

Access Global Opportunities with Trade Shows and Missions:

Through our unique relationship with Global Affairs Canada (GAC) and Export Development Canada (EDC), we host the Canada Pavilions at major mining events around the world. MSTA CANADA participates, on average, at 10 international mining exhibitions every year which allows members interested in global markets to leverage the highly respected “Made in Canada” brand in the mining industry. We also host trade missions around the world, allowing for a more targeted approach. These trade shows and missions provide excellent networking opportunities and high-quality B2B meeting programs to help get your company in front of prospective buyers.

Arva Industries Inc.

Arva Industries Inc. designs and manufactures safe, rugged, long lasting underground Mining machines. ARVA’s Low Profile mining cranes range in capacity from 10 tons to 25 tons. ARVA’s large lift capacities at low boom angles help maximize use underground. ARVA’s service vehicles come with air suspension on a four-wheel drive, four-wheel steer chassis for multiple applications, including lube, mechanics, water and belt service for safe conveyor belt roller maintenance that saves time and money. ARVA’s latest introduction is the MC350 Scaler, a compact, robust versatile machine. The company also has a quick attach option for multiple attachments, including manual or vibratory pick, rock cutting scales and hammer. The front-mounted plow complements the scaling capabilities with 0-5° rotation left to right. ARVA works with its customers to maximize efficiency and value.

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Arkbro Industries (Electric Power)

Arkbro Industries is a manufacturer and supplier of mining equipment for applications in raise mining, from horizontal drifts and tunnels to inclined and vertical shafts. Arkbro’s proprietary products are Raise Climbers ABI-5E and ABI-6E. An electric-drive raise climber offers the advantage of faster traveling speeds. Arkbro Industries has designed and manufactured the necessary equipment for new mining methods and believes the endurance, performance, technical and safety features of its raise climbers and man lifts surpass all existing machines in the market.

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**BPT Components & Parts Inc.**

BPT Components & Parts Inc. is a leader in the Clark Powertrain market. With its state-of-the-art dyno-test machine to ensure its products meet or exceed OEM standards, BPT inventories more than $5 million in Clark/Dana Powertrain components and replacement parts for the mining, logging and construction industries. In addition, BPT is a Carraro warehouse distributor and Funk authorized dealer. Now BPT can provide you with more lines to help keep your machines running with OEM parts at competitive prices. Turn to BPT to keep your equipment up and running with the highest quality parts and components at exceptional savings for you, the customer.

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**Dux Machinery Corporation**

DUX Machinery Corporation is a privately owned Canadian manufacturer and supplier of heavy-duty underground equipment designed to meet the needs of mining and tunneling projects worldwide. With more than 40 years’ experience, DUX offers a full range of products, including articulated haulage trucks (dump, teladump and ejector), scalers, remix trucks, multipurpose cassette systems, boom trucks and scissor lifts. All DUX products come with onsite commissioning by factory technicians, intensive training for operators and maintenance personnel, and fast parts service and technical backup through a worldwide network of distributors.

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**L&M Powertrain Parts**

Since 1959, L&M Powertrain Parts has set the standard for performance and quality in powertrain parts and components for off-road vehicles and has become one of the leading suppliers to the mining industry worldwide. L&M specializes in supplying transmission, torque converter, differential and planetary axle parts for dealers, distributors and re-builders servicing machines such as Atlas Copco, Dux, Eimco, Jarvis-Clark, GHH, JCI, MTI, Sandvik, Tamrock, Toro, Volvo and Wagner.

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**MacLean Engineering**

MacLean Engineering specializes in underground mobile equipment solutions based on hard rock mining experience, multi-discipline engineering capability, unit-of-one manufacturing expertise, and worldwide customer service and support. The company’s product suite includes platform and utility bolters, shotcrete sprayers, and transmitters in the ground support category; remote operated blocker drills, mobile rock breakers, and water cannons in the ore flow/secondary reduction category; Mine-Mate, scissor lifts, boom lifts, boom trucks, ANFO/emulsion chargers, personnel carriers, fuel/lube trucks, cassette trucks, fan and pipe handlers, and service drills in the utility vehicles and attachments category. MacLean has been innovating for hard rock mining mobile equipment safety and productivity for almost 50 years, supporting customers worldwide with branches across Canada as well as in Mexico, Peru, South Africa and Australia. The latest chapter in the MacLean innovation story is the introduction of full-fleet electrification, integrating best-in-class battery and electric drive technology to deliver a safe, proven, and data-rich option for diesel-free operations in the underground environment. For more information, please visit www.macleanengineering.com.

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**MINING FAST FACT:** Canada is richly endowed with natural resources and produces some 60 different minerals and metals. Canada ranks among the top five countries in the global production of 13 major minerals and metals: first in potash, second in uranium, nickel and niobium, third in cobalt, aluminum and platinum group metals, fourth in salt, sulphur and tungsten, and fifth in diamonds, graphite and gold.

– From: Facts & Figures 2016, The Mining Association of Canada
Nordic Minesteel Technologies (NMT) provides progressive solutions for increased production and reduced operating costs in underground mining. An ISO 9001 certified company, NMT has extensive experience in the design and manufacture of mining-related equipment and structures. NMT products are designed and built to meet the specific needs of each client and all industry standards. NMT’s highly skilled team incorporates the latest technology and innovative designs into all products, resulting in long-term value for clients. Worldwide clientele have relied on NMT to provide lasting, cost-effective solutions for their mining-related requirements in equipment, service and design. NMT’s capabilities include in-house design, engineering, fabrication and installation of continuous loading and unloading rail haulage systems, loading chutes for rail, truck and conveyor, unloading stations, head frames and structures, shaft steel, loading pockets, conveyances, design services and more.

Polar Mobility Research Ltd.

Polar Mobility Research Ltd. is your heating, cooling and clean air solutions provider for mobile equipment. For complete cab comfort, use Polar Quality Cabin Air Systems to reduce operator exposure to harmful particulates. For equipment working in a high temperature or corrosive atmosphere, or if you need an HVAC system that can handle fluctuating 50/60 Hz voltages, use Polar Air Systems. Need a non-explosive air conditioning solution? Choose a product from the Polar FH Series. Looking to increase the air filter life for your equipment? Choose Sy-Klone Technologies. Looking for mobile heating solutions? Turn to Polar fuel-fired heating solutions. Need air-conditioning for a machine with installation and system mounting issues or a small to medium transport refrigeration system? Polar has it, so call Polar today or check out the website listed here.

Walden Equipment

The Walden Group of Companies, including J&S Manufacturing, Walden Equipment, and Walden Electrical, have collectively become a significant global entity in the mining and industrial service sectors. Driven by its customers’ needs, including quality, workmanship, schedule, and budget, the group companies in Sudbury, Spanish and Timmins, Ontario, as well as Zacatecas, Mexico, offer turnkey solutions to its extensive client base. The Walden Group has locations and distribution in Timmins, Ontario, Zacatecas, Mexico, Sudbury, Ontario, and affiliations in Quebec, Chile, Peru and Argentina. Walden is glad to announce that they have recently joined forces with STM, Subterra out of Chile. Walden looks forward to assisting in all your mine equipment, hoisting, electrical and servicing needs.

Mobile Parts Inc.

Founded in 1980, Mobile Parts Inc. has become a major supplier of parts, equipment and services to the mining industry. The company ships to more than 35 countries from its 100,000-sq. ft. complex in Sudbury, Ontario. Mobile Parts is a full-service company with ISO certification, more than 45 employees and an inventory of more than 18,000 parts. OECM parts are sourced from the same equipment suppliers that originally manufactured the parts and components used in your equipment. Mobile Parts can provide what you need to keep all your name-brand equipment operating at maximum reliability and productivity. The company is also known for its quality of work. Its service center of more than 10,000 sq. ft. features a custom fabrication and machining facility with CNC capability, a complete driveline division, an assembly and rebuild shop, and garage with eight hoists. Mobile Parts also produces a line of rugged, reliable utility vehicles designed to operate in demanding mining environments. Mobile Parts can provide custom Special Purpose Vehicles in various configurations.

Nelmaco Eastern Ltd.

Nelmaco Eastern Ltd. is the OEM of all JOY Canadian air and electric slusher scrapers. Nelmaco also manufactures parts for both Canadian and American-made JOY slushers. All JOY units and Canadian and American-made OEM of all JOY Canadian air and electric slusher scrapers. Nelmaco provides maintenance for the mining industry. The company specializes in repairing, rebuilding and servicing all makes and models of slushers, tuggers, hoists and winches. Rentals of slusher units are available. Nelmaco stocks full-sized portable toilets and hand carry units, along with many sanitation supplies. In addition, Nelmaco provides maintenance for air ventilation fans and supplies parts for these units. Nelmaco continues to expand its capabilities in rebuilding and repairing small mining equipment, giving better serviceability and the best quality to its customers. Nelmaco provides its services on a global scale.

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**MINING FAST FACT:** According to Natural Resources Canada, the mining industry indirectly employed an additional 189,657 individuals in 2015, bringing total employment to 560,000 jobs.

- From: Facts & Figures 2016, The Mining Association of Canada
MSTA CANADA is Canada’s #1 mining service and supply association, and membership ensures you get access to the latest professional development, industry news, compelling business development opportunities and representation for strategic government relations initiatives that support and protect our members.

MSTA CANADA’s mission is to help our members grow and promote themselves within a vibrant and globally competitive mining supply chain. MSTA CANADA members are highly engaged solutions-focused leaders who are recognized as thought leaders and partners in helping to support the mining industry around the world.

Join MSTA CANADA and engage the Canadian mining community, including just some of our members featured here. MSTA CANADA memberships provide all individuals within your organization access to the full suite of member benefits.

Join now or contact us today!

Below is a list of MSTA Canada members with profiles in this year’s Compendium. Members not appearing in this issue may still be viewed on their respective member pages on the MSTA Canada website at www.mstacanada.ca

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The City of Greater Sudbury has the combined resources of more than 20,000 experienced mining executives, engineers, technicians, skilled tradesmen and other professionals in over 330 manufacturing, service and supply companies.

If you’re looking for the latest in mining technology, bring your business to Sudbury and become part of our mining expertise.

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