



Ground Breaking News

THE GOVERNMENT OF CANADA INVESTS \$40 MILLION IN THE \$112.4-MILLION MICA NETWORK

AN INVESTMENT IN INNOVATIVE SOLUTIONS THAT WILL STRENGTHEN CANADA'S INTERNATIONAL LEADERSHIP IN SUSTAINABLE, EFFICIENT AND SAFE MINING.

On July 13, 2021 in Rouyn-Noranda, Quebec the Honourable François-Philippe Champagne, Minister of Innovation, Science and Industry, announced an investment of \$40 million in a \$112.4-million project of the [Centre for Excellence in Mining Innovation Inc. \(CEMI\)](#). This investment supports the creation of the [Mining Innovation Commercialization Accelerator \(MICA\) Network](#), a pan-Canadian initiative bringing together stakeholders from a wide range of fields to accelerate the development and commercialization of innovative technologies to make the mining sector more productive and sustainable. [Read more about the official announcement.](#)

An echo announcement was held in Sudbury with the CEMI Team, Members of Parliament Marc Serré and Paul Lefebvre, Mayor of Sudbury, local SMEs and dignitaries at Glencore in Falconbridge.

The Honourable François-Philippe Champagne, Minister of Innovation, Science and Industry



Quotes

"The mining sector is critical to the Canadian economy as it supports well-paying jobs in communities across the country. Today's announcement will help bridge the innovation-to-commercialization gap for the benefit of both Canadian mining companies and innovators by providing them with the tools, knowledge and expertise they need to meet the future demands for Canada's critical minerals. The mining sector is playing a pivotal role in our green recovery and our progress toward net zero, and I look forward to the innovations and the job creation that will come from these new collaborations."

– The Honourable Francois-Philippe Champagne, Minister of Innovation, Science and Industry

"The commercialization of innovations in the mining industry has never been more important than it is today. Supplying the demand for the minerals and metals needed to advance the green transition to a low-carbon economy is critical, but if mines are to produce more and do so faster, cheaper and more sustainably, implementing innovation is essential. CEMI believes a national innovation network is necessary to identify innovative solutions and integrate them into the system-solutions that the mining industry needs. The MICA Network will help mobilize investments, grow Canadian SMEs and establish Canada's leadership role in addressing climate change."

– Douglas Morrison, President, CEMI - Mining Innovation Commercialization Accelerator Network

"Nickel Belt-Greater Sudbury's robust mining history has enabled me to see first-hand how the industry can lead us forward in the 21st century. The critical minerals sector offers tremendous opportunities for producing clean technology, which can help us reach our climate change goals. Today's announcement is a testament to Canada's leadership in clean mining technology and expertise that can support further innovative development."

– Marc Serré, Parliamentary Secretary to the Minister of Natural Resources

A NATIONAL NETWORK OF INNOVATION FOR MINING

MICA is designed to bridge the innovation-commercialization gaps that delay commercial success, domestically and globally. MICA will leverage public and private sector investments to benefit the Canadian economy and the global mining sector by:

- ↳ advancing made-in-Canada solutions and integrating cross-sector innovators nationally
- ↳ networking all sector innovators, to share business best practices and export expertise

MICA TECHNICAL THEMES

1. Increase Mine Production Capacity, at Lower Cost.
2. Reduce Mining Energy Consumption and GHG Emissions.
3. Implement Smart, Autonomous Mining Systems.
4. Eliminate environmental risk and reduce long-term liabilities.

WHO CAN JOIN MICA?

- Mine/Plant Operating Companies,
- Innovative Canadian SMEs,
- Large Technology Companies,
- Innovators, Academic & Research Organizations
- Industry Associations

MICA Partners



[JOIN CEMI's MAILING LIST](#) to receive current information about MICA .

Fostering Innovation

Implementing Excellence

WHY ENGAGE CEMI?

CEMI helps solve mining industry challenges. We accelerate the delivery of commercially viable innovations to improve operational performance. Simply said, our services are designed to bridge the gap between a challenge and a solution.

CEMI NETWORK

CEMI has developed a global network, designed to bridge the innovation-commercialization gaps by bringing together cross-sector Innovators with made-in-Canada solutions for the mining industry.

PARTNER AND CLIENT SEGMENTS

Our services are designed to bridge the gap between a challenge and a solution. To do that, organizations are matched and grouped together based on their needs, and to deliver the best possible outcomes.

OUR SERVICES

• Innovation Scouting

Global search for current and emerging pre-commercial solutions

• Challenge Identification

Review of existing challenges from technology road maps and uncovers hidden challenges using a systems analysis process

• Challenge Solution Matching

Matches current and emerging pre-commercial solutions with validated industry challenges

• Commercialization Services

CEMI conducts innovation and commercialization gap analysis assessments and offers services to bridge identified gaps

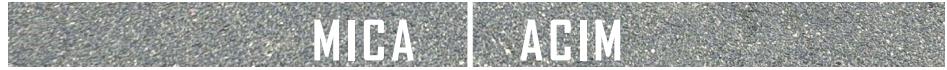
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Stay informed. [JOIN OUR MAILING LIST](#) to receive CEMI's Newsletter, event notifications, and other special announcements.

CONTACT

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Mining Innovation Commercialization Accelerator

Accélérateur de Commercialisation d'Innovation Minière

IMPORTANCE OF INVESTMENT IN MICA: The mining industry is critical to successfully accelerating the Green Transition to a low-carbon economy and reversing Climate Change. Within a decade, mining must supply the minerals and metals needed to allow new clean technologies to replace carbon-based technologies.

MICA'S VISION is to connect Regional Mining Clusters to Cross-Sector Innovation Centres across the country to create a National Network to commercialize innovations into the mining industry and use the Canadian advantage of SME-based innovations to create a national mining technology ecosystem.

MICA'S MISSION

- Build a national ecosystem as a network of collaborative regional networks.
- Accelerate the number and scale of Canadian SMEs engaged in mining.
- Commercialize new, late-stage, high impact mining technologies.
- Create regional networks and rapidly increase domestic and export sales.
- Help SMEs attract the investment for scaling up to participate in global supply chains.

BENEFITS OF MICA TO SMES IN MINING:

1. Access to leveraged funding for high-impact (TRL 6-9) innovative Clean Technologies.
2. Access to complementary technological and commercial capabilities of Network members.
3. Identify potential cross-sector collaborations that reveal additional market opportunities.
4. Access to capacity-building services to help attract investment for growth and expansion.

BENEFITS OF MICA TO THE MINING INDUSTRY:

1. Early adoption of innovative products and services for improving operational performance.
2. Access leveraged funding by investing in SME projects and offering operational test sites.
3. Informing SMEs of the full range of Industry's current and future operational challenges.
4. Participation in the National Innovation Network's activities and events .



"The MICA Network positions CEMI to engage with industry and the SMEs to push the boundaries of innovation in ways that are more efficient, greener, safer while increasing productivity and creating the jobs of the future."
Alicia Woods, Chair CEMI Board of Directors, CEO Covergalls

"It is through programs like MICA that small to medium-sized businesses, including FORTAI, can scale up, continue investing in research & development, export made-in-Canada technologies, and at the end of the day, participate and contribute to the Canadian Technology Ecosystem."
Trang Tran-Valada, President FORTAI

In this photo: Sudbury MICA Announcement group shot. Left to Right—Todd Pratt, (President, FVT Research), Sherry Greasley (VP Business Administration, CEMI), Brian Bigger (Mayor of Sudbury), Marc Serre (Parliamentary Secretary to the Minister of Natural Resources), Charles Nyabaze (VP Business Development & Commercialization, CEMI), Paul Lefebvre (Member of Parliament , Sudbury), Kevin McAuley (Director of Sustainability, Technical Services and Innovation, Sudbury INO, Glencore), Trevor Walker (President and CEO, Frontier Lithium Inc.)