



25^{ans}
corem | of innovation in
mineral processing

2024 | **Activity Report**

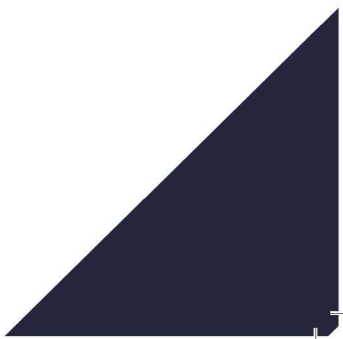


Table of contents

- Corem - 25 years of innovation and collaboration..... **4**
- Chairwoman of the Board’s message **6**
- President and CEO’s message **7**
- Mission and values **8**
- Our services at the heart of mining innovation **9**
- Governance **12**
- Pre-competitive research committee..... **14**
- Highlights..... **16**
- ESG contribution..... **22**
- Corem in numbers..... **26**
- Influence..... **28**
- Celebrating our 25th anniversary **30**



Corem

25 years of innovation and collaboration

The year 2024 marks an important milestone for Corem: 25 years as a non-profit organization dedicated to innovation in mineral processing. Our history is built on a legacy of over 65 years of innovation and expertise. It all began in 1957 with the creation of a mineral processing research group, then attached to the Quebec Ministry of Natural Resources, and the launch of the first pilot plant. In the 1960s, this group officially became the Centre de recherche minérale. Then, thanks to a visionary collaboration between the mining industry and the Quebec government, Corem was born on September 27, 1999.

For a quarter of a century now, Corem has evolved thanks to the commitment of its members and the trust of its clients, building a unique model in which members, clients, and partners help shape the future of the mining sector. Its success also relies on the daily commitment of its team and its 140 passionate employees, who drive innovation and excellence. Today, Corem is Canada's largest centre of expertise and innovation in mineral processing. In 2024, we celebrate not only our history, but also our role as a leader in the development of processes and technologies that are shaping the future of the mining industry.



Parc St-Malo - Around 1940



Autogenous mill - Around 1960



Factory - Around 1960



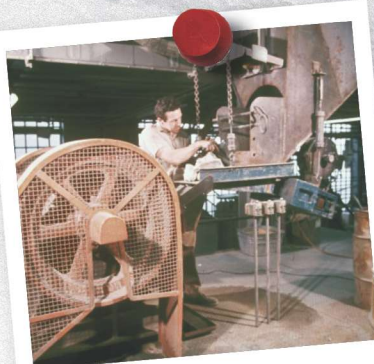
Facade of 1180 Place Dufresne - Around 1980



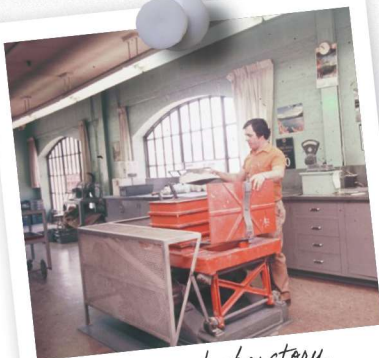
Pilot Plant Laboratory
Around 1982



Weighing samples
Around 1980



Crusher - Around 1980



Asbestos Laboratory
Around 1980



Factory - Around 1980



Chairwoman of the Board's message

The mining sector remained in a good position in 2024, with rising prices for gold-bearing metals, despite falling prices for base metals. The willingness of the Canadian government and certain provinces to pursue the development of the critical and strategic minerals sector was reflected in the maintenance and implementation of new funding programs to support business innovation. It should also be noted that the recognition of high-purity iron as a critical and strategic mineral offers new opportunities for the development of research and development projects. Against this backdrop, Corem celebrated 25 years of innovation in 2024, and we continued our efforts to develop and position ourselves as a strategic partner for research and innovation.

In terms of governance, I was delighted to take on the role of Chairwoman of the Board of Directors. On behalf of the Board, I would like to thank Jean-François Leroux, who assumed this role between June 2018 and June 2024, during a period of organizational transformation and challenges brought on by the pandemic, as well as Catherine Cobden, who served three terms on Corem's Board of Directors. We also welcomed three new directors in 2024.

As Chairwoman of the Board, I would like to thank all Board members and Corem staff for their efforts and the results achieved in 2024 for the benefit of a sustainable mining industry.

ANGELA KOUROUKLIS, CRIA, MBA

CHAIRWOMAN OF THE BOARD





President and CEO's message

We continued our efforts to create value for our members through our Precompetitive Research Program, with a portfolio of over 35 projects. The economic benefits for each dollar invested by our members exceeded \$10 by the end of 2024, in addition to sustainable development benefits in the form of reduced greenhouse gas emissions, reagent consumption, and tailings volumes from our members' operations. Our investments in this program totalled \$5.3 million. We also welcomed three new operations from Kinross Gold, strengthening our position in the gold sector.

The development of new collaborative projects, the deployment of our partnership with the CTRI (Centre technologique des résidus industriels), and a growing demand for contract research resulted in a 5% increase in Corem's activities. We continued to implement the actions set out in our revised 2023 strategic plan under our five strategic axes, namely updating our business model and business strategy, developing a plan for our infrastructure, actions related to human resources, and optimizing operational efficiency. The occupational health and safety of our employees remained a priority.

I would like to thank our dedicated staff, who enables us to accomplish our mission every day. I would also like to thank all the members of the Board of Directors for their contribution to the organization's success.

FRANCIS FOURNIER, Eng., F.

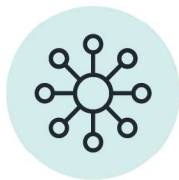
PRESIDENT AND CEO



Our mission

Create innovative solutions in mineral processing for the benefit of a sustainable mining industry, working closely with our members, our customers, and our partners.

The values that guide us



Creativity

We are working to find possibilities there where none are seen: we cultivate the art of doing otherwise.



Team spirit

We unite and work toward a common goal in a climate of confidence, openness, and respect.



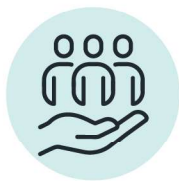
Engagement

Our promise to our colleagues, organization, members, and partners is to offer the best of ourselves and to have our actions reflect those intentions.



Integrity

Through the veracity and exactitude of our words and actions, we strive to uphold honesty.



Health, safety, and sustainable development

We work toward a safe and healthy workplace and we take actions to be part of sustained development and environmental awareness.

Our services at the heart of mining innovation

We are Canada’s largest non-profit expertise and innovation centre in mineral processing. We provide mining companies with R&D services to optimize and develop mineral processing. Recognized for our cutting-edge expertise, our strength lies in our proximity to the mining industry, our ability to meet their research and innovation needs, our state-of-the-art facilities and equipment, cutting-edge laboratories, and strategic industrial and government partnerships.

Creating value

Corem works closely with its members, clients, and partners to improve the competitiveness of the mining sector and reduce its environmental impact through innovative solutions.

- Process development and optimization
- Performance improvement
 - Metallurgical
 - Energy
 - Environmental
 - GHG reduction
- Development and valorization of mine deposits and tailings
- Process development for higher value-added mineral processing

Business model

Business model based on 3 types of services:

- Precompetitive research program for Corem member mining companies. Research, development, and innovation with pooling of issues, human, material and financial resources, and results by all Corem’s industrial members and government partners.
- Collaborative research and innovation for mining companies in exploration, development and operation, equipment suppliers, and engineering firms. Technology development with pooled funding from industry, governments, and, in some cases, Corem.
- Contract research services for mining companies in exploration, development and operation, equipment suppliers, and engineering firms. Innovation, analysis, technical expertise, and laboratory or pilot-scale testing financed by the client company.

Our fields of expertise



COMMINUTION



PHYSICAL SEPARATION



FLOTATION



MINERALURGY ANALYTICS AND TECHNOLOGY



EXTRACTIVE METALLURGY



PELLETIZING AND THERMAL PROCESSES



MINERALOGY

Our members



AGNICO EAGLE

Agnico Eagle

LaRonde Division, Cadillac (Quebec)
 Goldex Division, Val-d'Or (Quebec)
 Meadowbank Division, Baker Lake (Nunavut)
 Meliadine Division, Rankin Inlet (Nunavut)
 Kittila Division, Kittila (Finland)
 Detour Lake Division, Cochrane (Ontario)
 Canadian Malartic Division, Malartic (Quebec)



ArcelorMittal

ArcelorMittal Mining Canada

Mont-Wright Concentrator, Fermont (Quebec)
 Pelletizing plant, Port-Cartier (Quebec)



Bahrain Steel BSCC E.C.

Pelletizing plant, Hidd (Kingdom of Bahrain)



IAMGOLD Corporation

Westwood Complex, Rouyn-Noranda (Quebec)

GLENCORE

Glencore Canada Corporation

Raglan Mine, Katinniq (Quebec)

KINROSS

Kinross Gold Corporation

Paracatu Mine, Paracatu, Minas Gerais (Brazil)
 La Coipa Mine, Atacama (Chile)
 Tasiast Mine, Nouakchott (Mauritania)
 Fort Knox Mine, Fairbanks, Alaska (United States)



MINÉRAI DE FER QUÉBEC QUEBEC IRON ORE

Quebec Iron Ore

Bloom Lake Mine, Fermont (Quebec)

Newmont ÉLÉONORE

Newmont

Éléonore Project, Rouyn-Noranda (Quebec)

Niobec ^{Nb}

UNE COMPAGNIE DE MAGRIS RESOURCES

Niobec

Niobec Mine, Saint-Honoré-de-Chicoutimi (Quebec)

Rio Tinto | IOC

Rio Tinto IOC Mining Company

Concentrator, Labrador City (Newfoundland and Labrador)
 Pelletizing plant, Labrador City (Newfoundland and Labrador)

Our associate members



FLSmidth

Midvale, Utah (United States)



Métal 7

Sept-Îles (Quebec)

Our partners

RESEARCH

- AMIRA International, Melbourne (Australia)
- Canada Mining Innovation Council (CMIC), Ottawa (Ontario)
- Centre technologique des résidus industriels (CTRI), Rouyn-Noranda (Quebec)
- IVADO, Montréal (Quebec)
- National Research Council of Canada (NRC)
- Natural Resources Canada (CanmetMINES), Ottawa (Ontario)
- Universities
 - Curtin University, Perth (Australia)
 - École Polytechnique de Montréal (Quebec)
 - INRS-ÉTÉ, Québec (Quebec)
 - McGill University, Montréal (Quebec)
 - Queen's University, Kingston (Ontario)
 - Université Laval, Québec (Quebec)
 - UQAT, Rouyn-Noranda (Quebec)

INDUSTRIAL

- BioCarbon Industries
- Cyanco
- Draslovka
- FLSmidth
- H2Flow
- Jumine
- Magneto Investment L.P.
- MeGlobal
- Métal 7
- Metcom
- Multotec
- National Carbon
- Nemaska Lithium
- Outotec
- Paul Wurth
- Sayona Québec
- Scantech
- Weir Minerals

"Corem has contributed greatly to the rapid development of the Iron Bear direct reduction magnetite and pellet project. The experience of Corem's personnel is evident in magnetite characterization, processing, flotation, and pelletizing. We look forward to a long working relationship where the skills of both parties contribute to the project's success."

- Paul Vermeulen
General Manager Technical and Engineering
Cyclone Metals

"Corem plays a strategic role in advancing our process development work. Their experienced team supports us with rigour, flexibility, and consistency, ensuring fluid communication and a high level of expertise. Their state-of-the-art infrastructure and the quality of their analyses have enabled us to significantly advance our metallurgical testing program, in support of our integrated and responsible production model."

- Martin Brassard
R&D Director
Nouveau Monde Graphite

Governance

Board of directors (5 meetings)

Angela Kourouklis (Chairwoman of the Board)
Quebec Iron Ore

Marc Lafontaine (Vice-Chairman of the Board)
Agnico Eagle

Jean Morissette (Treasurer, Corporate Secretary)
Raymond Chabot Grant Thornton

Yves Breau
Kinross Gold Corporation

Francis Fournier (President and CEO)
Corem

Angela Hamlyn
Canadian Institute of Mining, Metallurgy and
Petroleum (CIM)

Guy Laliberté
Lightening Grid Québec

Rémi Lapointe
IAMGOLD Corporation

Julien Lampron
ArcelorMittal Mining Canada

Jean-François Leroux
Glencore – Raglan Mine

Rolf Stösser
IOC Mining Company of Canada

André Zaccarin
Université Laval

Observers

Youssef Dehbi
Ministère des Ressources naturelles et des Forêts
Gouvernement du Québec

Josée Méthot
Quebec Mining Association

Marco Blouin
Ministère de l'Économie, de l'Innovation et de l'Énergie
Gouvernement du Québec

Strategy committee (7 meetings)

Angela Kourouklis (Chairwoman of the Committee)
Quebec Iron Ore

Yves Breau
Kinross Gold Corporation

Marc Lafontaine
Agnico Eagle

Guy Laliberté
Lightening Grid Québec

Julien Lampron
ArcelorMittal Mining Canada

Audit committee (4 meetings)

Jean Morissette (Chairman of the Committee)
Raymond Chabot Grant Thornton

Rémi Lapointe
IAMGOLD Corporation

Jean-François Leroux
Glencore – Raglan Mine

Rolf Stösser
IOC Mining Company of Canada

André Zaccarin
Université Laval

Management

Francis Fournier
President and CEO

Sylvie Lévesque
Deputy CEO

Claude Gagnon
Scientific Director – Mineral Processing

Michel Garant
Director – Member and Client Relations

Benoît Levasseur
Scientific Director – Mineral Processing

Nathalie Morneau
Director – Finance and Digital Solutions

Francis Pelletier
Director – Organizational Development and Human Resources

Éric Tremblay
Director – Infrastructure and Operational Planning



Pre-competitive research committee

The Precompetitive Research Committee (PRC) is the governing body of the Precompetitive Research Program. It is made up of our member representatives and government observers, and it determines shared needs and research priorities at its **three annual meetings**. The PRC relies on squads set up for each expertise, who discuss roadmaps, monitor project progress, and recommend research project development to the PRC.

Representatives

François Robichaud (Chairman of the Committee)
Agnico Eagle

Benjamin Légaré (Vice-Chairman of the Committee)
Quebec Iron Ore

Jean-Sébastien Marois (Vice-Chairman of the Committee)
Niobec

Jean-Nicolas Allaire
Newmont – Éléonore

Denilson Araujo
Bahrain Steel BSCC E.C.

Christopher Arnold
FLSmidth

Gnouyaro Palla Assima
Agnico Eagle

Steve Beaudin
Métal 7

Yves Breau
Kinross Gold Corporation

Marc Gravel
ArcelorMittal Mining Canada

Nijad Hamzeh
IOC Mining Company of Canada

Blair Kelly
IOC Mining Company of Canada

Nadia Ouellet
Glencore – Raglan Mine

Jean-Philippe Thivierge
Agnico Eagle – Canadian Malartic

Observers

Sandra Côté
Ministère des Ressources naturelles et des Forêts
Gouvernement du Québec

Tony Di Feo
CanmetMINES

FOR 25 YEARS

76

Meetings

455

Research projects

\$705M

Value of benefits

\$138M

total budget



Squads



EXECUTIVE

Leader
François Robichaud
Agnico Eagle



FLOTATION

Leader
Nadia Ouellet
Glencore – Mine Raglan



PHYSICAL SEPARATION

Leader
Benjamin Légaré
Quebec Iron Ore



EXTRACTIVE METALLURGY

Leader
Yanick Dumais
Agnico Eagle



COMMINATION

Leader
Jean-Philippe Thivierge
Agnico Eagle – Canadian Malartic



AGGLOMERATION AND THERMAL PROCESSES

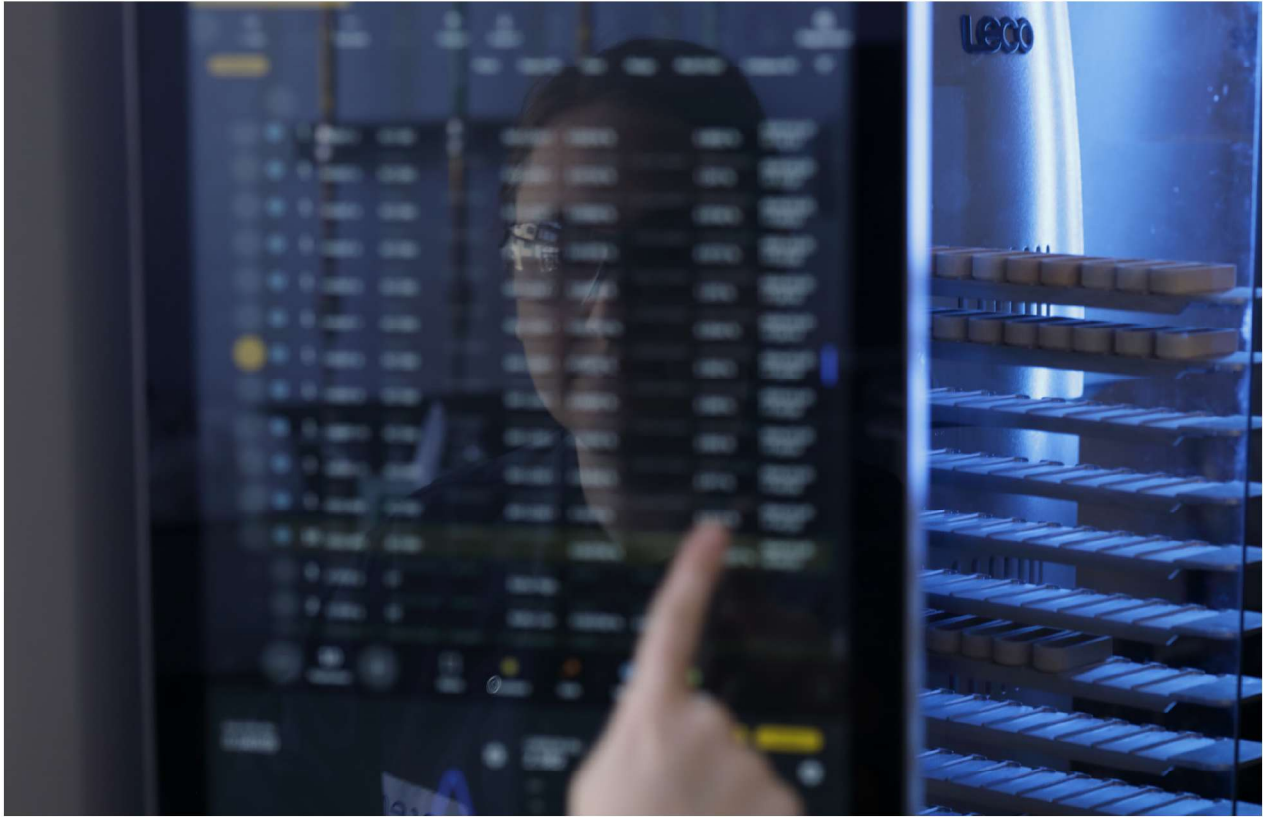
Leader
Blair Kelly
IOC Mining Company of Canada



INNOVATIVE SOLUTIONS

Leader
Frank Roberto
Newmont

Highlights

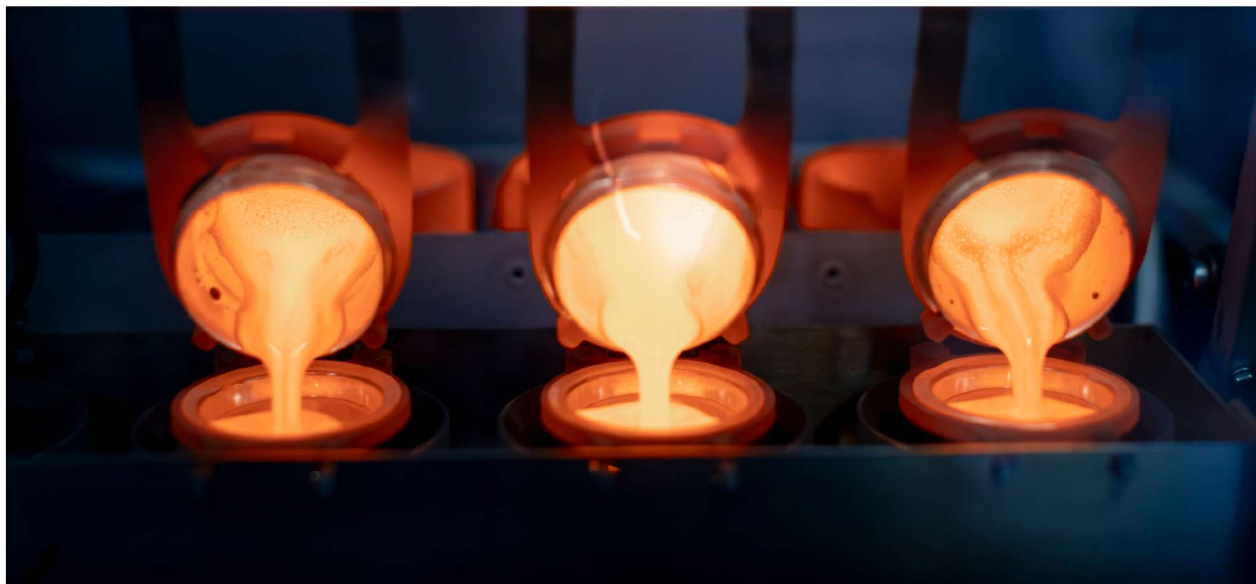


Accelerating the adoption of 4.0 technologies

With its Mineralurgy Analytics and Technology team, Corem supports the development and transfer of 4.0 technologies among its members. In this way, it can speed up the adoption of these technologies to improve their performance.

For example, Corem is developing a sensor based on digital vision to continuously measure moisture content in pelletizing drums and disks. The iron ore pelletizing process is complex and influenced by several variables, including the moisture content of the iron concentrate. A prototype of the sensor was built and installed at Corem. An artificial intelligence algorithm developed in partnership with Jumine is used to assess pellet moisture from camera images. Measurements with less than 0.1% error were obtained in preliminary tests. In 2025, the prototype will be installed at IOC's Labrador City plant for calibration and testing on a real system.

Corem is also developing a flotation anomaly detector in collaboration with Jumine. Based on computer vision and artificial intelligence, the prototype can detect abnormal behaviour in flotation circuits and alert the operator to take action. The solution, called OptimaVue-Flottation, has been deployed at the Goldex and LaRonde mines (Agnico Eagle) and reduces intervention time in the event of process instabilities thanks to faster detection. Demonstration of the solution's feasibility and further development will continue in 2025.



Improving the performance of metallurgical processes

Improving the performance of mineral processing is at the heart of Corem's research activities. Corem's ability to understand process fundamentals and to develop and apply them was demonstrated once again in 2024.

Microflotation tests were carried out by controlling the pH/Eh to determine separation conditions for a polysulfide ore from Agnico Eagle. Laboratory-scale flotation tests using the same methodologies were conducted to find the best conditions for increasing sulfide recovery in a gold ore from the Paracatu mine (Kinross Gold). In 2025, Corem will continue to develop solutions to improve selectivity and recovery in flotation plants based on these new methods.

Corem has also carried out work aimed at understanding the causes of low gold recovery from cyanidation processes associated with low ore reactivity or passivation phenomena. In-depth mineralogical studies have enabled us to correlate the nature and content of sulfides with reactivity. In the case of the Fort Knox mine, studied as part of the project, Corem's technologies have demonstrated that preoxidation at high dissolved oxygen levels can control ore reactivity and reduce cyanide consumption by around 26%. Plant validation is planned before the end of the first quarter of 2025.

Finally, with the aim of increasing recovery in iron concentration plants, Corem is working to improve spiral performance by evaluating critical turn-by-turn parameters. The gravimetric spiral analysis methodology developed demonstrated that wash water distribution and number of turns have a significant impact on spiral performance. Thanks to this method, it is now possible to determine the number of turns required in a spiral for a given ore, thus reducing process development costs for industry.

"A long-standing partner, Westwood Mine actively participates in Corem's precompetitive research projects and regularly uses its expertise in various specialized mineral processing services."

– Kevin Morin
Plant Superintendent
IAMGOLD Corporation

Industry sustainability through decarbonization, energy efficiency, and effluent quality

Corem's research program also aims to improve the sustainability of mineral processing plant practices. In terms of decarbonizing industry, Corem is focusing on the firing or induration of iron ore pellets, a major CO₂ generator. With its members, Corem is developing a cold-agglomeration process using binders that enable low-temperature hardening. The adoption of a cold-pelletizing process in a single plant could reduce emissions by almost 1 million tons of CO₂. Started in 2024, the project's first aim is to develop a screening tool for evaluating binders for cold-bonded agglomerates. A method for comparing the end-product chemistry and CO₂ emissions of cold-bonded agglomerates and other blast furnace charge materials is currently being developed.

Corem is also involved in a number of projects aimed at improving energy efficiency in mineral processing, particularly in grinding. Pilot-plant work on an ArcelorMittal concentrate demonstrated that the use of discharge grates in grinding mills significantly reduced the energy consumed during grinding. Energy consumption was reduced by 8% to obtain the same product. Literature data also shows that, in general, energy savings are greater at the industrial scale than at the pilot scale, reaching 20% or even 40%. In 2025, Corem will conduct a study to evaluate the implementation of discharge grates at two member operations, the Goldex (Agnico Eagle) and Westwood (IAMGOLD) mines, with the aim of industrial production in 2026.

The quality of effluents from mineral processing plants is also addressed in Corem's Precompetitive Research

Program. Thickeners reduce the amount of suspended solids in process water and minimize the amount of water sent to the tailings pond. However, controlling this equipment can be complex, and few methods exist to help optimize its performance. Corem is therefore developing an instrumented pilot thickener to carry out tests in a controlled environment and support the operations of its members. Tests conducted with this pilot equipment in 2024 were able to replicate the conditions at the Raglan (Glencore) and Canadian Malartic (Agnico Eagle) plants. They also demonstrated that it was possible to thicken a 15% diluted Canadian Malartic process stream into a 60% to 65% solids pulp, as targeted by the plant. Corem is thus in a position to act as an external laboratory for thickener optimization tests, and to validate the recommendations of equipment manufacturers and chemical suppliers in the sector.





**“Successful innovation
transforms resources into shared
wealth, today and tomorrow.”**



Corem, a partner of choice for technological development

Corem collaborates with numerous manufacturers and technology developers to demonstrate and improve the metallurgical performance of new equipment. Thanks to its close ties with its members, Corem is a partner of choice for promoting the acceptance of new technologies in industry.

FLSmidth has developed a continuous gravimetric concentrator, the CVD64. By collaborating with FLS, Corem aims to optimize its operation to maximize gold recovery and help FLS build a robust simulator for the equipment. A pilot plant was set up at Corem using the CVD6 separator to replicate the operation of the CVD64, installed at the Meadowbank plant (Agnico Eagle). Following this work, modifications to the CVD64 design were suggested to FLS, and modifications to the CVD64 operation were proposed to the Meadowbank team to improve their metallurgical performance.

Corem is also collaborating with manufacturer Paul Wurth on the demonstration of its pellet grate inspection tool. The condition of the grates has a major influence on the flow of gases through the pellet bed and on product quality. Corem's project aims to link the information from the inspection system with the quality of the pellets produced. This new digital

vision system has made it possible to quantify and reduce losses in thermal efficiency and productivity, making it easier to plan and choose the best time to carry out shutdowns and maintenance operations. Significant gains have also been achieved in terms of worker safety, ergonomics, and health, by reducing the need for close-up inspections of the furnace at high temperatures and in motion. As a result, IOC's plant chose to acquire several systems for all its furnaces.

Finally, Corem conducted demonstration tests of CAHM grinding technology in 2024, whose prototype is installed in its pilot plant. This technology is being developed by the Canadian Mining Innovation Council (CMIC) through the company ReThink Milling. It promises energy savings of over 60% for the same type of grinding as autogenous and semi-autogenous grinding mills.

Critical and strategic minerals

Corem plays an important role in the development of critical and strategic minerals (CSMs) in Quebec and Canada. In addition to leading a research program aimed at developing extraction technologies with the CTRI through Elements08, Corem has continued to increase its involvement in CSMs, completing more than 90 projects in 2024 aimed at extracting minerals such as lithium, graphite, nickel, and phosphate, as well as producing high-purity iron, recycling battery materials, and more. Corem supports future CSM

producers in the development of their treatment processes, from the laboratory to pilot scale. Corem's involvement in this type of project also extends to the acquisition of geometallurgical knowledge of CSM deposits and the valorization of by-products generated by the treatment process. By accelerating the time-to-market for a number of CSMs, Corem aims not only to stimulate innovation, but also to strengthen Quebec's leading expertise in this field.

ESG contribution



ENVIRONMENT

Develop a culture of sustainable development



SOCIAL

Exemplarity as a corporate citizen for all stakeholders



GOVERNANCE

Maintain the best standards of governance

Environment and sustainable development



Environmental approach

Corem contributes to the development of a sustainable mining industry through its research activities, which propose solutions to reduce the environmental impact of its members' and clients' mining operations. And it is organically that the environmental approach finds itself at the core of its operations.

In 2023, Corem adopted an environmental policy with a corporate commitment to protect the environment in three major ways: 1) preventing pollution and protecting the environment, 2) contributing to the fight against climate change and reducing pollution, and 3) collaborating with its stakeholders by favouring suppliers, partners, and clients whose business practices respect the environment.

Environmental management system

At the operational level, Corem maintains and continually improves an ISO 14001-certified environmental management system. Following the example of innovative solutions developed for the mining industry, Corem monitors all its solid, liquid, and gaseous emissions, with the aim of reducing the environmental impact of its activities. The eco-responsible committee, made up of volunteer employees, contributes to the implementation of the environmental action plan.

This year's highlights include the awarding of the "ICI on recycle +" certification, in recognition of the actions we have taken to manage our residual materials. In addition, following the amendment of the ISO 14001 system, the first steps are being taken to establish the possible and respective impacts of climate change and our operations. At the same time, we are reflecting on our current and future sustainable development initiatives.

Corem, a living environment for 25 years



25 years of expertise

In this anniversary year, we would like to highlight 25 years of expertise in mineral processing. Thanks to our dedicated staff, we are able to accomplish our mission for the benefit of a sustainable mining industry. More than 10% of our current team members were present when Corem was founded. Through the complementary nature of their expertise, their variety of jobs and professions, their backgrounds and origins, this diversity enables us to provide the mining industry with multidisciplinary teams to develop the knowledge, technologies, and processes needed to create value.

Occupational health and safety remained a top priority for our workers in 2024. We strive to maintain the highest standards of health and safety, against a backdrop of constantly evolving standards. The implementation of proactive and preventive measures enables us to improve our practices to ensure a safe and healthy working environment.

Thanks to the contribution of its employees, Corem continues its involvement in the community. The United Way campaign raised just over \$11,000 in 2024. Corem has also continued to support training and education through various student scholarships.



Social club

As usual, our social club “Les Mines-Héros” made an active contribution to the corporate environment. In addition to the traditional sugar shack, barbecue, Capitales de Québec, corn roast, field hockey pool, and Christmas dinner, we enjoyed original activities such as a chocolate fountain for Easter, a bowling happy hour, an ice cream truck, and a mini-pumpkin decorating contest, among others. The organizing committee provided entertaining moments for our employees, contributing to a dynamic corporate environment.





Our expertise beyond Corem

Thanks to its recognized expertise, Corem extends its contribution to the mineral industry ecosystem through its involvement in the governance of other organizations. By actively participating in a number of boards and committees in the mining sector, we take part in innovation beyond our organization.

Committee member

- Centre E4m of Université Laval Management Office
- Canadian committee ISO/TC 102 – Iron ore and direct reduced iron (Vice-Chair)
- Critical Minerals Council, Canadian Chamber of Commerce
- CSM Network Steering Committee
- Green Mining Initiative Advisory Committee – CanmetMines
- Mining Advisory Committee – Quebec Ministry of Natural Resources and Forests
- Elements08 Executive Committee
- Institut nordique du Québec Executive Committee
- CMP Côte Nord-Labrador Organizing Committee
- Institut national de la recherche scientifique Scientific Committee
- Canadian subcommittee ISO/TC 102/SC 3 – Physical testing (Chair)

Director of Board of Directors

- Quebec Mineral Exploration Association
- MISA Group (centre for stimulating innovation in Quebec's mining sector and maximizing benefits from the mineral sector) (Director and Chair of the governance committee)
- Innoventures Canada (Chair)
- PRIMA Québec (Advanced Materials Research and Innovation hub of Quebec)
- Women in Mining Québec

Corem in numbers

\$23M

ANNUAL BUDGET

\$5.3M

Investment in the pre-competitive research program

\$10

Operational benefits per dollar invested by our industry members

226

Technological transfers and contracts

281

Number of projects annually

3

Licensed technologies

3

Patented technologies

(South Africa, Australia, Brazil, Canada and the United States)

Types of ore processed

PRECIOUS METALS

BASE METALS

TITANIUM-BEARING ORES

CRITICAL AND STRATEGIC MINERALS

IRON ORE

MINERAL SANDS

INDUSTRIAL MINERALS

LAARMANN

Innovators in Solutions

RAPPORT D'ACTIVITES 2020

“Creating value also means investing in solutions that preserve resources and reinforce our positive impact.”



Influence

In 2024, Corem continued its efforts to upgrade its brand image and assert its position as a key player in mineral processing. The year was marked by the complete overhaul of our corporate video, an essential step in the gradual deployment of our new visual identity.

In line with this, we implemented a content strategy adapted to the various communication channels, ensuring consistent and impactful dissemination of our brand. Corem's 25th anniversary was also a unique opportunity to enhance our reputation, through

initiatives and events that strengthened our presence and commitment to our members and partners. Thanks to these actions, Corem has consolidated its visibility and influence, affirming its role as a benchmark within the industry.

Social media



94,260

ORGANIC
IMPRESSIONS

+15.1%

81,898 in 2022-2023



3,286

NEW UNIQUE
VISITORS

+36.9%

2,400 in 2022-2023

brand awareness
indicator

+684

NEW
SUBSCRIBERS

content reach
indicator

+48

NEW
SUBSCRIBERS

Website



24,100

UNIQUE VISITORS

27,800 in 2022-2023



65,900

PAGE VIEWS

63,200 in 2022-2023

Corporate video

This project marks a key step: that of a visual identity which evolves, innovates and more faithfully reflects our vision.



[Watch the new corporate video](#)

Participation in events

- **56th Annual Canadian Mineral Processors Conference, January 23-25, 2024, Ottawa (Ontario)**
 - *Case studies of particle sorting production tests on copper, gold and polyhalite ore samples using varied sensors (DE-XRT, color, SWIR)*. Authors: P. Mercier, O. Gravel
 - *The Bond Legacy*. Authors: R. E. McIvor, C. Gagnon, J. Finch, B. Conger
- **SME Annual Conference & Expo, February 24-27, 2024, Denver, Colorado (United States)**
 - *The Bond Legacy*. Authors: R. E. McIvor, C. Gagnon, J. Finch, B. Conger
- **Conférence État de l'or et des minéraux stratégiques au Québec, April 3-4, 2024, Québec (Quebec)**
 - Round table moderation: *Économie circulaire : Défis de la récupération des minéraux et métaux stratégiques*. Moderator: Francis Fournier
- **CMP Côte-Nord & Labrador, April 17-18, 2024, Sept-Îles (Quebec)**
 - Participation of Claude Gagnon on the organizing committee
 - *World's Challenges and Opportunities for Transition to Green Steel – R&D Perspective*. Authors: M. Garant, M. Dubé
- **Journées du Cuivre, May 2-3, 2024, Rouyn-Noranda (Quebec)**
 - *Introduction au traitement du minerai de cuivre : principe, limites et pistes d'amélioration*. Author: P. Laflamme
- **Escouade Énergie : Sommet de recherche appliquée – Batteries du futur et hydrogène vert, May 15-17, 2024, Shawinigan (Quebec)**
 - Participation of Francis Fournier in a panel discussion
- **Mine Intelligente et Autonome – École d'été, June 3-6, 2024, Rouyn-Noranda (Quebec)**
 - *Le broyage : capitaliser sur des technologies existantes*. Author: C. Gagnon
- **10th Seminar on Ore Agglomeration (8th ABM Week), September 3-5, 2024, São Paulo (Brazil)**
 - *A new approach to testing iron ore reduction under industrial conditions*. Authors: D. Braga, M. Dubé, M. Alba, R. S. Sampaio
- **XXXI IMPC – International Mineral Processing Congress, Sept. 29-Oct. 3, 2024, National Harbor, Maryland (United States)**
 - *Sensor-based particle sorting on critical minerals ore samples for lithium, scandium and other rare earth elements*. Authors: P. H. J. Mercier, O. Gravel, A. Di Feo, S. Shahsavari, M. Sauber
 - *Effects of the Discharge Design on Wet Grinding Mill Performance*. Authors: S. Makni, R. E. McIvor
- **Conférence État du fer au Québec, October 2-3, 2024, Québec (Quebec)**
 - Round table moderation: *Fer et acier : l'énergie au cœur du développement et de la transformation de la ressource*. Moderator: Francis Fournier
- **Québec Mines + Énergie, November 18-21, 2024, Québec (Quebec)**
 - Award for excellence in mining innovation from the CRITM network of critical and strategic metals: *Caractérisation minéralogique quantitative automatisée en microscopie optique et applications à l'étude de minerais dans le cadre d'une approche géométallurgique*. Author: B. De Castro
 - Session organization: *La décarbonation dans l'industrie minière*. Session chairs: Claude Gagnon (Corem) and Jean Cayouette (Nouveau Monde Graphite)
- **Xplor 2024, October 28-31, 2024, Montréal (Quebec)**
 - Session organization: *Méthodes géométallurgiques : caractérisation et optimisation de la mine*. Session chairs: Sylvie Lévesque and Alexander Ure

Exhibitions

- PDAC 2024, March 3-6, 2024, Toronto (Ontario)
- Conférence État de l'or et des minéraux stratégiques au Québec, April 3-4, 2024, Québec (Quebec)
- CIM Connect 2024, May 12-15, 2024, Vancouver (British Columbia)
- Conférence État du fer au Québec, October 2-3, 2024, Québec (Quebec)
- Xplor 2024, October 28-31, 2024, Montréal (Quebec)
- Québec Mines + Énergie, November 18-21, 2024, Québec (Quebec)

Publications

- C. B. Cavalcanti, G. F. N. Wanderley, D. Braga, R. P. Brito, L. G. S. Vasconcelos, K. D. Brito. *Rigorous modeling of the Traveling Grate stage in the iron ore pellet induration process*. Journal of Materials Research and Technology, July-August 2024.
- P. H. J. Mercier, O. Gravel, A. Di Feo, S. Shahsavari, M. Sauber. *Sensor-based particle sorting on critical minerals ore samples for lithium, scandium and other rare earth elements*. Society for Mining, Metallurgy & Exploration (SME), December 2024.

Celebrating our 25th anniversary

Corem celebrated its 25th anniversary with two major events, highlighting its history, its evolution, and the people who contribute to its success.

Our first event was an open house at our facilities, dedicated to employees and their families. In the morning, visitors had the opportunity to discover our workplaces and learn more about our activities through immersive guided tours. The day continued in a festive atmosphere with a food truck lunch, accompanied by a chansonnier, varied entertainment, and inflatable games for the enjoyment of all. It was a privileged moment of sharing and pride for our team. A cocktail reception followed, bringing together Corem members, clients, partners, and collaborators.

The evening was marked by speeches highlighting Corem's origins, evolution, and achievements over the years. It was also an opportunity to thank and honour the people who make our mission possible. Guests then enjoyed a convivial evening, encouraging exchanges and networking, all accompanied by a live musical performance. This celebration brought the Corem family together and highlighted the spirit of collaboration and innovation that has driven us for 25 years.

September 28 – The family celebration



December 2 – The Corporate Event



corem

1180, rue de la Minéralogie
Québec (Québec)
Canada G1N 1X7

corem.qc.ca

2nd quarter 2025
978-2-922734-39-3
Legal deposit: Bibliothèque nationale du Québec
Legal deposit: Library and Archives Canada

Financial partners

Québec 

 Canada Economic
Development
for Quebec Regions

Développement
économique Canada
pour les régions du Québec

Canada

ISO Certifications

