



2025 **ACTIVITY REPORT**

corem | Innovation in
mineral processing



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Chairwoman of the Board's message

The year 2025 unfolded against a backdrop still marked by economic and geopolitical challenges affecting the global mining industry. Despite persistent market volatility for certain minerals, demand for strategic and critical minerals remained strong, supported by governments' commitment to strengthening supply chains and accelerating the energy transition. In this context, programs supporting innovation and research remained key drivers for the sector.

Corem continued to position itself as a strategic research and innovation partner for the mining industry, focusing on scientific excellence, collaboration, and value creation for its members and clients. Precompetitive and contract research activities continued to play a key role in developing sustainable, high-performance solutions tailored to the industry's needs.

In terms of governance, the Board of Directors continued its work to ensure sound management of the organization, supporting management in implementing strategic directions and ensuring that decisions align with Corem's mission and values. As Chairwoman of the Board, I would like to thank Angela Hamelin, Jean-François Leroux, and André Zaccarin, who have completed their respective three-term tenures on the Board, and to welcome the new Board members who joined us in 2025.

ANGELA KOUROUKLIS, CRIA, MBA

CHAIRWOMAN OF THE BOARD

President and CEO's message

In 2025, Corem continued its efforts to create value for its members and clients through its precompetitive research program, collaborative projects, and contract research activities. The projects carried out generated tangible technological, economic, and environmental benefits, notably through process improvements, reduced environmental impacts, and support for mining operations.

The development of collaborative projects, the consolidation of strategic partnerships, and the industry's sustained interest in Corem's expertise contributed to the growth of our activities. In collaboration with the Board of Directors, the organization revised its strategic planning to focus our efforts on targeted actions that allow us to optimize the use of our resources.

The health and safety of our employees remained a constant priority, integrated into daily practices and project management processes. The teams' commitment, rigour, and adaptability were crucial in addressing operational challenges and meeting the high expectations of members and clients.

I would like to sincerely thank all Corem staff for their professionalism and dedication, as well as the members of the Board for their support, contributions, and trust throughout 2025.

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 specialized in mineral processing. We provide mining companies and solutions providers with research and development services aimed at optimizing and advancing mineral processing methods. Recognized for our cutting-edge expertise, we stand out for our close ties to the mining industry and our ability to effectively meet its research and innovation needs. Our strength also lies in our state-of-the-art facilities and equipment, cutting-edge laboratories, and strategic partnerships with industry, academic, and government sectors.

Creating value

Corem works closely with its members, clients, and partners to strengthen the competitiveness of the mining industry while helping to reduce its environmental footprint through innovative solutions.

- Process development and optimization
- Performance improvement
 - Metallurgical
 - Energy
 - Environmental
 - GHG emissions reduction
- Development and valorization of mine deposits and tailings
- Refinement of processes for the processing of minerals with higher added value

Business model

Business model centred on 3 types of services:

- Precompetitive research program for mining companies and equipment suppliers members of Corem. Research, development, and innovation through the pooling of issues, human, material, and financial resources, and the sharing of results among all of Corem's industrial members and government partners.
- Collaborative research and innovation for mining companies in exploration, development, and operation, equipment suppliers, and engineering firms. Development of technologies through joint funding by 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



AGGLOMERATION 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

UNE COMPAGNIE DE MAGRIS RESSOURCES

Niobec

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

RioTinto | IOC

Rio Tinto – IOC Mining Company

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

Our associate members

FLS

FLSmidth

Midvale, Utah (United States)



Métal 7

Sept-Îles (Quebec)

Our partners

RESEARCH

- AMIRA International, Melbourne (Australia)
- Centre technologique des résidus industriels (CTRI), Rouyn-Noranda (Quebec)
- IVADO Labs, Montréal (Quebec)
- National Research Council of Canada (NRC)
- Natural Resources Canada (CanmetMINES), Ottawa (Ontario)
- Research Institute on Mines and the Environment (RIME)
- Rethink Mining, Toronto (Ontario)
- Universities
 - Curtin University, Perth (Australia)
 - Eau Terre Environnement Research Centre (INRS), Québec (Quebec)
 - École Polytechnique de Montréal (Quebec)
 - McGill University, Montréal (Quebec)
 - Queen's University, Kingston (Ontario)
 - Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda (Québec)
 - Université Laval, Québec (Quebec)

INDUSTRIAL

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

Agnico Eagle Mines [AEM] has been a member of Corem's Precompetitive Research Committee for several decades, a testament to the program's proven track record and added value. The return on investment generated by each dollar [AEM] invests in this precompetitive research program far exceeds our expectations. Monthly liaison meetings between Corem researchers and representatives from our various divisions facilitate the identification of concrete solutions and ensure close alignment with our strategic priorities.

In addition, several Corem researchers actively contribute to our technical committees within member plants, with a focus on reducing unit operating costs and improving metallurgical recoveries. Finally, Corem's pilot plant facilities—recognized as world-class—are an integral part of our portfolio of external laboratories with which we develop strategic partnerships.

- **François Robichaud**
Corporate Senior Advisor Mineral Processing & Metallurgy
Agnico Eagle Mines Limited

Lomiko Metals has been working with Corem for about 5 years on graphite processing and purification. The work that has been completed to date led to learning and understanding our graphite characteristics and enabling us to produce first-class graphite concentrates and coated materials that can be used for industrial applications and qualification processes. The Corem team is very professional and helpful, and a pleasure to work with.

- **Gordana Slepcev**
President & CEO
Lomiko Metals Inc.

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, Secretary of the Board)
Raymond Chabot Grant Thornton

Yves Breau
Kinross Gold Corporation

Eman Ebrahim
Bahrain Steel BSCC E.C.

Francis Fournier (President and CEO)
Corem

Benjamin Gross
Fasken

Guy Laliberté
Lightening Grid Québec

Martin Lamothe
Glencore – Raglan Mine

Anna Malevich
IAMGOLD Corporation

Rolf Stösser
Rio Tinto – IOC Mining Company of Canada

Hugo Villeneuve
ArcelorMittal Mining Canada

Karim Zaghib
Concordia University

Observers

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

Jocelyn Douheret
Ministère des Ressources naturelles et des Forêts
Gouvernement du Québec

Emmanuelle Toussaint
Association minière du Québec (AMQ)

Corem played a decisive role in advancing the mineral processing flowsheet of our Tardiff deposit. Their rigorous approach provided a clear and structured understanding of our ore's potential. Their team demonstrates strong technical expertise to adapt processing strategies to the specific challenges of our REE deposit. The results delivered by Corem provide useful input for our technical decision-making and ongoing project development.

– **Lisa Riley**
Managing Director & CEO
Vital Metals

Strategy committee (7 meetings)

Angela Kourouklis (Chairwoman of the Committee)
Quebec Iron Ore

Yves Breau
Kinross Gold Corporation

Benjamin Gross
Fasken

Marc Lafontaine
Agnico Eagle

Guy Laliberté
Lightening Grid Québec

Audit committee (4 meetings)

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

Martin Lamothe
Glencore – Raglan Mine

Anna Malevich
IAMGOLD Corporation

Rolf Stösser
Rio Tinto – IOC Mining Company of Canada

Hugo Villeneuve
ArcelorMittal Mining Canada

Management

Francis Fournier
President and CEO

Sylvie Lévesque
Deputy CEO

Claude Gagnon
Scientific Director – Mineral Processing

Benoît Levasseur
Scientific Director – Mineral Processing

Francis Pelletier
Director – Organizational Development
and Human Resources

Éric Tremblay
Director – Infrastructure and Operational Planning



Precompetitive 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)

Agnico Eagle

Benjamin Légaré (Vice-Chairman)

Quebec Iron Ore

Jean-Sébastien Marois (Vice-Chairman)

Niobec

Jean-Nicolas Allaire

Newmont – Éléonore

Denilson Araujo

Bahrain Steel BSCC E.C.

Christopher Arnold

FLSmith

Gnouyaro Palla Assima

Agnico Eagle

Steve Beaudin

Métal 7

Caroline Belzile

IAMGOLD Corporation

Yves Breau

Kinross Gold Corporation

Marc Gravel

ArcelorMittal Mining Canada

Nijad Hamzeh

Rio Tinto – IOC Mining Company of Canada

Blair Kelly

Rio Tinto – IOC Mining Company of Canada

Nadia Ouellet

Glencore – Raglan Mine

Observers

Sandra Côté

Ministère des Ressources naturelles et des Forêts
Gouvernement du Québec

Tony Di Feo

CanmetMINES

SINCE ITS ESTABLISHMENT IN 1999

79

meetings

488

research projects

\$717M

in benefits

\$140M

in total
budget

\$11

in benefits
(per dollar invested
for a member)

Squads



EXECUTIVE

Leader
François Robichaud
Agnico Eagle



FLOTATION

Leader
Gnouyaro Palla Assima
Agnico Eagle



PHYSICAL SEPARATION

Leader
Benjamin Légaré
Quebec Iron Ore



EXTRACTIVE METALLURGY

Leader
Yanick Dumais
Agnico Eagle



COMMINUTION

Leader
Jean-Philippe Thivierge
Agnico Eagle



AGGLOMERATION AND THERMAL PROCESSES

Leader
Blair Kelly
IOC Mining Company of Canada



INNOVATIVE SOLUTIONS

Leader
Mathieu Doucette
Newmont

Highlights

Accelerating the adoption of Industry 4.0 technologies

Corem continues to serve as a catalyst for the development, adaptation, and transfer of Industry 4.0 technologies among its members. These initiatives aim to improve process control, strengthen operational decision-making, and promote the adoption of robust digital solutions tailored to the constraints of the mining industry.

In the field of iron ore agglomeration, Corem is continuing to develop a computer vision-based sensor capable of continuously measuring the moisture content of pellets in pelletizing discs and drums. Since moisture is a key variable that directly influences pellet formation and quality, this solution aims to provide an objective and repeatable measurement, replacing the visual estimates commonly used in plants. Following work on a laboratory-scale prototype, a semi-industrial system was designed and prepared for deployment at an IOC plant. Work carried out in 2025 helped consolidate the system's hardware and software architecture, including the integration of artificial intelligence models capable of operating locally, without reliance on external connectivity, to meet the operational and cybersecurity requirements of industrial sites.

Corem also continued its collaboration with Jumine on the deployment and evolution of the OptimaVue-Flotation solution, an anomaly detector for flotation based on computer vision and artificial intelligence. This solution enables continuous monitoring of flotation circuit behaviour and early detection of abnormal conditions such as hydrodynamic instabilities, foam variations, or

process deviations. In 2025, significant efforts were devoted to training and retraining the models directly on-site, enabling the solution to be adapted to the specific characteristics of each circuit, as well as to improving user interfaces to facilitate historical analysis, operational monitoring, and the adoption of the tool by operators and metallurgists.

Finally, Corem continued the development and validation of the C.H.E.P. system, a portable tool specifically designed to perform in-depth hydrodynamic audits of flotation cells. Easily deployable in the plant, C.H.E.P. enables the reliable and reproducible characterization of hydrodynamic conditions, such as gas distribution, bubble dynamics, and mixing parameters. By providing directly actionable diagnostics, this tool supports the optimization of operating parameters and reagent dosing, while reducing the complexity and time required to perform this type of audit.

Together, these projects illustrate Corem's commitment to developing concrete, transferable Industry 4.0 technologies that are directly useful for the sustainable improvement of its members' operational performance.



Decarbonization and energy efficiency

Against the backdrop of the energy transition and growing pressure to reduce the carbon footprint of the mining and metals industry, Corem continues its work to support the decarbonization of processes and the improvement of their energy efficiency. In 2025, several key projects generated knowledge, tools, and concrete solutions to support its members' technological and operational decisions.

In the iron ore sector, Corem continues to develop methods for qualifying pellets intended for direct reduction processes, notably through the Corem R300 test. The work conducted in 2025 has deepened our understanding of pellet behaviour during reduction, particularly the phenomenon of clustering. The tests have made it possible to distinguish the influence of isothermal and non-isothermal conditions and to show that the mechanisms at play go beyond the mere formation of whiskers. This new knowledge serves as a key driver for developing strategies to limit clustering and adapt products to the growing demands of direct reduction processes.

Concurrently, Corem continued its work on direct reduction using hydrogen as a substitute for natural gas. Anticipated industrial conditions were analyzed and replicated on a laboratory scale, including scenarios involving partial and total substitution. This work aims to evaluate the behaviour of various sintering products in scenarios compatible with steelmakers' carbon-neutrality trajectories.

In terms of energy efficiency, Corem continued to characterize the grindability and efficiency of grinding circuits at its member facilities. This work has enriched a database on plant energy performance, used to compare existing prediction methods and identify concrete opportunities for improvement. These analyses also supported the advancement of the project on discharge grids in grinding mills, whose tests demonstrated significant potential for reducing energy consumption, paving the way for future industrial implementations.

Together, these projects directly contribute to the industry's decarbonization and energy optimization goals, while strengthening Corem's ability to support its members in their short- and long-term technology choices.



From science to on-site impact

Corem conducts research aimed at deepening our understanding of the physicochemical and mechanical phenomena that govern mineral processing operations, with the goal of developing measurement tools and methods, diagnostic methodologies, and optimization strategies that can be directly applied in the plant. By relying on a rigorous characterization of these mechanisms, these projects bridge the gap between process science and concrete actions to improve metallurgical performance.

In flotation, Corem continues to develop electrochemical diagnostic approaches for pulps to better understand the state of mineral surfaces and the conditions that influence their floatability. This work aims to characterize the actual electrochemical conditions of the pulps and their impact on selectivity and recovery. By providing a more detailed diagnosis of the interactions between minerals, reagents, and the operating environment, this approach enables more effective guidance for adjusting process parameters and chemical conditioning in the plant.

In extractive metallurgy, Corem is developing methodologies for optimizing cyanidation based on ore reactivity and passivation phenomena. Studies conducted, notably on the Manh Choh and La Coipa ores, have highlighted the key role of lead nitrate and dissolved oxygen in improving leaching kinetics and recovery rates for gold and silver. This work illustrates how a better understanding

of reaction mechanisms enables the definition of more robust operating strategies adapted to ore variability.

Finally, in gravimetric separation, Corem continues its work on turn-by-turn analysis of spirals, combined with modelling of ore behaviour in this equipment. A detailed study of the influence of parameters such as wash water, the number of turns, and the position of the recovery spoons makes it possible to link particle trajectories to observed metallurgical performance. This work provides a solid scientific basis for optimizing spiral operation and reducing value losses in the plant.

Together, these projects demonstrate Corem's ability to transform fundamental process understanding into diagnostic tools and concrete solutions that generate measurable impacts on the operational performance of its members.



Corem across the entire mineral processing chain

Corem covers the entire mineral processing value chain, from mineral liberation and separation to the management of process water and final discharges. By integrating effluent-related issues from the very beginning of process understanding and optimization, Corem aims to develop solutions that not only reduce environmental impacts but also improve the robustness and overall performance of plant operations.

Corem continued its work on cyanide detoxification in the presence of sulfide minerals and the optimization of the SO_2 -air process. The studies provided a better understanding of the influence of sulfide species and operating conditions on the efficiency of cyanide destruction, as well as identifying key parameters that promote better process performance. In addition, Corem has developed non-biological approaches for the removal of ammonia from cyanidation circuits, demonstrating strong potential for reducing this contaminant load in process water.

Furthermore, Corem continued the development of an instrumented pilot thickener to better understand and optimize the behaviour of industrial thickeners. The tests conducted made it possible to reproduce, on a pilot scale, issues observed in the plant and to support optimization projects, particularly for the Raglan and Canadian Malartic sites. This work provides a solid experimental foundation for testing operational strategies aimed at improving the quality of clarified water, slurry stability, and the overall performance of thickeners.

Together, these projects help strengthen Corem members' ability to better manage their environmental impacts.

Strategic minerals for the energy transition and defence

Corem supports the efforts of Quebec and Canada to diversify their economies, achieve their energy transition goals, and meet the growing need for strategic investments, particularly in the defence sector. To this end, Corem is developing flowsheets for critical and strategic minerals, covering the entire value chain, from deposit characterization to the concentration, purification, and extraction stages.

Current work focuses in particular on graphite purification, lithium extraction, apatite processing, and nickel recovery—materials essential for the manufacture of battery precursors, the electrification of transportation, and several key technological and industrial applications. Drawing on its expertise in mineral processing and extractive metallurgy, Corem contributes to the development of robust processes tailored to the realities of Canadian projects, while promoting the establishment of local and secure supply chains.

Corem is working to establish new consortiums with developers of rare earth and other critical materials projects, with the aim of pooling expertise, reducing technological risks, and supporting Canada's strategic autonomy. The COL0153 project aims to develop and validate geometallurgical approaches and purification processes for the production of high-purity iron concentrates, a strategic input for low-carbon steel and certain applications related to the energy transition, including LFP batteries. Conducted by Corem in collaboration with industrial partners, the project identifies critical ore parameters and enables more predictive decision-making. The project is

funded under the program supporting projects of the Scientific Research Network for Critical and Strategic Minerals, with support from industrial partners, and contributes to decarbonizing the iron and steel value chain. Corem is also involved in the Éléments08 initiative, funded by the MEIE and developed with the CTRI, which serves as a research and innovation hub dedicated to the responsible development of critical and strategic minerals by integrating science, technological innovation, and environmental considerations. As part of this initiative, Corem has made a decisive contribution to advancing knowledge in several specialized fields, notably in the definition of geometallurgical processes and the hydrometallurgical treatment of lithium, as well as in the recovery of critical and strategic minerals present in plant tailings, particularly nickel and copper. The work carried out has identified innovative potential solutions and demonstrated significant economic and environmental benefits for industrial partners. At the same time, the progress in the technology readiness level (TRL) of these solutions has been demonstrated, highlighting their concrete potential for transfer to industrial applications.



**“To innovate is to transform
the invisible into concrete value.”**

ESG contribution



ENVIRONMENT

Develop a culture of sustainable development



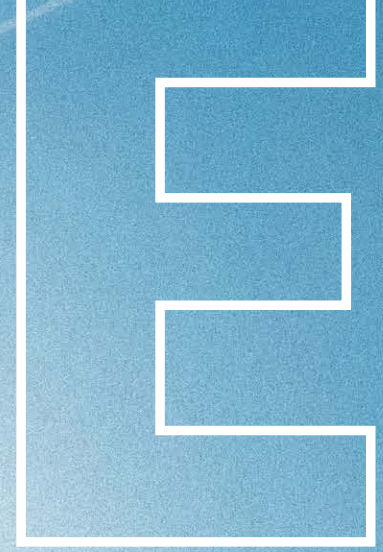
SOCIAL

Exemplarity as a corporate citizen for all stakeholders



GOVERNANCE

Maintain the best standards of governance



Environment and sustainable development

In 2025, Corem continued to improve its ISO 14001-certified Environmental Management System (EMS) in line with its environmental policy and corporate commitments. The EMS management review held in early 2025 assessed internal and external issues, risks, and opportunities, as well as the progress toward environmental objectives and targets, leading notably to the adoption of the 2025 environmental action plan.

Audits conducted during the year confirmed the robustness of the system and organizational commitment to continuous improvement, while identifying several opportunities for improvement, including the follow-up on corrective actions and the management of hazardous materials.

Furthermore, an environmental compliance audit covering the 2020-2025 period confirmed effective operational management of environmental obligations and identified specific non-conformities that are subject to corrective measures. The year 2025 also marked the first structured efforts related to assessing the impacts of climate change on Corem's operations, in accordance with the updated requirements of the ISO 14001 standard.

Finally, 2025 was marked by a significant increase in environmental awareness within the organization, supported by the implementation of a structured environmental communication plan. This plan helped improve employees' understanding of their roles and responsibilities regarding environmental compliance and performance. This change resulted in a notable improvement in the monitoring of liquid discharges, both in terms of operational rigour and daily vigilance, thereby contributing to better control of the environmental impacts associated with Corem's activities.



Corem, a living environment

In 2025, occupational health and safety remained at the heart of Corem’s priorities. In an environment where standards are constantly evolving, we are committed to maintaining the highest standards of health and safety. By adopting proactive and preventive approaches, we are able to continuously improve our practices and provide a healthy and safe work environment for our employees.

In addition, monthly meetings for discussion and information sharing with all staff members have also been maintained at our facilities. These special moments have fostered effective communication and strengthened organizational cohesion.

Deeply committed to social responsibility and concerned with the collective well-being, Corem continues its involvement in the community through the engagement of its employees. The 2025 Centraide campaign raised just over \$10,000, a contribution that reflects a shared commitment to generating positive outcomes. Furthermore, Corem has continued to support the next generation by contributing to various student scholarships.

With a clear commitment to contributing to the training of the next generation and leveraging its expertise, Corem has also been involved in the chemical engineering bachelor’s program at Université Laval. Three of Corem’s researchers—Benjamin De Castro, Patrick Laflamme, and Edgar Pérez—developed the course, totalling more than 21 hours of instruction. This initiative aims to spark interest in the field and contribute to the training of the next generation of professionals.



Social club

The “Les Mines-Héros” social club once again played a key role in fostering a vibrant corporate culture. In addition to traditional activities such as the sugar shack, barbecue, Capitales de Québec, corn roast, and field hockey pool, several unique activities were organized throughout the year. These included an Easter egg hunt, a bowling happy hour, and two visits from an ice cream truck. The year concluded with the traditional Christmas appreciation party.

Thanks to the organizing committee’s dedication, these activities provided opportunities for community building and entertainment, actively contributing to the vibrancy and quality of life at Corem.



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

- Canadian committee ISO/TC 102 – Iron ore and direct reduced iron (Vice-Chair)
- Canadian subcommittee ISO/TC 102/SC 3 – Physical testing (Chair)
- Centre E4m of Université Laval Management Office
- CMP Côte Nord-Labrador Organizing Committee
- Committee representing the CIM Quebec Branch
- Critical Minerals Council, Canadian Chamber of Commerce
- Éléments08 Executive Committee
- Green Mining Initiative Advisory Committee – CanmetMines
- Institut nordique du Québec Executive Committee
- Mining Advisory Committee – ministère des Ressources naturelles et des Forêts du Québec
- Réseau MCS Steering Committee

Director of Board of Directors

- Innoventures Canada (CAIRTO)
- Quebec Mineral Exploration Association
- Mining Association of Canada (observer)
- MISA Group (Director and Chair of the governance committee)
- Sillons
- Vallée de la Transition Énergétique
- Women in Mining Québec

Corem in numbers

\$24.7M

ANNUAL BUDGET

\$4.9M

Investment in the precompetitive research program

\$11

Operational benefits per dollar invested by our industry members

206

Technological transfers and contracts

283

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



**“Sustainable performance
begins with informed choices.”**

Influence

In 2025, Corem continued its efforts to strengthen its brand image and maintain a strong position within the mineral processing industry. With a focus on continuity, our communication initiatives were geared toward optimizing the tools and practices implemented over the past few years.

Particular attention was paid to the consistency and quality of content published across our various platforms, ensuring a presence aligned with our identity. This approach helped support our outreach objectives by promoting clear communication tailored to our target audiences.

Furthermore, these efforts have helped maintain the visibility of Corem and its partners, while amplifying the reach of our messages and deepening understanding of our expertise. By prioritizing consistency and relevance in our communications, Corem continues to solidify its role as a leader within the industry.

With this in mind, Corem has also maintained an active presence at key industry events. Our experts have made concrete contributions to these discussions by participating in panels, moderating discussions, chairing sessions, and offering specialized workshops.

These engagements have highlighted Corem's expertise on strategic issues such as critical and strategic minerals, geometallurgy, innovation, and the energy transition. By fostering dialogue and knowledge sharing, Corem reinforces its role as a committed stakeholder and actively contributes to the advancement of the industry.



Participation in events

- 57th Annual Canadian Mineral Processors Conference, January 21–23, 2025, Ottawa (Ontario)
 - *The effect of fines on ball milling performance*. Authors: E. Pérez, R. McIvor, S. Makni, C. Gagnon
 - *Advancements in Gas Dispersion Audits for Flotation Process Optimization Using the C.H.E.P. Device*. Authors: O. Gravel, M. Lepage
- International Conference on Sustainable Cokemaking and Ironmaking, March 16–19, 2025, Newcastle (Australia)
 - *Evaluation of iron products quality for direct reduction*. Authors: M. Dubé, G. Laforest, M. Garant
- Colloque annuel de la section de Québec de l'ICM, March 27, 2025, Québec (Quebec)
 - Round table moderation: *Les défis du traitement des minerais de lithium*. Moderator: Driss Mrabet
- Conférence État de l'or et des minéraux stratégiques au Québec, April 1–3, 2025, Québec (Quebec)
 - Round table panelist: *La géométtallurgie, la métallurgie et l'exploitation des minéraux critiques et stratégiques*. Panelist: Sylvie Lévesque
- SME Minnesota Conference, April 7–9, 2025, Virginia, Minnesota (United States)
 - *Optimizing Flotation Flowsheets for High-Purity Iron Concentrate Approach to Iron Flotation*. Authors: L. Boisvert, M. Alvarez Silva, K. Turgeon, A. Ure, M. Faucher, A. Elmahdy, P. Laflamme
- CMP Côte-Nord & Labrador, April 23–24, 2025, Sept-Îles (Quebec)
 - *Optimizing Flotation Flowsheets for High-Purity Iron Concentrate Approach to Iron Flotation*. Authors: L. Boisvert, M. Alvarez Silva, K. Turgeon, A. Ure, M. Faucher, A. Elmahdy, P. Laflamme
- CIM Connect, May 4–7, 2025, Montréal (Quebec)
 - Session organization: *Un avenir axé sur les mines vertes : l'avenir de l'extraction des ressources*. Session chair: Benoît Levasseur
 - Round table moderation: *Innovation et transition énergétique dans le secteur minier*. Moderator: Francis Fournier
- CMP Nord-Ouest Québécois, September 17–19, 2025, Rouyn-Noranda (Quebec)
 - *Défis de la caractérisation minéralogique des minerais aurifères dans le cadre d'une approche géométtallurgique*. Author: B. De Castro
- International meeting of the ISO/TC 102 committee, October 6–9, 2025, Perth (Australia)
 - Participation in technical committees: Michel Garant and Guylaine Laforest
- Xplor 2025, October 27–30, 2025, Montréal (Quebec)
 - Workshop organization: *Géométtallurgie : principes fondamentaux, méthodes de caractérisation et applications industrielles*. Moderators: Sylvie Lévesque and Laurence Boisvert
 - Session organization: *Géométtallurgie intégrée: réduire l'incertitude, maximiser la valeur*. Session chairs: Sylvie Lévesque and Alexander Ure
 - Conférence Women in Mining – Section Québec: *Femmes en exploration : Un demi-siècle d'évolution*. Panelist: Sylvie Lévesque
- Québec Mines + Énergie, November 17–20, 2025, Québec (Quebec)
 - Round table organization: *Introduction – Historique, présent et futur d'Éléments08*. Session chair: Francis Fournier; Panelist: Sylvie Lévesque
 - Session organization: *Éléments08 : science, stratégie et partenariats au service des MCS*. Session chair: Benoît Levasseur; Presenters: Driss Mrabet and Alexander Ure
 - Session organization: *La décarbonation dans l'extraction et la concentration du minerai*. Session chair: Claude Gagnon

Courses

- Université Laval, Department of Chemical Engineering. Courses on mineral processing taught by scientific experts from Corem: Benjamin De Castro, Edgar Pérez, and Patrick Laflamme

Publications

- B. Zukas, D. Mrabet, K. Turgeon, C.-O. Fournier. *Pilot Scale Regeneration of Aluminum Fluoride from Pure Bath*. Light Metals 2025, March 2025.
- E. Jorjani, J. Sauvageau, D. Mrabet, M. Rejeb. *Advances in Lithium Extraction from Spodumene: Alternatives to Sulfuric Acid Digestion*. Minerals, May 2025.

Exhibitions

- PDAC 2025, March 2–5, 2025, Toronto (Ontario)
- Conférence État de l'or et des minéraux stratégiques au Québec, April 1–3, 2025, Québec (Quebec)
- CIM Connect, May 4–7, 2025, Montréal (Quebec)
- Explo Abitibi, May 27–28, 2025, Val-d'Or (Quebec)
- Xplor 2025, October 27–30, 2025, Montréal (Quebec)
- Québec Mines + Énergie, November 17–20, 2025, Québec (Quebec)

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