

Corem and Mining & Process Solutions join forces in R&D for the benefit of the sustainable mining industry

Quebec, Canada, July 23, 2020 – Corem is proud to announce an R&D partnership with Mining & Process Solutions (MPS) of Perth, Australia, for their GlyLeach™ and GlyCat™ Processes. In addition to pilot tests carried out in its state-of-the-art facilities, Corem will collaborate with MPS in the development of a nickel ore leaching process based on GlyLeach™ technology.

Glycine leaching with GlyLeach™ is an environmentally benign hydrometallurgical process that will leach copper, nickel, cobalt and zinc from oxide, mixed oxide, supergene, and primary sulphide ores.

This new technology is capable of extracting base and precious metals from oxide and sulphide ores in an environmentally friendly and low-cost manner. Glycine is the simplest and cheapest amino acid and is available in different grades. It is an environmentally safe and stable reagent and is biodegradable and easily metabolized in most living organisms.

Thanks to the R&D processes to be carried out by Corem in collaboration with MPS, mining companies in exploration and development will be able to achieve a substantial reduction in their environmental footprint. This element is crucial in the development of mining projects located close to inhabitable areas.

Francis Fournier, President and CEO of Corem, emphasizes: “The Quebec, Canadian and global mining industry we serve in terms of expertise and innovation in mineral processing will be a winner. Thanks to our partnership with MPS, we will offer our members and clients one more avenue to future processes in an environmentally friendly approach. ”

Ivor Bryan, Managing Director for MPS, commented: “The partnership provided access to state-of-the-art facilities and capability at Corem that would allow potential users of the technology to fully evaluate the Glycine technology. We are looking forward to working collaboratively with the Corem team to the benefit of their members and clients.”

About Mining & Process Solutions (MPS)

Mining & Process Solutions holds exclusive rights to the innovative GlyLeach™ and GlyCat™ processes developed in collaboration with the Curtin University. MPS operates a test centre in its facilities in Perth, Australia, and has a network of partner laboratories globally that are able to test and pilot ores for the mining industry.

About GlyLeach™ and GlyCat™ Processes

GlyCat™ is a variation of GlyLeach™. It involves a cyanide and recyclable glycine lixiviant mix to leach precious metals. It requires substantially less cyanide (typically 50 to 70% less) where there is elevated copper content in the ore. It also results in tailings having no free and much lower WAD cyanide levels and so avoids the need to have cyanide destruction processes currently a component of many gold processing operations.

About Corem

Corem, a centre of expertise and innovation in mineral processing, has the largest concentration of resources dedicated to R&D in this field in Canada. Corem provides specialized services and research expertise to mining companies in exploration, development and operations around the world. Corem has extensive equipment and infrastructure including a pilot plant, mineralurgy, mineralogy and hydrometallurgy laboratories. Corem creates innovative solutions for a sustainable mining industry by working closely with its members, clients and partners.

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