As we come to the end of 2016, I wish to thank all our clients and partners who have helped us through another year. Although the commodity market throughout 2016 remained uncertain, we have welcomed several new clients to our business. We are proud to have our technology in their projects. 2016 has also been a year of successful commissioning. These new clients join an extensive list of successful projects that we have supported over the past 30 years, and continue to support into the future.

On behalf of the Glencore Technology team we wish all our clients, friends and their families all the best for the festive season, and a prosperous and safe new year.

Regards
Paul Telford
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IsaMill™ Presentation at Engineers Australia - Perth

Dr Bill Johnson, Principal Consultant at Mineralis Consultants Pty Ltd, recently presented the story of IsaMill™ development at Mount Isa Mines, recounting his involvement in this ground breaking technology. The presentation—“The IsaMill™, A Great Australian Mining Innovation, Past, Present, Future”, is on our IsaMill™ website.

Early picture above of the first installation of M3000 IsaMills at McArthur River used to liberate the complex zinc/lead ore (right) by ultra-fine grinding.
Copper-molybdenum circuits often involve using columns as cleaners. However the downside of these circuits is the low first pass copper and molybdenum recovery, requiring a large number of conventional flotation cells to treat the column tailings to recover the copper and in particular the molybdenum, and return it back to the cleaners. These circuits result in large recirculating loads, high reagent use and often produce a low grade copper-molybdenum concentrate.

There might however be a way to improve these circuits. Pilot scale testwork by Glencore Technology has shown that Jameson Cells are adept at recovering molybdenum. Testwork at a number of sites indicate close to a 1:1 relationship between copper and molybdenum recovery, with some interesting comparisons to column performance at these operations.

Virginia Lawson, Technology Manager at Glencore Technology, presented a paper recently at Procemin 2016, surmising the plate structure of molybdenum minerals might have a lower chance of recovery in conventional cells and columns due to molybdenum following natural streamlines of flow in the cells and columns, lessening the chance of bubble particle contact. The turbulence in the Jameson Cell downcomer however may create a greater chance of bubble particle contact leading to the results observed to date. More work into the improved molybdenum recovery seen in the pilot work is being undertaken.

\[Cu-Mo\] selectivity curves of Columns versus Jameson Cells (lab and pilot) for testwork undertaken at a copper molybdenum operations in South America. Read the full paper on our Jameson Cell website.
Congratulations to the Albion Process team who were recently awarded the inaugural 2016 METS Ignited Collaboration Award presented at the IMARC Gala Dinner in Melbourne, along with project partner Core Resources. The award recognises the successful installation of the Albion Process™ treatment plant for GeoProMining Gold LLC’s GPM Gold Project in Armenia.

The project increased gold recovery from 20% to over 90% at the site, ensuring a commercially viable operation and extending the project mine life by 10 years through the use of the Albion Process™.

The Albion Process leads the way in refractory ore processing. Tail dam reclamation operations at Las Lagunas also rely on the technology for gold and silver production, as well as several Glencore zinc refineries, which use the process in an integrated zinc leaching/electro-refining flowsheet for increased capacity.

Glencore Technology General Manager Mike Hourn said: “This is a huge vote of confidence for the technology. It also recognises the Glencore Technology and Core Resources teams, who have collaborated on this project from initial conception and testwork, to designing, installing and finally commissioning a commercial plant.”

Quick Facts – Albion Process™
Glencore technology offer a range of services for our clients to help maintain their IsaMills™ and get the best out of their regrind circuits.

Whether it is assisting for preparations of a major shutdown, or undertaking training of maintenance crews, Glencore Technology have expert technicians who can add value to your operation.

Support services include:

- Training
- Major overhauls
- Spares management and warehousing
- IMIS – IsaMill™ information system
- Record keeping and strategies
- Audits
- Wear advice
- Benchmarking

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For up to date information on Glencore Technology please follow us on LinkedIn or Twitter, or visit our websites.