



**Molycop Technical
Seminar 2024**

"Maximising Performance: Advanced Techniques for Throughput, Recovery, and Efficiency"

Sevilla, Spain Edition

Date: 18th October 2024

**Venue: Hilton Garden Inn Hotel |
Torneo Parque Empresarial, Av Ingeniería, 11, 41015 Sevilla, Spain**



MILLING



FLOTATION



LEACHING



ENGINEERED



**PROCESS
OPTIMISATION**



**RESOURCE
RECOVERY**



TRAINING

Seminar Program

October 18th 2024

1st Session | Flotation & Advanced Control

- 8:30am** **Registration, Tea & Coffee**
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- 9:00am** **Molycop Welcome & Introduction**
- 9:15am** **Advanced Process Control**
Molycop designs, commissions and implements advanced control systems to deliver improved outcomes for your mineral processing operations. An overview of APC systems and industry best practices will be provided, alongside a discussion of various case studies.
- 9:40am** **Case Study**

2nd Session | Milling

- 10:00am** **Advanced Milling Instrumentation**
This session offers a concise introduction to shell vibration technology, with a focus on Rock IQ. Rock IQ measures coarse particles on conveyor belts, creating a Particle Size Distribution (PSD) for ore fragmentation analysis. Integrated with a control system like MillStar APC and MillSlicer VIP, it optimises mill operations by combining fragmentation data with impact measurements, providing insights into blasting effectiveness.
- 10:30am** **Coffee break**
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- 11:00am** **Milling Optimisation Approaches**
The combination of advanced measurement, control, modelling as well as coaching and consulting can all contribute to delivering stable and optimised production. This session emphasizes milling optimisation for higher efficiency. It discusses strategies to control critical process parameters, aiming to enhance throughput and minimise maintenance shutdowns. Attendees will gain valuable insights for streamlining milling operations.
- 11:40am** **Case Study**
- 12:00am** **Milling Q&A session**

3rd Session | Leaching

12:20pm

Lunch break

1:20pm

Leaching, Cyanide & Carbon

This session discusses using advanced technologies to optimise leaching circuits, aiming to increase recovery rates and reduce cyanide consumption. Topics include cyanide management strategies and methods to enhance carbon movement in gold circuits, resulting in improved gold absorption and decreased soluble gold losses. Additionally, the application of APC for optimising leaching circuits will be discussed.

2:00pm

Case Study

2:20pm

Leaching Q&A session

4th Session | Grinding Media

2:40pm

Coffee break

3:00pm

Molycop: Your Grinding Media Partner

This session is about our advanced manufacturing procedures, detailing the precision and innovation that drive our processes. We will also cover the installation of the solar plant at our facility, illustrating how sustainable energy solutions are being integrated into our operations. Explore how these elements contribute to our overall efficiency and environmental responsibility.

4:00pm-6:00pm

Networking Drinks & Canapes

Enjoy a relaxed atmosphere with us during the Networking Drinks & Canapés session, where you can connect with fellow industry professionals, exchange ideas, and unwind after a day of insightful discussions.



Progress Together

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