MillROC

Milling Remote Optimisation Consulting & Coaching

Consulting & Coaching

Process Optimisation

MillROC Overview

Molycop is at the forefront of minerals process optimisation globally. Our experts provide remote optimisation consulting services on live data to help mines increase throughput, recovery, power efficiency and reduced liner wear.

MillROC – Milling Remote Optimisation Consulting & Coaching

We apply process models and analysis to real-time plant data which help expert consultants to provide frequent and high level advice, which includes guidance on operating approaches and setpoints. Machine learning can also be applied to the datasets produced, searching for hidden relationships.

Remotely monitors and models circuits and processing plants to ensure optimal performance, focussing on:

- Recovery
- Efficiency
- Throughput
- Liner life
- Maximising assets
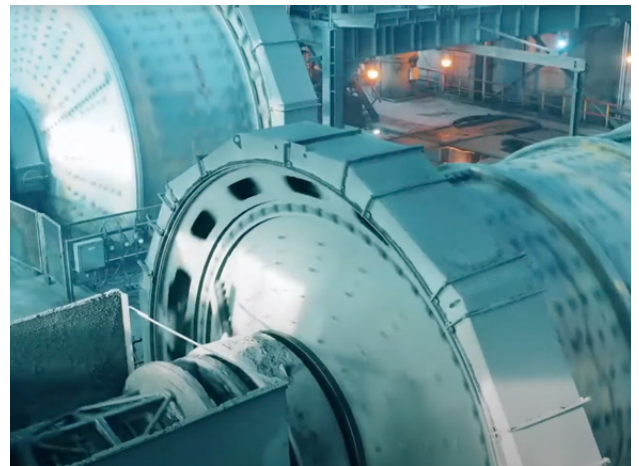
Maximising Efficiency

With decades of process experience, Molycop provides a virtual online milling expert to provide advice to keep the circuit at optimal performance. This aids to maximise throughput, increase power efficiency, improve recovery, reduce wear and promote longer liner life thus maximising asset utilisation.

Traditional comminution circuit reviews typically result in throughput improvements of more than 10%. However, improvements are often unsustainable due to changing conditions and ore types. Consequently, most grinding circuits operate sub-optimally for long periods of time. This can lead to millions of dollars in lost revenue. Merging expert consulting services with cloud-based computing effectively addresses this problem by having the consultant's recommendations continuously available to the plant.

Data in most comminution circuits is often of poor quality, making modern data analytics and machine learning ineffective. Molycop works with MillROC clients to understand key parameters driving performance, improving instrumentation and data acquisition to allow implementation of advanced data analytics and machine learning.
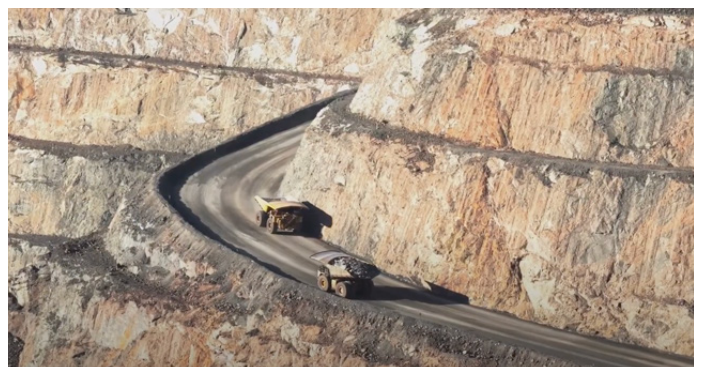
If you're interested in exploring Molycop's products and services, we're here to help.

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