MinePortal
A Connected Orebody Knowledge Platform

Safety
- Increase blasting and mine safety by detecting preconditioned material, highly fractured zones, and underground voids in real-time

Performance
- Improve blast fragmentation by analyzing rock structure and strength in real-time
- Optimize mine to mill operations by correlating D&B, excavation, crushing performance, and mill throughput data
- Improve recovery by correlating geology and assay data to blast hole drill data
- Use crusher and mill performance data to remove bottlenecks, reduce recycle rates, and anticipate the incoming rock's impact on overall throughput

Data-Driven Decisions
- Improve orebody knowledge with high-resolution production drilling data analysis
- Utilize machine learning to find geologic trends and insights in large, combined datasets
- Digitize data collection from pit to plant with field tablet apps and custom reporting

Communications
- Share knowledge with a single source of truth for all critical operations
- Easily access geological insights from a browser-based application with the security of Microsoft
- Deliver daily dashboards, reports and alerts to keep everyone informed and on target
MinePortal identifies ways for teams to increase production and decrease risk from drill to mill.

DataCloud’s orebody knowledge software creates an integrated production model from each operation of your mine. Applying advanced geostatistical and machine learning algorithms to data across your value chain leads to a more informed and adaptable decision-making process.

This single source of truth enables intuitive collaboration. With an easy to use and secure cloud-based platform teams know how to improve with real-time feedback from other stages. We make data-driven decisions easier, so you can create the most efficient operations possible.

It all starts by automating the analysis of production drilling data. With a quality understanding of rock structure and strength blasting teams deliver better fragmentation. And with continually improving D&B decisions throughput increases and dilution reduces.

MinePortal then correlates a mine site’s other datasets back to the ore block’s properties. This holistic approach to operational improvement increases mine to mill productivity.

- Integrate grade control data from assay, core, and reverse circulation to determine geological trends that lead to performance gains
- Cross analyze rock properties and powder factors for predictable particle size distribution
- Evaluate blast plans against downstream crushability to improve mine planning