

# MinePortal

A Connected Orebody Knowledge Platform

## Safety

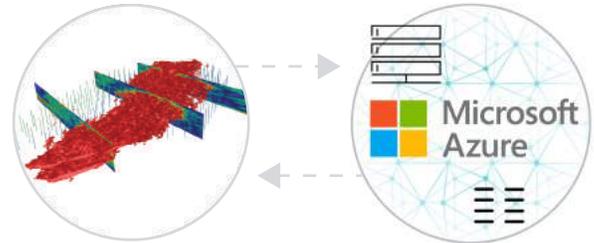
- Increase blasting and mine safety by detecting preconditioned material, highly fractured zones, and underground voids in real-time

## 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



## KNOW THE ROCK



## 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

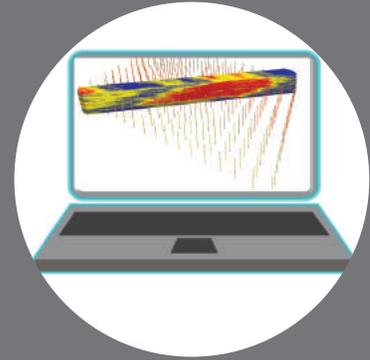
## Communications

- 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

