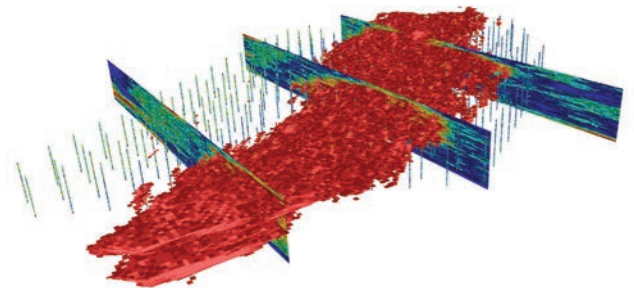


# Real-Time Analysis of the Orebody While Drilling Blast Holes

Put high-resolution rock mass characterization in the hands of your mine planning team

## DataCloud Knows the Rock

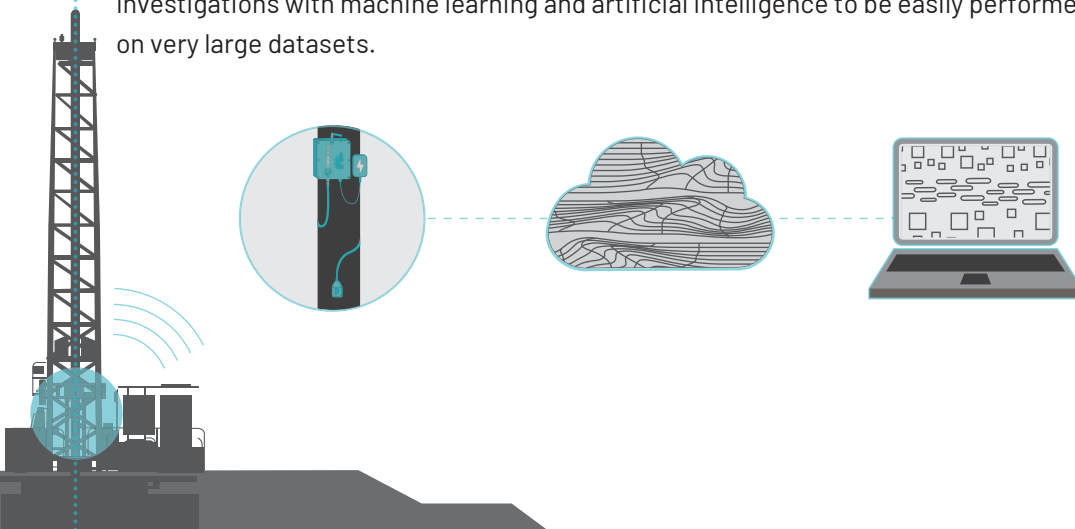
The numerous rock mass measurements we collect are directly related to the modulus of the rock being drilled. The blast hole logs generated are between 1 centimeter and 5 centimeters of resolution, depending on the rate of penetration (ROP) when drilling. Our seismic while drilling IoT sensors have successfully logged blast holes on rotary drills, single and multi-pass drills, and down-the-hole (DTH) hammer drills in many types of rock ranging from soft coal to granite to iron ore to porphyritic base and precious metals. Certain components measure rock mass properties while drilling blast holes and other parts stream the high-resolution data to the cloud.



*Quickly discern ore and waste rock and high and low grade.*

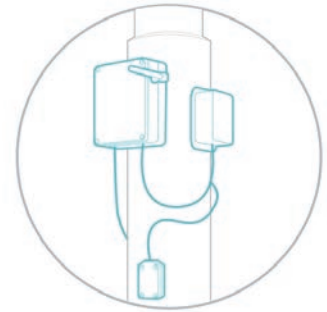
## Cloud-Based Analysis

The DataCloud Platform is a shared earth model that is accessed via browsers or mobile devices. As a cloud-based technology, it does not contain legacy architecture limitations that affect traditional mining software. It is infinitely scalable and can support unlimited users, all while simultaneously supporting operations at connected mines across the globe. It leverages the power of the cloud to deliver nearly instantaneous and massive computational capabilities. DataCloud also integrates third-party and historical mine data, which enables sophisticated data science investigations with machine learning and artificial intelligence to be easily performed on very large datasets.



## Easy Set-Up and Deployment

The hardware is “set and forget” simple. It is rugged, reliable, proven, and requires only about an hour to rig up. A one-time installation of the IoT sensor device on the drill string and set up of the edge computing device in the cab are the only easy requests we need clients to accept for us to deploy our real-time, high-resolution rock mass evaluation Platform at their mines. With those completed, all subsequent DataCloud workflows happen in the cloud.



## Contact Us

DataCloud has active operations worldwide and offices in the US, Canada and Australia. To discuss the details of your mining operations and how DataCloud can help.

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🔗 [www.datacloud.com/letstalk](http://www.datacloud.com/letstalk)

