



# DRILLMAX™

## REAL-TIME DOWNHOLE GEOPHYSICS AND DIRECTIONAL DATA WHILE DRILLING

DRILLMax™ is a breakthrough technology that delivers real-time downhole geophysical and directional data while drilling. The system reliably operates downhole behind the RC hammer and drill bit and measures total natural gamma ray (GR) and directional hole survey. It provides critical geophysics allowing real-time decision-making on end of hole while getting data to the end of hole every time, maximising available drilling time.

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Reduce operating costs



Improve productivity



Improve safety



Improve orebody knowledge

DRILLMax™ can deliver sustainable improvements that:

- Improves productivity with accurate and high-resolution data to close out mineralisation
- Eliminate risks associated with wireline surveying, in some cases replacing the radioactive source
- Enhance operational efficiency by eliminating on rig surveys
- Enables appropriate risk-based management through detected cavities and voids

### RELIABLY OPERATES DOWNHOLE BEHIND RC HAMMER

Robust downhole sensors are positioned above the hammer on an RC drill, capable of sustaining the high shock and vibration of RC drilling. Combining survey and drilling time, Geophysics While Drilling (GWD) enhances operational efficiency by increasing drilling time and depth.

### COMPLETE DATA SET AVAILABLE AT THE END OF HOLE

DRILLMax™ acquires high-resolution downhole dynamics data to the bottom every time, eliminating the risk of data loss through hole collapse and borehole rugosity. These measurements are combined with surface sensors of DRILLHub™ for advanced data interpretation for detailed orebody analysis.

### MAXIMISE AVAILABLE DRILLING TIME

Geophysics surveying using GWD technology reduces activity on the drilling pad by eliminating simultaneous third-party wireline services operations during drilling. No additional wirelines or encoders are required.

### SIMPLE DRILLER INTERACTION

The drill crew will only need to download data at the end of each hole and ensure overnight charging of tools – removing the need for manual data entry and complex workflows and connectivity issues.

### RADIATION-FREE DENSITY MEASUREMENT

Combining surface Measure While Drilling (MWD) data from DRILLHub™ and DRILLMax™, GWD mechanical density can be measured without conventional radioactive methods. This significantly reduces the risks associated with obtaining a density measurement.

### WHO SHOULD USE DRILLMAX™ :

- Geologists
- Drilling contractors



Figure 1. DRILLMax™ alongside the rig – real-time downhole geophysical and directional data while drilling

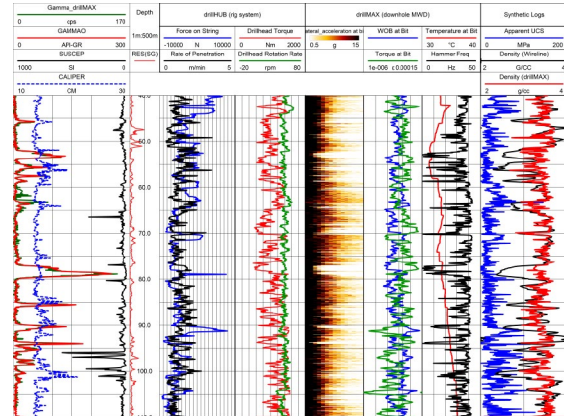


Figure 2. DRILLMax™ data output capturing natural GR, hole survey and downhole drilling dynamics

To learn more about DRILLMax™ and how it can support your operations today, please contact your local Orica representative, or visit [orica.com/drillmax](http://orica.com/drillmax)

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