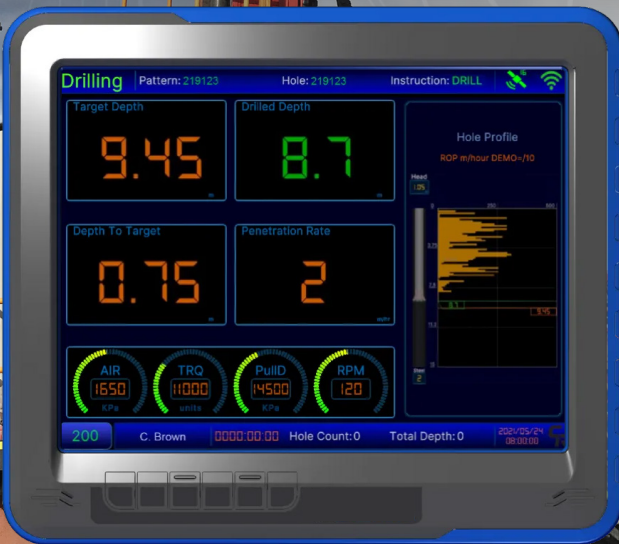


THUNDERBIRD 1110

DRILL OPTIMIZATION

Reliable, accurate rock knowledge and improved driller user experience combined with state-of-the-art data analysis to manage drill and blast operations.

Eliminate up to 30% of drill depth errors and associated wasted drill time, saving up to 445 tonnes of CO₂e per drill annually.



Thunderbird 1110 is a high-precision GPS and rock strata measurement system for rotary blast drills. Paired with our Orion Data Analytics, Thunderbird 1110 provides drill & blast managers with surpassed insights on drilling performance through unique cloud-based data analytics.

Thunderbird 1110 is available with StrataSense, the measure-while-drilling (MWD) capability that provides rock hardness information delivered in real-time to ensure more informed and efficient blasting.

STRATASENSE

Precision Data Collection and Real-Time Reporting

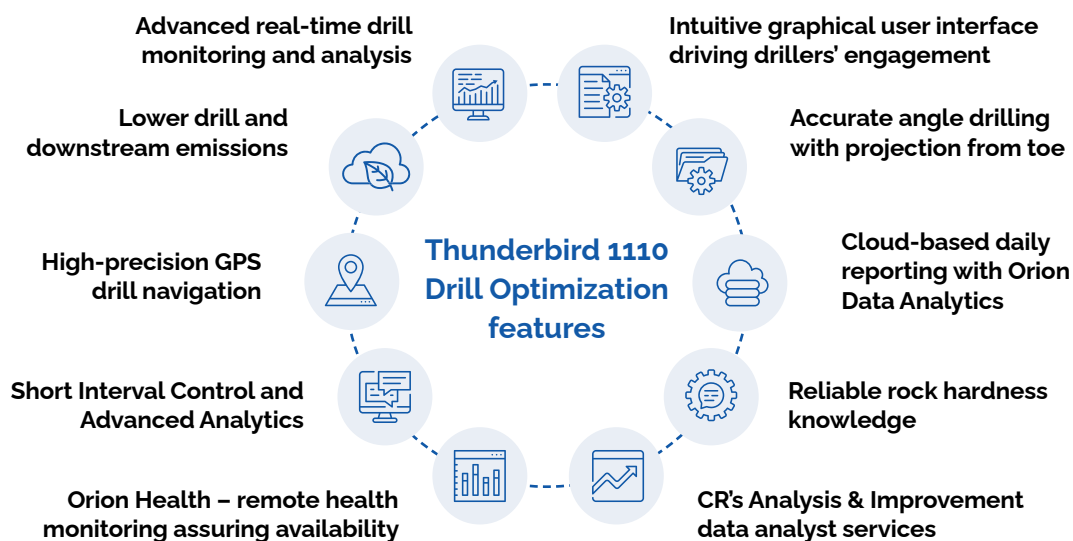
- ✓ High resolution rock hardness down to 10cm intervals
- ✓ Precision Data Collection and Real-Time Rock Knowledge
- ✓ Enables optimized hole loading and better fragmentation
- ✓ Reduce CO₂e emissions up to 445 tonnes per drill annually

Lower emissions

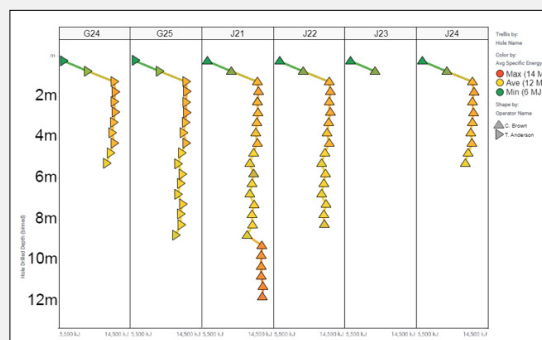
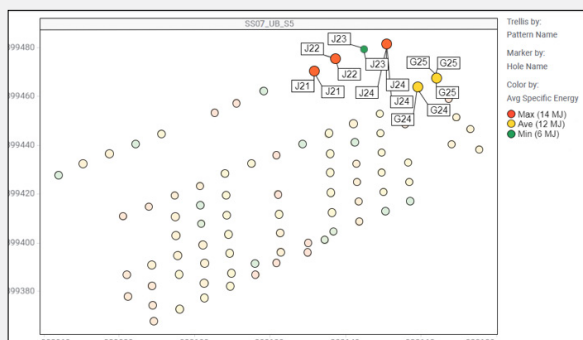
By drilling efficiency and avoiding over-drilling, drills burn less fuel, reducing emissions.

Miners can also save on explosive costs by understanding rock hardness. By using only the necessary explosives, miners save on carbon emissions from wasted explosives. Explosives can be reduced by 195 tonnes CO2e annually.

The effects on the downstream value chain are also significant. By drilling and blasting to plan, rock is properly fragmented. This means that excavators use less fuel to dig, trucks use less fuel to haul, and the crusher burns less fuel, all contributing to reduced emissions.



STRATASENSE - Drillhole data analysis, and rock hardness visualization



CR Powered by Epiroc is transforming mines with cutting-edge technology. We develop industry-leading digital technology solutions for the mining industry, working together with the world's best miners towards a safer, more productive, and sustainable future.

Start the conversation

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