



400i - CLASS BEV* DRILLS MAKE THE CHANGE

DD422iE, DL422iE and DS412iE

**Battery Electric Vehicle*



Sandvik comprehensive battery-powered range for drift sizes 4 by 4 meters and up, is available for all underground drilling applications and most mining methods.

Sandvik fully electric i-series automated drills ensure significant reduction of harmful emissions underground while offering high levels of performance.

They enjoy independent electric mobility between drilling job sites and only use the mine power grid for actual drilling and charging the battery.

Components commonality within the range is key. The user-interfaces of these drills are similar, the common i-Class control system enables advanced mine automation and tele-remote control solutions for continuous, unmanned operations through shift changes and breaks.

All three rigs share the same i-Class platform for compatibility with the Sandvik digital ecosystem including integration with MySandvik Remote Monitoring Service, Optimine® and AutoMine®.

BENEFITS:

- Improved working conditions underground: Zero emissions while tramming
- Lower operating costs: reducing thermal load, less requirements for ventilation capacity and need for infrastructure to carry diesel fuel underground
- Optimized operations: battery recharge during drilling or/and when tramming downhill- no production stop
- High level of performance: process optimized with data collection up and down through wireless network
- Maximizes mine's electrical infrastructure: by drawing reserve power from the batteries during peak loads during drilling thanks to the drill's intelligent power management system
- Flexibility : freedom to move the drill from one site to another with multi-voltage-compliant universal electric system

SANDVIK DD422iE

This fully-electric development drill offers top-level performance, accuracy and reliability for underground mine development and small scale tunneling.

Equipped with a wide range of automatic drilling functions, a new automation package including boom collision avoidance, drill bit changer and tele-remote drilling capability, Sandvik DD422iE helps to safely reduce overbreak with maximized pull-out per blast.

For tough and intensive multi-task usage, the dual controls package allows the drill to be used for both ground support and standard face drilling purposes.



SANDVIK DL422iE LONGHOLE

This fully-electric automated and teleremote operated top hammer longhole drill ensures maximized ore recovery and minimized dilution with the drilling of production or service support holes in underground mass mining. It is suited to 4 x 4 m or larger production drifts.



Equipped with the fully instrumented ZR35 telescopic boom, an automated rod handling system, and the powerful HF1560ST rock drill, Sandvik DL422iE provides accurate positioning, stability and accuracy in drilling for maximum performance.

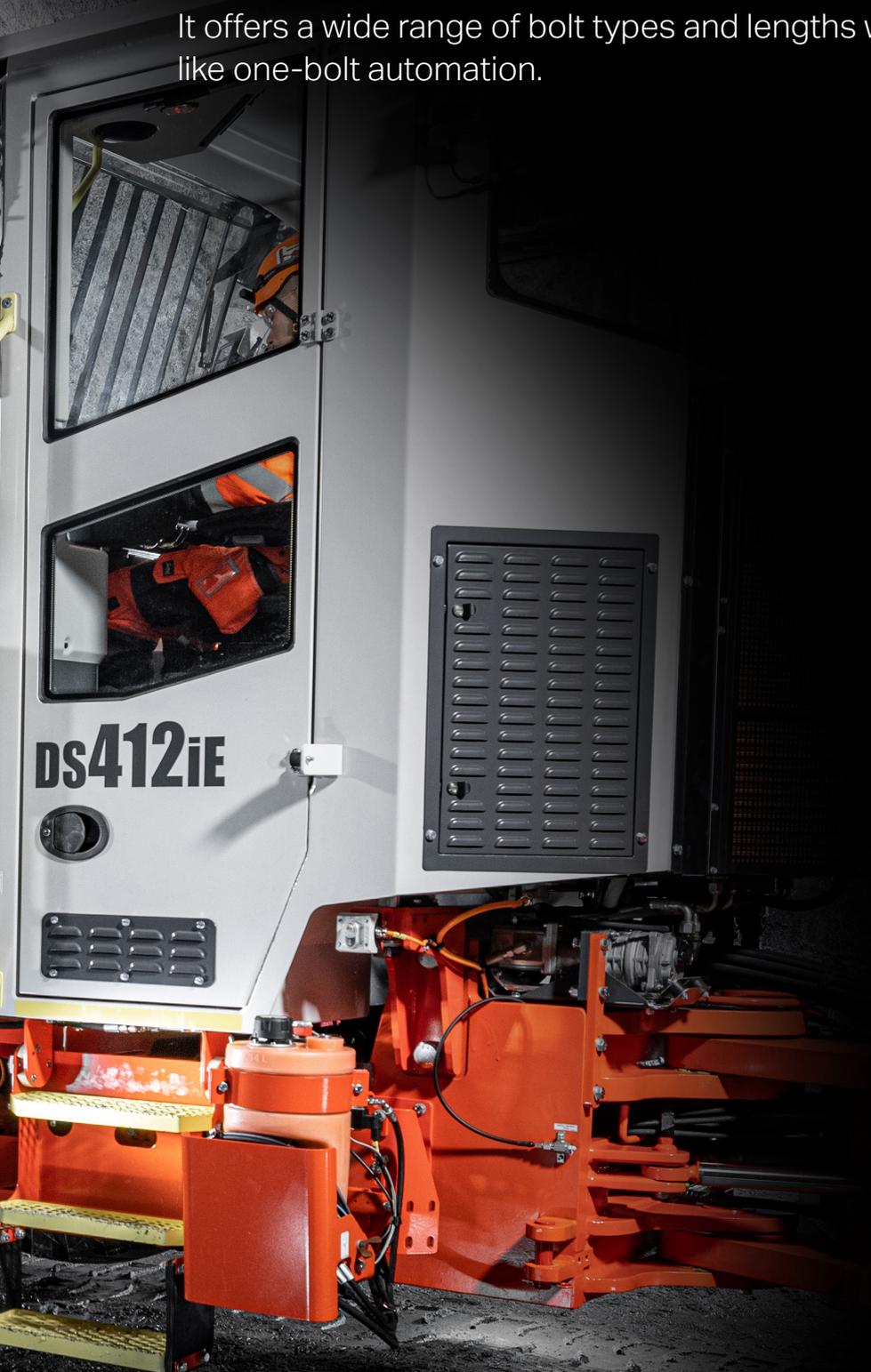


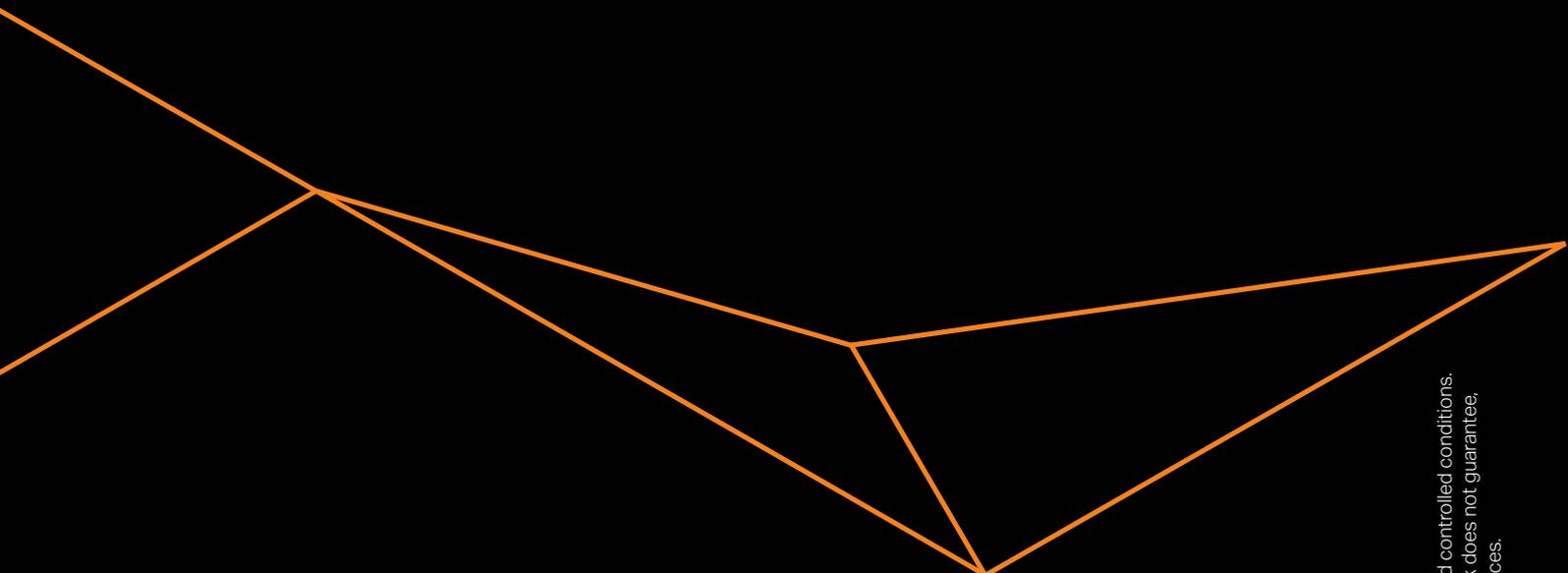


SANDVIK DS412iE

This fully-electric rock bolter ensures a higher quality of rock reinforcement. This highly instrumented equipment ensures comprehensive data collection through the entire bolting process for better rock supporting quality in drifts and tunnels.

It offers a wide range of bolt types and lengths with high automation levels like one-bolt automation.





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