



THE JOURNEY TO AUTONOMOUS DRILLING

IT ALL STARTS WITH

CAT® MINESTAR™ TERRAIN FOR DRILLING:

Drill to plan for a more even, efficient blast and reduced costs downstream

High-Precision Guidance: Up to four times more accurate in hole positioning

Hole Depth Control: Reduces over- and under-drilling of holes to within 10 cm, even on rough ground

Production Monitoring: Tracks consumable use and provides operator alerts, increasing safety and efficiency

**REDUCE
LOST-TIME
INCIDENTS**

**LOWER
CONSUMABLE
COSTS**

**IMPROVE
LOADING
PERFORMANCE**

CAT® COMMAND FOR DRILLING:

Semi-autonomous and autonomous functions increase safety, consistency and utilization

OPERATOR MACHINE ASSIST

Automates the entire drilling cycle for an entire row of holes:

- » Auto-Tram
- » Auto-Level
- » Auto-Mast (raise and lower)
- » Auto-Drill

Operator remains on board the machine to monitor progress while Command drills the pattern.

SEMI-AUTONOMOUS

Automates the entire drilling cycle for one row

Single Row: Operators monitor the machine from a safe distance while it drills a single row

Multiple Machines: A single operator can set up and monitor multiple drills across the site

AUTONOMOUS

Automates drill cycles and tramping for the entire blast pattern

Multiple Rows: An operator can set up a machine to drill multiple rows

Operator Flexibility: An operator can have complete control of multiple drills, simplifying shift change and increasing labor efficiency



FLEET



TERRAIN



DETE T



HEALTH



COMMAND

For more information, go to www.cat.com/terrainfordrilling or contact your local dealer.