



CAT® MINESTAR™ COMMAND FOR HAULING **AUTONOMOUS HAULAGE SYSTEM**

MOVE MINING EFFICIENCY FORWARD WITH AUTONOMOUS HAULAGE

ENHANCED SAFETY

- » Proven safety record: 419+ million kilometers traveled with no reported injuries
- » Multiple layers of safety
- » Proprietary perception system that detects obstacles in the harshest mining environments
- » Supports safe interactions between staffed and autonomous machines

GREATER UTILIZATION OF ASSETS

- » Increased productive time with consistent haul cycle times
- » Real-time machine tracking, dynamic assignment and productivity management
- » Active health monitoring and Cat support enable high uptime

PROVEN IMPLEMENTATION PROCESS

- » Prepares people and site processes to effectively transition to autonomy

OEM-INTEGRATED AUTONOMY

- » Helps ensure compatibility, performance and reliability between base machine and autonomy technology



Benefits are as compared to operations without a similar technology. Actual results may vary based on application, infrastructure, network connectivity, equipment maintenance and operating procedures, among other factors.