

TERRAIN FOR GRADING

GUIDE OPERATORS TO HIGHER PRODUCTIVITY AND EFFICIENCY.

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Grading is a vital but less visible function that provides essential support for loading and hauling operations. Cat® MineStar Terrain for grading helps to make dozer and motor grader operations safer and more efficient, which can make a huge difference to a mine site's bottom line. Terrain for grading helps operators get to the specified grade more quickly without surveying, guesswork or rework.

BENEFITS

- » Increases productivity and accuracy through precision satellite guidance.
- » Automated blade control delivers easier, more accurate operation, boosting grading efficiency by as much as 50 percent.
- » Reduces the need for survey work and boots on the ground near heavy equipment.
- » Tracks machine locations and production volumes in real time.
- » Minimizes rework by ensuring material is moved to the right place the first time.
- » Shares files between all Terrain machines to allow updating of grade plans.
- » Shows operators visual job progress feedback to reduce rework.
- » Improves safety by keeping machines out of restricted areas and away from hazards.
- » Measures dozer production volume to track the amount of material moved.
- » Enables instant reassignment of operators, saving time and reducing miscommunication.
- » Works with all grading equipment from Caterpillar and other manufacturers.
- » Mobile application allows site supervisors to see the location of machines, assign tasks and validate design plans.

DIFFERENTIATORS

- » Industry-leading high-precision technology
- » Integrated blade control with Cat® dozers
- » Integration with Command for dozing and Command for hauling



TERRAIN FOR GRADING HAS DELIVERED REAL RESULTS

- » Used in reclamation
- » Paid for itself in less than 4 months

- » 44% reduction in hours
- » Savings of \$500,000+

- » 0.15 reduction in CPT
- » \$600,000 annual savings for 3 dozers

- » Production costs reduced from \$1.25 to \$0.25 per yard

SUCCESS STORIES

- » Canadian coal mine reduced hours by 44 percent for an annual savings of approximately \$500K.
- » A U.S. mine cut its push distance by 50 percent—shortening cycle times and reducing the dozer fleet from five to four.
- » A U.S. coal mine reduced production costs by 80 percent.
- » A U.S. coal mine saved \$600K per year on three dozers.

