

Trimble Mine Insights

SOFTWARE



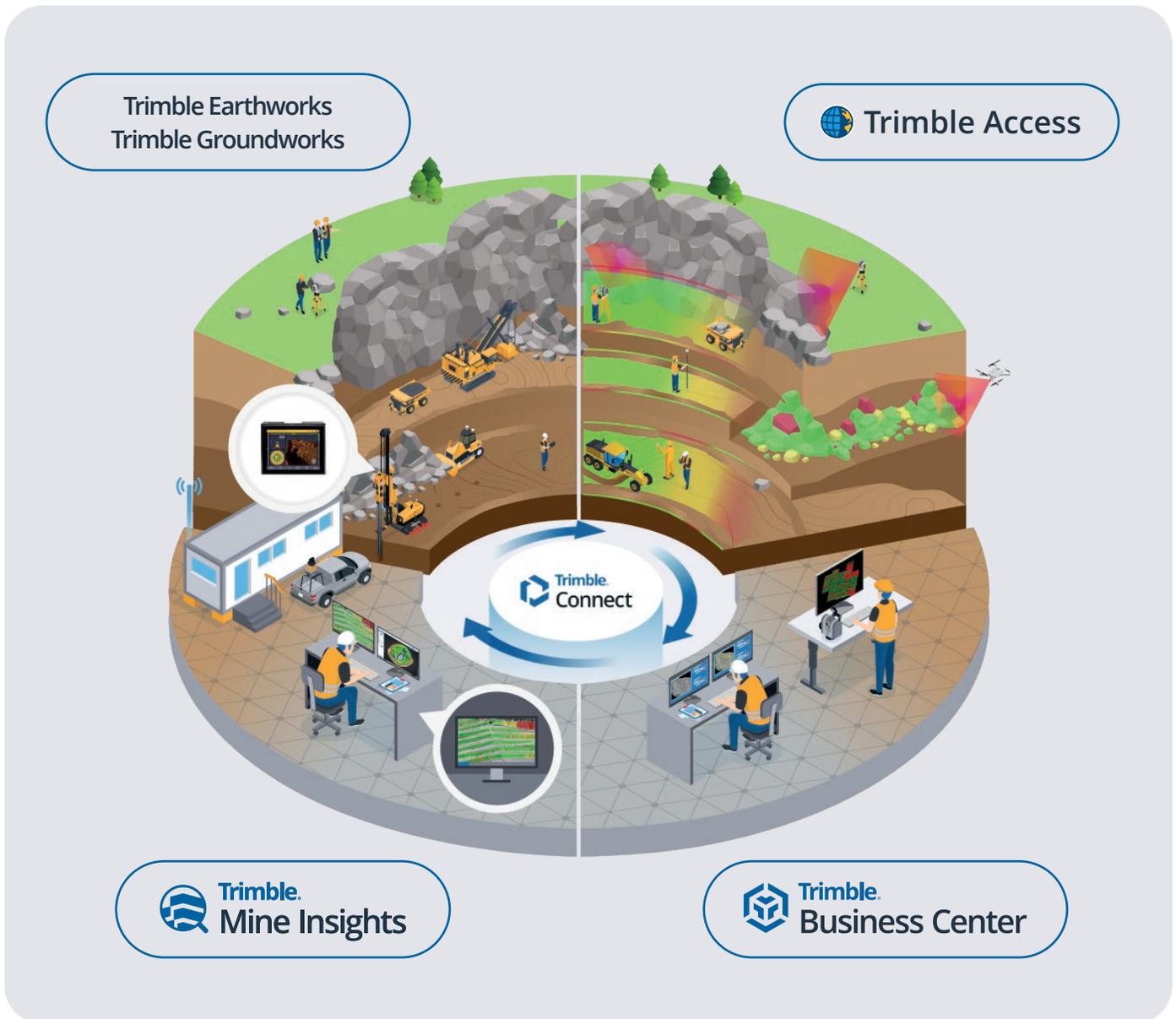
Delivering AI-powered analytics to optimize mining operations

Trimble® Mine Insights™ software is a cloud-based mining analytics application that provides high-value AI-powered insights to mining professionals for optimizing surveying, drilling, blasting, and geotechnical workflows across mining operations.

This powerful software automates the analysis of blast fragmentation, muckpiles and highwalls, delivering objective and repeatable results in a fraction of the time required by manual methods. This automation empowers mining professionals to move beyond tedious data processing and focus on strategic decision-making, ultimately leading to significant improvements in operational efficiency, enhanced site safety and reduced overall costs.

Delivering AI-powered analytics to mining professionals

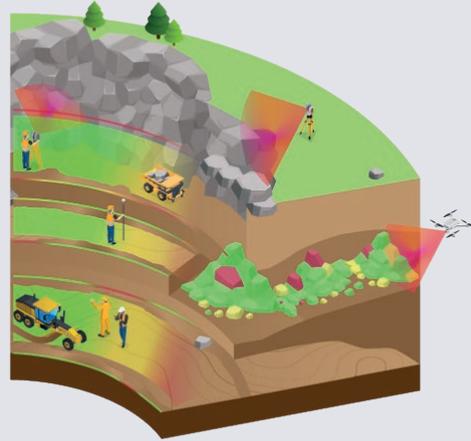
Trimble Mine Insights software delivers AI-powered analytics to mining professionals. It seamlessly integrates with existing Trimble solutions to provide comprehensive, real-time insights for optimizing surveying, drilling, blasting, and geotechnical workflows, maximizing productivity, and enhancing safety for mine operations.



Delivering AI-powered analytics to mining professionals

Capture

Data can be captured in the field using terrestrial hardware, such as total stations, scanners, mobile mapping systems, and field data controllers, or aerial methods such as drones. In combination with field software such as Trimble Access™, Trimble Siteworks, and machine data from Trimble Groundworks, the collected data can then be processed and stored in a common data environment like Trimble Connect®.



Connect

Trimble Mine Insights software integrates with Trimble Connect and leverages Trimble Business Center for data preparation and geodetics, enabling processed data to be utilized efficiently for informed decision-making in surveying, drilling, and geotechnical workflows.

The result is a streamlined workflow from data capture to analysis and action, maximizing productivity, reducing manual effort, and addressing the common client challenge of managing disconnected software systems that create data silos and hinder real-time decision-making.



Key industries:



Quarrying construction



Mining



Drill & blast construction

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Analyze

Instead of focusing on base photogrammetry tools, Trimble Mine Insights provides integrated AI-powered haul road analysis, drill and blast design, fragmentation analysis, and geotechnical analysis within a single software, offering more comprehensive insights and automation for mine production.

In three packages, Site Analytics, Drill & Blast and Geotech, mining professionals will find the tools they need to automate manual workflows. The Site Analytics package automatically creates and analyzes a haul road network for conformance on grade, crossfall, width, potholes, and safety berm height. The Drill & Blast Package features comprehensive drill design tools designed to expedite the design process. The Geotech package can determine areas of low safety factor for wedge failure on your slopes, enabling early decision-making for monitoring safe working conditions.



Action

Trimble Mine Insights is designed to deliver powerful insights for mining operations, enabling informed action. It connects data to deliver deep production insights, creating significant efficiency gains for different roles on the mine site:

- For mine surveyors: Quickly visualize the haul road network for conformance and safety. Utilize haul road AI tools to dispatch support equipment and resolve issues in the field efficiently.
- For drill and blast engineers: Determine blast performance and achieve production targets using fragmentation AI tools that optimize processing times.
- For geotechnical engineers: Utilize slope stability AI to quickly identify high-risk areas and determine a slope's safety factor, ensuring safe working conditions.