



AI Powered Solutions for Drilling, Blasting, Mining & Construction

DESIGN • MEASURE • PREDICT • OPTIMIZE

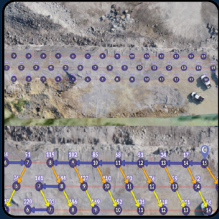
Drill & Blast AI



- ▶ All in One Reality Modelling
- ▶ Intelligent Optimizations
- ▶ Maximum Team Collaboration
- ▶ Comprehensive Information Storage
- ▶ Automated Record Generation
- ▶ Industry Best Security

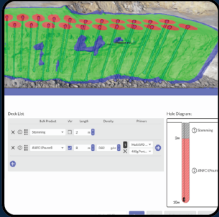


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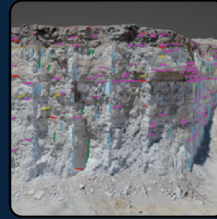
Drill Plan Design

Design your blast on the 3D model of your bench- hole layout, distances, angle, depth, toe plane, and stemming. See your 2D and 3D burdens, optimize them yourself or let the AI do it.



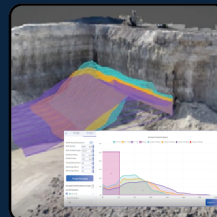
Timing & Loading

Design your blast's timing and loading to make sure you get your best blast! Take into account geological features, burdens, desired fragmentation and muckpile shape and more.



Rock Mass AI

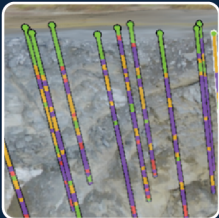
Automatically detect and label discontinuities, fractures, bedding planes, dip direction and angle- all from the face of the bench- design your blast accordingly.



Fragmentation & Muckpile Shape Prediction

See your designed blast's predicted fragmentation and muckpile shape. Not quite what you wanted? Change the design until it is. Get the best results for your loaders, crushers, and mill.

DRILLING DATA INTEGRATION



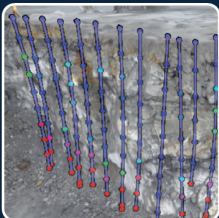
Smart Drill: Measure While Drilling

Automatically send GPS tagged drill plans to your smart drills for execution, integrate smart drill logs into your bench's 3D model- see penetration rates, true collar location and inclination.



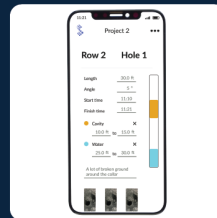
Collar Deviation Measurement

Map the true location of your drilled hole collars. Combine with boretrak data or assume the designed inclinations to better map yours as drilled holes.



Drill Hole Path

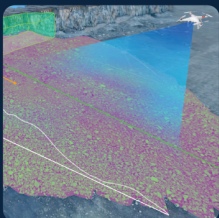
Visualize the true path of your as drilled holes, combine with a smart drill, collar deviation, or GPS data to know your true burdens and hole paths.



Drill Log App

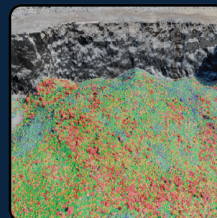
Get detailed accurate drilling data seamlessly integrated into your site model so you can focus on drilling. Clear drill reports already digitized, stored, and analyzed.

POST BLAST ANALYSIS



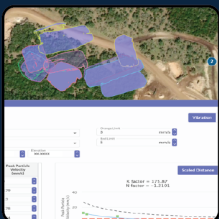
Muckpile Analysis

Measure and quantify your muckpile shape, average thrown, trough drop, swell factor and more to plan your loading. Correlate back to improve drilling performance and blast design.



Fragmentation Analysis

Measure and quantify your fragmentation to plan loading, hauling, and milling. Correlate back to improve drilling performance and blast design.



Vibration & Airblast AI

Measure and monitor your blast's vibration to ensure compliance and safety. Correlate back to improve blast design for future blasts.



Mine to Mill AI

AI powered Analytics Dashboard, Scenario Modeler, and Operations Optimizer identifies performance trends and then optimize them.



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Geological Analysis AI



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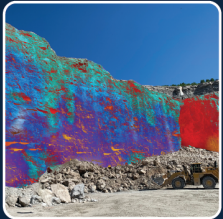
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SITE SUPERMODELS



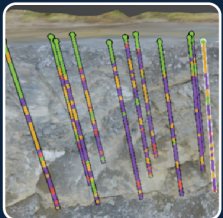
Surveying & 3D Modelling

"Walk" your site from anywhere with amazingly accurate 2D and 3D interactive models.



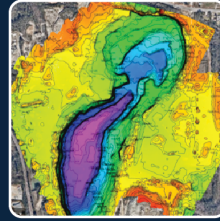
Hyperspectral Imaging

Classify and quantify ore simply by taking pictures- of your site, your bench, your muckpile, and more.



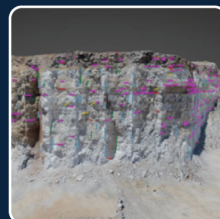
Measure While Drilling Data Integration

See Inside Your Bench with Measure While Drilling Data! Integrate smart drill logs into your bench's 3D model to see what's under your feet!



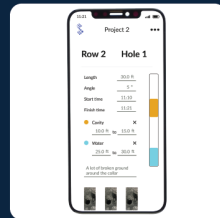
Elevation & Contour Mapping

Site Supermodels- better than real life. All the benefits of your site but enhanced with all the data you could want right at your fingertips.



Rock Mass AI

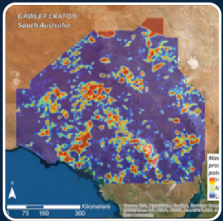
See your site's geological features on your 3D model. Automatically detect and model your bedding planes, joints, fissures, dip and strike angle and more.



Drill Log App

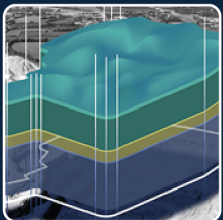
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AI POWERED INSIGHTS



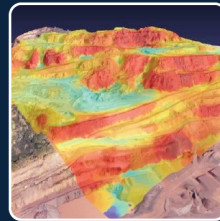
Deposit Prediction AI

Decrease Exploration Costs. Strayos AI can predict the location of ore deposits before you even break ground.



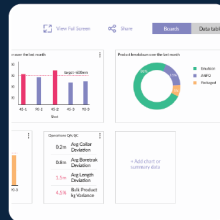
Sub Surface Modelling

Know what you're getting into before breaking ground. Incorporate sub-surface data to see what's underfoot.



Slope Failure AI

See where your site is at risk for a slope failure.



Mine to Mill AI

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Site Analysis AI



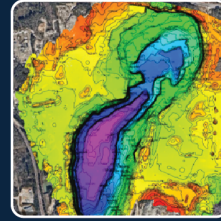
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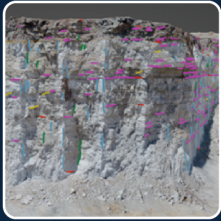
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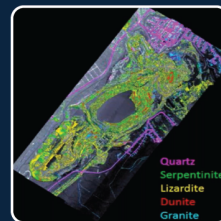
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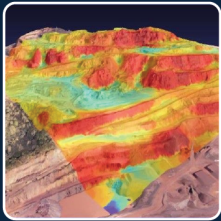
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Hyperspectral Imaging

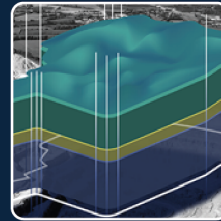
Classify and quantify surface geology and ore simply by taking pictures- of your site, your bench, your muckpile, and more.

SITE ANALYSIS



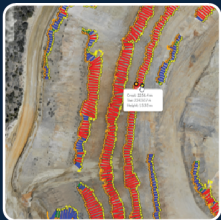
Slope Failure AI

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Highwall AI

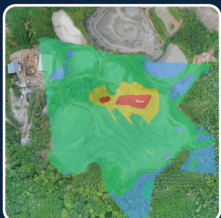
Easily and automatically measure site highwalls for safety and compliance.



Haul Road & Berm AI

Inspect and optimize your haul roads easily. Automatically detect grade, width, crossfalls, berm heights and more. Integrate Haul Truck Engine performance so you can see where your trucks are working too hard.

PROGRESS VISUALIZATION



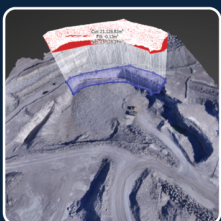
Cut & Fill Analysis

Quantify material removed and added, track site progress and contractor accountability.



Operations Planning

Plan future site work easily and clearly so you know what to expect.



Production Tracking

Track the status of your pit and see how its changed over time.



Inventory Management

Measure your stockpiles and easily see how much they're worth.