



# XPLOSMART<sup>®</sup>

## Product Brochure 2026



**bme**  
BLASTING SOLUTIONS

Version 3.2  
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# AI-Powered Blast Optimisation for Smarter Operations

XPLOSMART® helps mining operations convert fragmented drill, blast, geology, and production data into a single connected decision-making platform. The result is improved blast consistency, faster identification of trends, and greater visibility of how design changes influence downstream productivity.

Consistent blast outcomes rely on the effective alignment of geology, drilling accuracy, explosive performance, and operational execution. Yet critical blast data is often spread across multiple systems, making it difficult to assess outcomes, compare planned versus actual results, and identify opportunities for continuous improvement.

XPLOSMART® is BME's AI-powered blast optimisation platform, integrating spatial, geological, drilling, blasting, and performance data into a single operating environment. Combining photogrammetry, advanced analytics, and AI-driven modelling, the platform transforms field data into actionable insights that support better blast planning, improved fragmentation, and more informed decision-making.

Powered by industry-proven technology, XPLOSMART® enables site managers, drill & blast engineers, and shotfirers to move beyond isolated datasets and adopt a connected approach to blast optimisation. The result is improved blast consistency, enhanced operational visibility, and greater control over the downstream impact of blasting on productivity.

## One Platform. Better Decisions. Better Blast Outcomes.

### XPLOSMART® Benefits

#### Improve Blast Performance

- Optimise blast designs using data-driven insights.
- Improve fragmentation consistency.
- Reduce oversize material and secondary breakage.
- Better understand planned versus actual blast outcomes.

#### Enhance Operational Efficiency

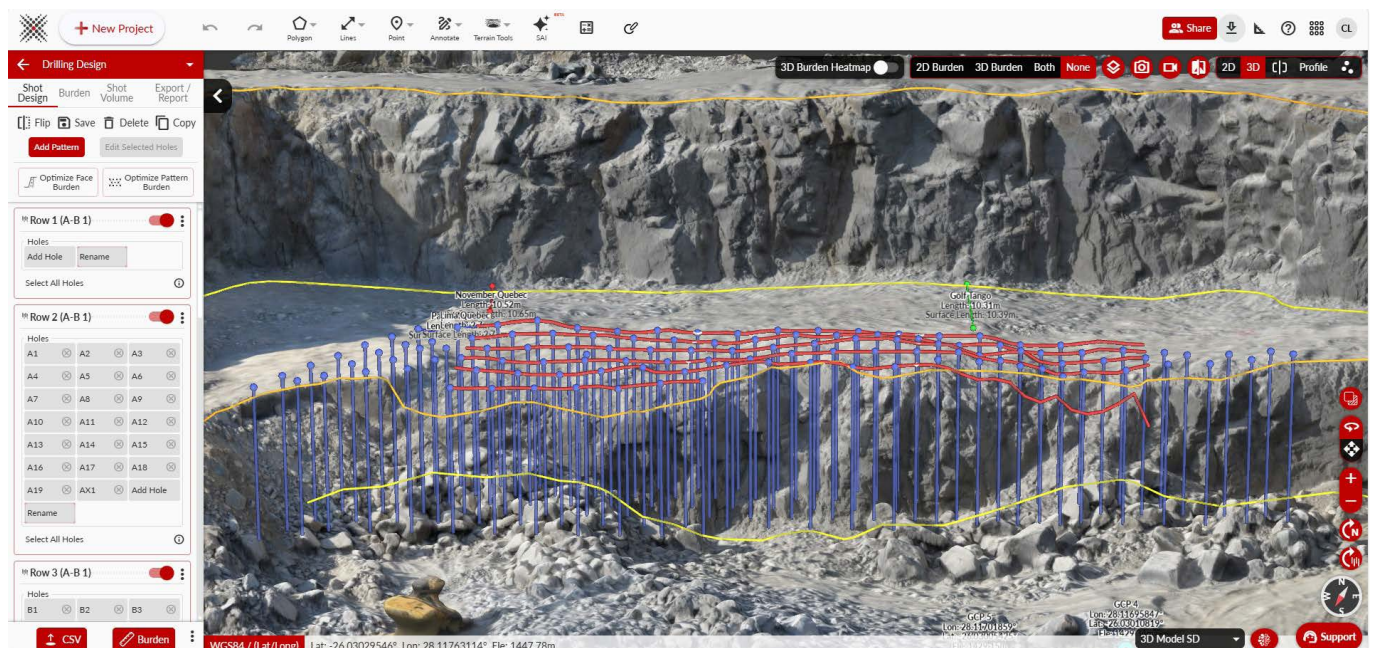
- Faster analysis of blast results.
- Streamlined data collection and reporting.
- Improved visibility across drilling and blasting activities.
- Quicker access to operational insights.

#### Reduce Operating Costs

- Minimise costly rework and corrective actions.
- Improve crusher and processing plant feed consistency.
- Reduce equipment downtime caused by poor fragmentation.
- Enable better utilisation of explosives and drilling resources.

#### Support Better Decision-Making

- AI-powered analytics and predictive modelling.
- Real-time access to operational performance data.
- Improved understanding of blast impact on downstream processes.
- Standardised reporting across operations.



# XPLOSMART® Features

## AI-Driven Blast Optimisation

Leverage advanced analytics and predictive modelling to evaluate blast performance, identify improvement opportunities, and optimise future blast designs.

## Cloud-Based Data Platform

Securely store, process, and access blast data from anywhere, enabling collaboration between site managers, drill and blast engineers, and site personnel.

## Advanced 2D & 3D Visualisation

Visualise site faces, blast areas, and post-blast results using intuitive 2D and 3D models generated from drone imagery.

## Automated Analytics & Reporting

Generate consistent reports, performance dashboards, and operational insights with significantly less manual effort.

## Faster Data Processing

Convert captured field data into meaningful information quickly to support timely, informed operational decisions.

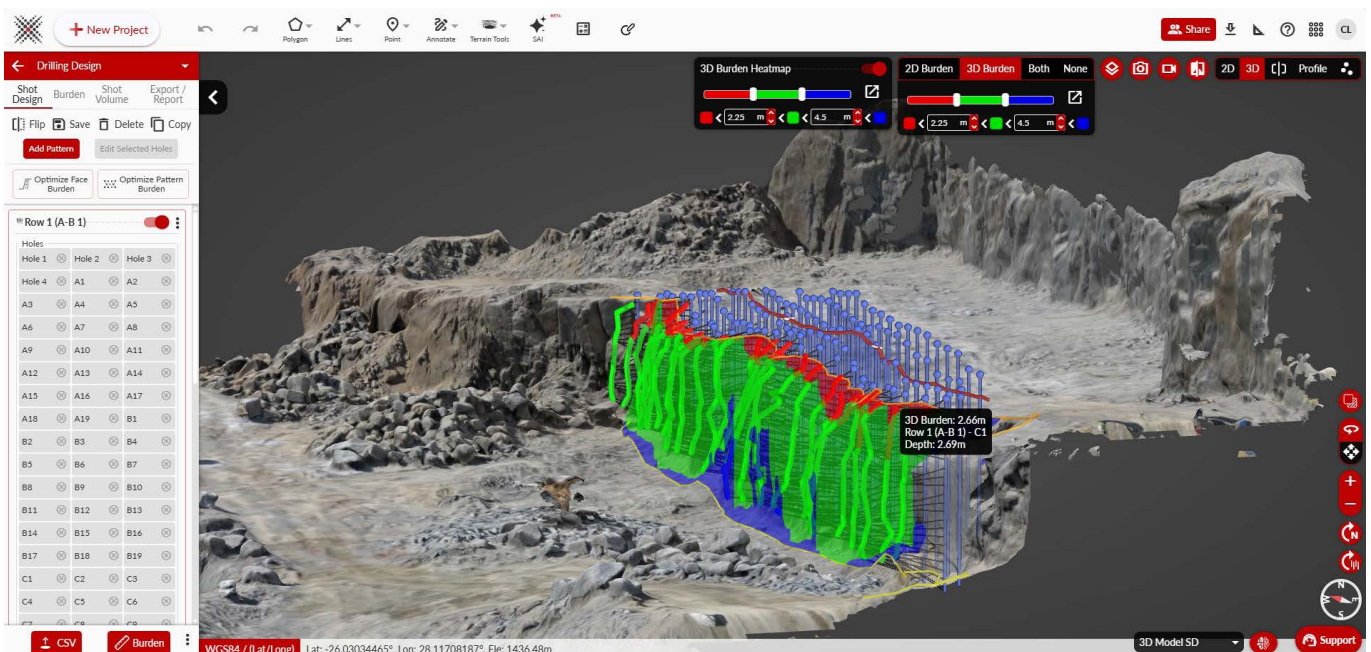
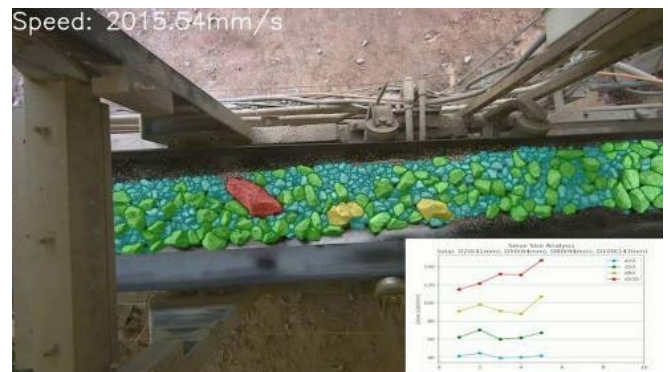
## Mine-to-Mill Capability

Use machine vision hardware and software to monitor blasted rock sizes while it is hauled, crushed and conveyed to the processing plant.

# Possible Outcomes, Solutions & Opportunities

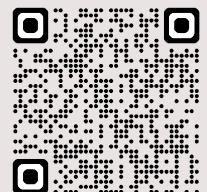
By implementing XPLOSMART®, mining operations can unlock opportunities to:

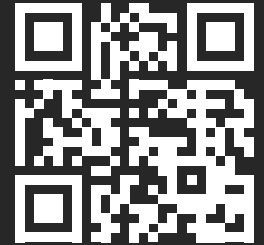
- Improve blast-to-blast consistency.
- Reduce oversize generation.
- Enhance fragmentation quality.
- Improve drill and blast productivity.
- Support safer and more informed blasting decisions.
- Increase visibility of operational performance.
- Reduce analysis and reporting time.
- Identify optimisation opportunities earlier.
- Improve downstream crushing and processing efficiencies.
- Establish a data-driven continuous improvement culture.
- XPLOSMART® enables site operators to transform operational data into practical actions that deliver measurable blasting improvements and support more efficient mining operations.



XPLOSMART® modules can be licensed individually or combined into a customised solution aligned to your operational objectives and site requirements. Contact BME for a demo on how XPLOSMART® can help optimise your blast performance and unlock greater operational value.

Pricing available on request.





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