AUSTIN POWDER

PARADIGM
Simulate Before You Detonate

Benefit from a full suite of engineering models and advanced blast design tools, for both surface and underground blasting. We use the next generation of blasting software to meet your requirements and improve your blast efficiency and production. We can provide complete blast analysis and optimization with our innovative tools and state-of-the-art software.

austinpowder.com ◆ info@austinpowder.com
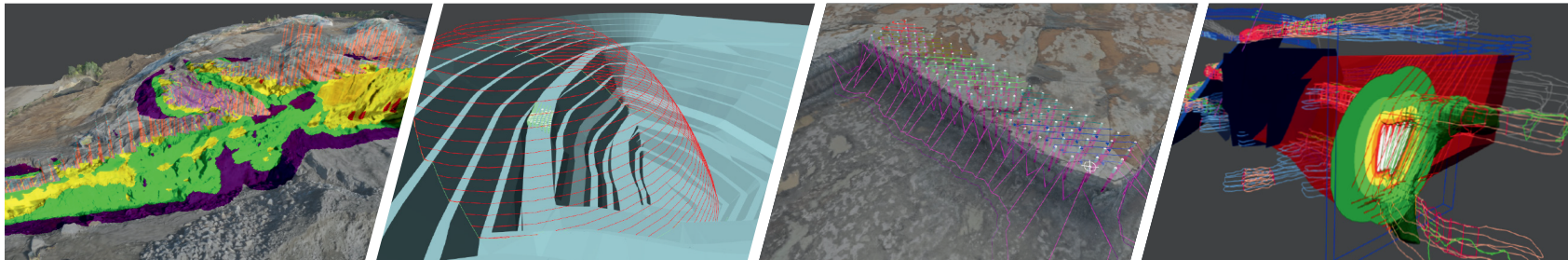25800 Science Park Drive | Cleveland, OH USA 44122

INNOVATION
THAT MATTERS

Features

- Fragmentation Modeling
- PPV and PVS Reduction
- Charging & Timing Analysis
- Flyrock Prediction
- Energy Distribution
- 3D Blast Modeling
- Muckpile Footprint Prediction
- Overpressure Prediction

Software Capabilities

- Create a pattern and **visualize it in 3D**, plan, or section views
- Show heatmap with **spatial variability** of any hole attribute (e.g. powder factor, charge weight, water depth, hole length, firing time, etc.)
- Present as-designed **minimum burden heatmap**
- Update **as-drilled diagram** using GPS
- Update hole angles and directions using **Boretrak data**
- Confirm **inter-pattern** hole proximities
- Recheck minimum burden after drilling with **3D color mapping**
- View **flyrock prediction** with 3D terrain imaging
- Identify **directions of vibration** enhancement and check for impacts in 360 degrees
- **Confirm overpressure compliance** with no limit on the number of receivers
- **Confirm muckpile profile** and check against the expected throw
- Perform **pre-blast initiation animation**
- Evaluate **unlimited charging and timing scenarios** to determine best options for vibration, overpressure, and fragmentation requirements

Custom Reporting

Create reports for:

- Timing Diagrams
- Drill Logs
- Drill Accuracy
- Charging Configuration
- Electronic Detonator Programming
- Drill Survey
- Terrain Cross Sections
- Front Face Survey
- Vibration at locations

USED IN 1833
& EVER SINCE