



# OREPRO™ 3D

## BLAST MOVEMENT MODELLING AND GRADE CONTROL OPTIMISER

OrePro™ 3D is a software application that models blast movement, enabling situational awareness and improved grade control. It uses readily available mine data as inputs, including blast designs, in-situ block models, and post-blast muckpile surveys.

Sophisticated algorithms then replicate blast movement dynamics throughout the entire blast to calculate SmartVectors™ that accurately transform the in-situ grade control into a swelled post-blast grade control model.

[orica.com/orepro3d](https://orica.com/orepro3d)



## OrePro™ 3D enables you to:



Improve productivity



Improve safety



Improve visibility of blast outcomes



Improve ore recovery

- ✓ Move your grade control model with the blast to create a moved model
- ✓ Account for blast movement in 3D

- ✓ Generate and edit optimised mining polygons quickly
- ✓ Have confidence in material classification and reconciliation

### IMMEDIATE VALUE

The Financial Analysis Tool allows for immediate scenario value comparison, delivering direct and dynamic comparison between optimised polygons and those generated conventionally. You can also compare scenarios for different dig directions and flitch heights to maximise value.

### SPEED AND FLEXIBILITY

OrePro™ 3D has been purpose-built for rapid grade control. Within 10 minutes, a blast can be processed and optimised mining polygons can be exported.

### EASY AND INTEGRATED

OrePro™ 3D is easy to use and continuously improved.

- Deal with complexity quickly without having to be an expert in blasting or blast movement
- Ease of communication and data integration with fleet management systems such as Modular, Wenco, Jigsaw, and Minestar
- Global support and lightweight software platform allows for easy sharing and collaboration
- Embed OrePro™ 3D into your ore control process with seamless data integration with up-stream and down-stream systems

### PROVEN AND RELIABLE

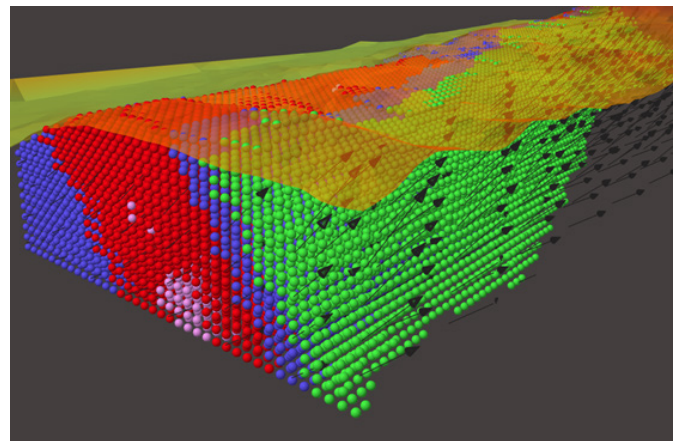
OrePro™ 3D is quickly becoming the standard in ore control for major mining operations in many different commodities. Developed through extensive specialist blast movement research based on an extensive database containing thousands of blasts.

### BLAST MOVEMENT MODELLING

Expensive sensors and blast vector indicators are not necessary as OrePro™ 3D uses blast design, post blast topography and sophisticated algorithms to determine how the blast moved.

#### WHO SHOULD USE OREPRO™ 3D:

- Geologists
- Drill and blast engineers
- Blast operation managers



Post blast ore location and topography with SmartVectors™ indicating blast movement.

**To learn more about OrePro™ 3D and how it can support your operations today, please contact your local Orica representative, or visit [orepro3d](https://www.orepro3d.com)**

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