

# BlastVision®

BlastVision® provides actionable insights from blast activity that can be used to make informed decisions, ultimately driving productivity, improving safety and helping control the impact of blasting on the surrounding environment.

**GroundProbe®**

**ORICA** Monitor



# APPLICATIONS & BENEFITS

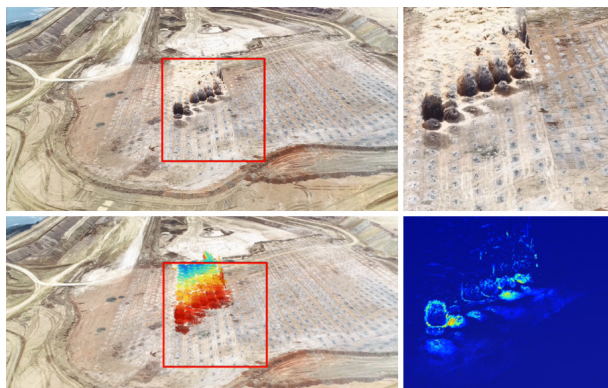
BlastVision® takes custom high-speed drone footage of a blast as it happens. Using world-first advanced proprietary algorithms, BlastVision® converts the footage into analytics data. Data is remotely analysed in our custom software platform, with insights swiftly reported back to the site. From these insights, mine site personnel can optimise blasting and monitor the impacts of blasting, improving both safety and productivity.

The crucial data aids in the detection of potential misfires and out-of-sequence firing and in identifying and tracking flyrock. Intra-blast monitoring also adds valuable wall control insights, such as monitoring and mapping instantaneous blast damage to slopes and identifying movement on significant structures. This technology is a world first. There is no other solution that provides the range of insights and data from the whole blast area that BlastVision® provides – start to finish.

## MAIN APPLICATIONS

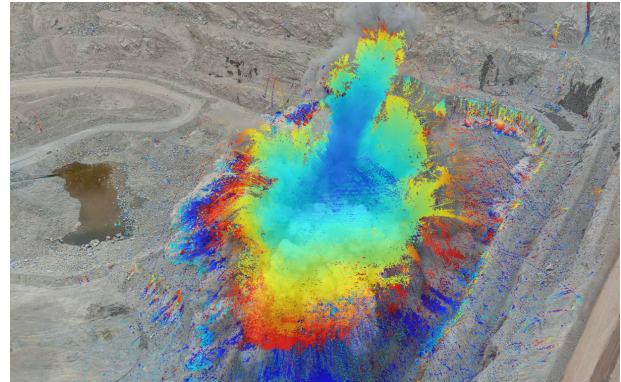
### BLAST PATTERN ANALYTICS

BlastVision® provides crucial blast analytical data to aid in detecting potential misfires and out-of-sequence movement, essential for safety and efficiency and for defining an optimal blast pattern and sequence. For ultimate precision, actual blast data is integrated with blast design data - with blast holes georeferenced in 3D.



### FLYROCK TRACKING AND PREDICTIVE MODELLING

BlastVision® monitors and tracks flyrock from a blast, assisting in preventing incidents. This is essential for safe operations where people, machinery, or infrastructure are nearby. Should it be required, BlastVision® data can be used for post-blast incident investigations. In addition, BlastVision® can aid in estimating flyrock velocity for use in modelling shorter stand-off distances.



### ENHANCED WALL CONTROL

BlastVision® monitors and maps instantaneous blast damage to slopes, including rock falls and sub-bench failures. It is the only solution to cover the entire blast area and monitors impacts throughout the blast, adding valuable insights to wall control monitoring data.

### PROACTIVE PROTECTION FOR HERITAGE SITES

Through its flyrock tracking and wall control monitoring features, BlastVision® can monitor the impact of blasting on heritage sites and be used in conjunction with other monitoring sensors for a complete view. Proactive data models ensure blasts won't impact these zones; post-blast analytics will confirm this.

### RAPID REPORTING

Reports are delivered swiftly, ensuring an early understanding of insights to inform further decision-making. There are two options to suit varying site needs – rapid and detailed. Rapid reports are delivered back to site within one hour, while detailed reports are delivered within 24 hours.

**SCAN THE QR CODE BELOW TO SEE BlastVision® IN ACTION**

