



## FOR RELEASE

February 1, 2016

### Maptek showcases innovative through-seam blast technology at ISEE

Maptek will showcase its innovative through-seam blast technology at the annual conference on explosives and blasting techniques, ISEE, in Las Vegas next week.

Maptek BlastLogic easily handles critical design factors to ensure that coal seams remain intact even during complicated blasts where there is minimal room for error.

Booth visitors will be able to see firsthand the ways that BlastLogic can monitor drill access, explosives loading around coal and timing for each bench in through-seam blasts. Tracking KPIs across all drill & blast activities streamlines quality assurance and quality control.

Snapshots of historical blasts guide selection of optimum powder factor and dictate drill burden and spacing that take into account waste and coal margins. Explosives loading rules dictate how much stemming should be loaded through coal and at the surface, and the type of explosives for wet and dry conditions.

'BlastLogic links blast designs directly with the geology model,' said Maptek Blast Management specialist Steve Putt. 'This helps ensure placement of detonators and explosives columns with centimetre accuracy to prevent unwanted dilution. Every hole can be tracked in detail across a bench and a project.'

'If drills do not have access to where holes are needed, the blast is off to a bad start. Through-seam explosives loading is unique for every hole and specific loading instructions are based on where the coal is in each hole.'

'Obviously good design is just one part of the coal recovery equation,' he added. 'Any variation from the designed load plan can cause dilution and ultimately reduce revenue. BlastLogic tracks execution progress to ensure that learnings can be passed along for future blasts.'

Direct interface to site drill navigation systems automatically retrieves as-drilled data. With live information, engineers can review any changes to the explosives loading plan immediately the holes are drilled.

Drilling mistakes can be corrected by adjusting explosives loading. Loading mistakes can be mitigated by adjusting the blast timing.

'It may take several attempts to optimise the blast', Putt concluded. 'Keeping good records guides long-term improvement. A robust, easy to use tracking system such as BlastLogic is critical to productivity. Substantial time is saved on data formatting and entry in various systems, allowing engineers to focus on drill & blast planning and compliance.'

Watch the video on BlastLogic through-seam blasting tools [here](#).

Visitors to ISEE booth 1407 will also be able to preview in-development electronic tie up tools set to come on the market in 2016.

### About Maptek

Founded more than 30 years ago, Maptek™ is a leading provider of innovative software, hardware and services for global mining. Maptek solutions are used at more than 1800 sites in 75 countries, with applications across the mining cycle. Maptek develops industry-leading software Vulcan™, Eureka™, Evolution and BlastLogic™ for mine evaluation, planning, design, scheduling, operation and rehabilitation. I-Site™ is integrated hardware and software for 3D laser scanning, surveying and imaging. The spatial data collected can be used for geotechnical analysis, stockpile measurement, design conformance and movement tracking supported by software systems I-Site Studio, Drive, PerfectDig™ and Sentry.