

Angus Melbourne
Orica
Chief Commercial Officer





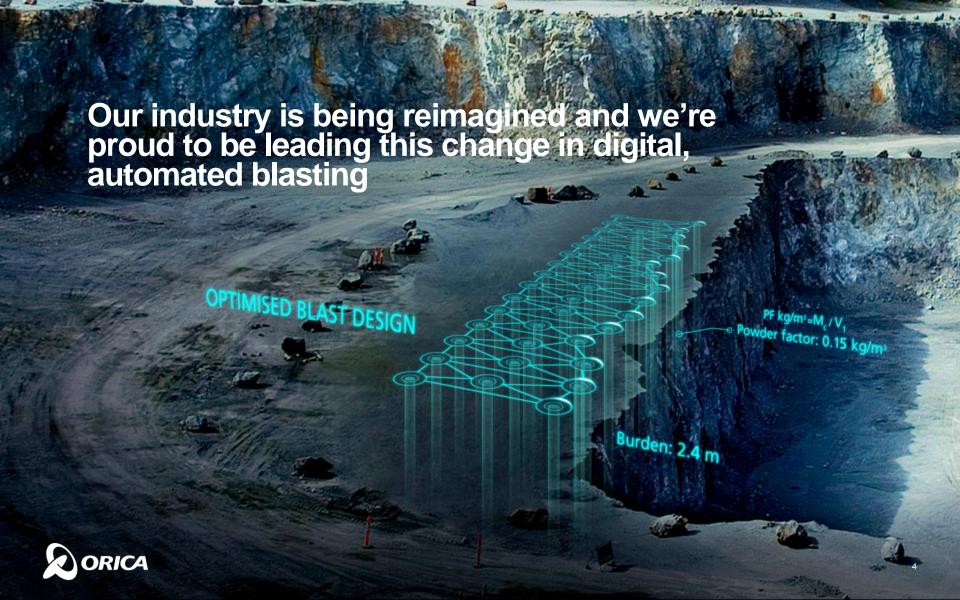


20 NOVEMBER 2018

COLLABORATION WORKS ORICA'S PERSPECTIVE







Technology and Innovation Our focus









Research and Technical Collaboration

We partner with world-leading research, education and technical institutes.

We marry their specific expertise with our know-how to create practical solutions that are meaningful for our customers.























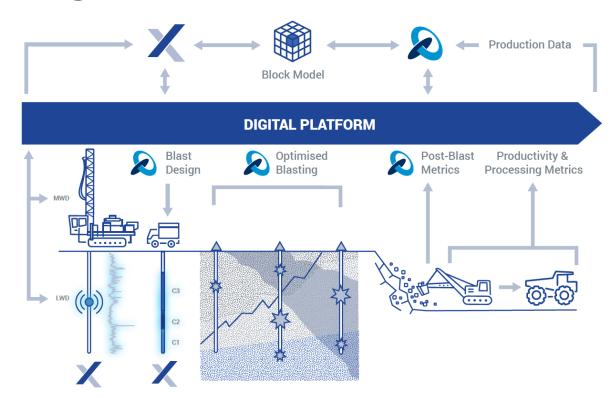
Industry Collaboration Material characterisation for optimised blasting and material tracking













Start-up Collaboration Real-Time Logging While Drilling Technology





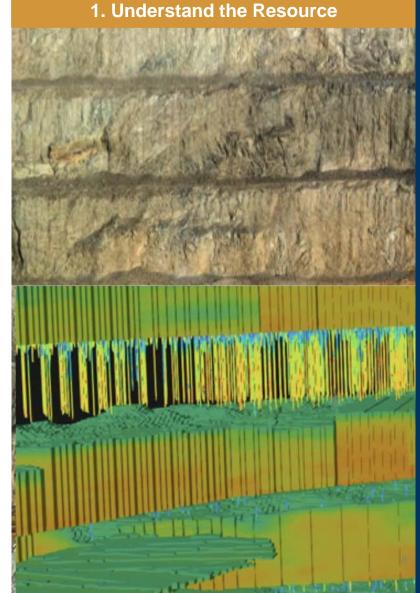
Measurements

- Rock Mechanical and Acoustic Properties
- Fracture Detection and Rock Quality Designation (RQD)
- Ore / Waste Boundaries in some Geologies
- Centimeter Level Resolution

Deployment

- Rotary today and upcoming Downhole Hammer Capable
- Production, Reverse Circulation
- Set and Forget Simplicity
- No Additional Steps or Personnel on the Bench





Supplier Collaboration Smart, connected explosives delivery system

Bulkmaster 7



Next generation MMU™

- Australian manufacturing excellence
- Latest sensor and actuator technology automates the delivery process and formulation management
- World-first seamless integration with BlastIQ[™]
- Productivity minimises the assets and labour required for delivery service
- Higher delivery rates and lower fleet costs



3. Drill and Blast Operations





Customer Collaboration World-first fully wireless blasting system







Without the constraints imposed by physical connections, wireless blasting can enable improvements in operator safety and mine productivity.

- Eliminates exposure to high risk activities
- Enables new mining methods and blasting techniques which aim to deliver, faster loading cycles, lower cost of production of metal and faster development
- Delivers improved, more flexible blasting reliability and management

WebGen is critical step towards full automation.











Community Collaboration Proudly supporting the communities where we operate

We engage with stakeholders around our operations to gain insights into the issues that matter to them and better understand their expectations.

We're passionate about increasing the uptake of STEM education and developing tailored partnerships that benefit the local communities in which we operate.

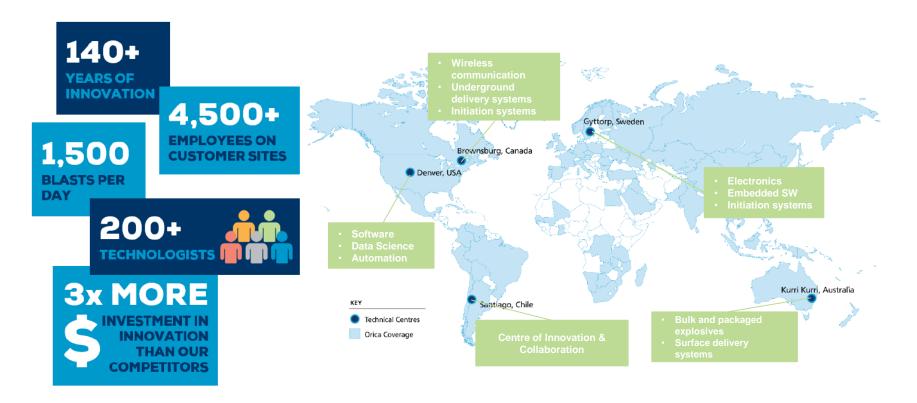
Communities are essential to our industries success.







Bringing it all together Centres of Innovation and Collaboration





Thank you



Connect with us:













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