



3D Scanning and Surveying

Delonix Solutions is at the forefront of adopting and utilising cutting-edge 3D scanning technologies and data management systems in the mining industry. We boast a broad spectrum of technical capabilities:

PRECISION 3D SCANNING

Utilising Leica's high-quality equipment, our 3D scanning processes capture over a million three-dimensional measurements per second, reducing measurement times from weeks to days. Our technology's precision spans from an accuracy of 50 microns, valuable for reverse engineering components, to a few millimeters for topographic and larger scale scanning.

ADVANCED REALITY CAPTURE

We create digital twins of physical objects and infrastructures, facilitating improved visualisation, faster modeling, and real-time access to plant conditions. This revolutionises mine planning, design, predictive maintenance, troubleshooting, and safety management.

COMPREHENSIVE DATA HANDLING

Each scan results in a 'point cloud' of data – a dense set of spatially located points that represent the scanned object's surface. Handling these data-rich point clouds necessitates robust IT infrastructure. Our RealClouds Global™ platform offers comprehensive cloud hosting, allowing clients to access, visualise, and work with point cloud data easily.

REALCLOUDS GLOBAL™

Our proprietary platform allows for dynamic interaction with 3D models, including the addition of notes, photos, or other model elements, making it a comprehensive tool for remote project management and collaboration.

COMPLEX DATA MODELLING

Our experienced team efficiently maps these closely-spaced points together on a computer, rebuilding accurate three-dimensional models of scanned infrastructures.

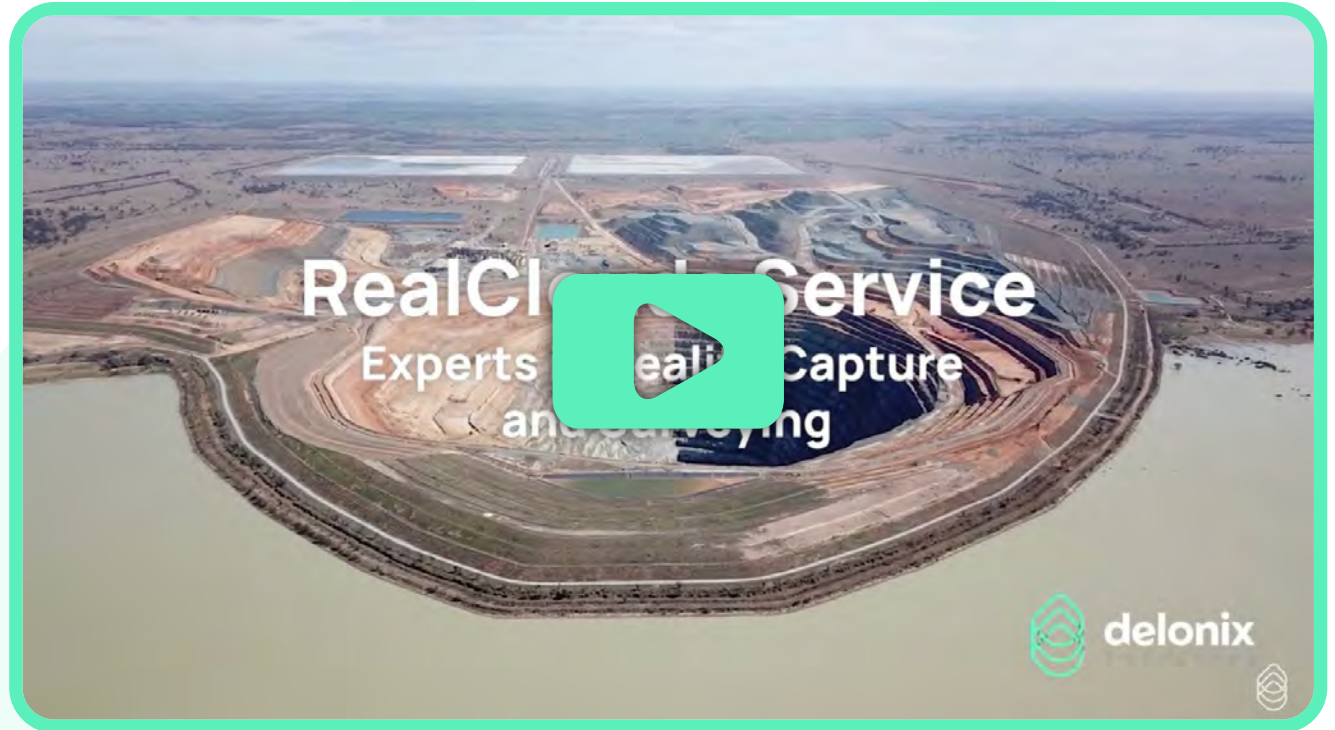
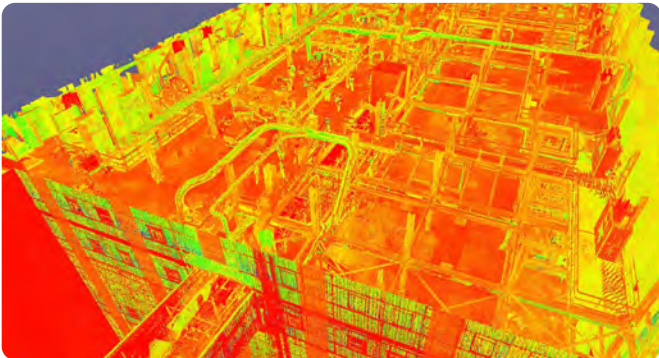
AERIAL SCANNING

Our capabilities extend to aerial 3D scanning, providing a broad, accurate view of large sites for enhanced mapping and surveying.

EXPERIENCED TEAM

With a team of approximately 50 staff, we specialise in innovative computer-aided design engineering. Our professionals bring wide-ranging experience in various surveying and mapping applications, ensuring high-quality outputs across all tasks.

Delonix Solutions isn't just a service provider – we are a technology partner committed to facilitating the Resources and Heavy industry's digital transformation. With our proven technical capabilities, we empower our clients, including industry leaders like Pilbara Minerals, Northern Star Resources, Lynas Corporation, First Quantum Minerals, BHP, and CBH, to operate more efficiently, safely, and sustainably.



GOT A PROJECT? CONTACT US.

Contact **Delonix Solutions** today to learn more about our 3D Scanning & Surveying services and how we can help you achieve your goals.

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goingfurther