

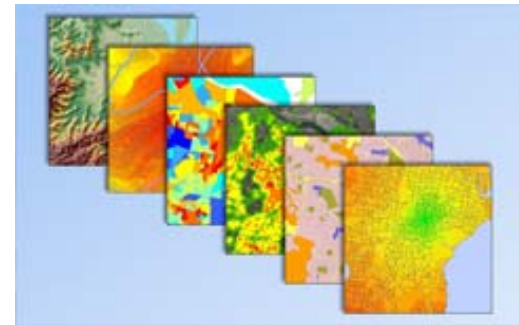
CAPABILITY STATEMENT

Beyond the Boundaries



Surveying

We are a leading surveying company in Newcastle and the Hunter



GIS Services

Managing, integrating and analysing spatial data for better decision making



Engineering Design

Expertise in providing civil design services for a variety of projects



Planning & Environment

Providing holistic planning and environmental services and solutions



Project Management

Dedicated to managing land development and infrastructure works

Newcastle: PO Box 726 NEWCASTLE NSW 2300 | 125 Bull Street NEWCASTLE WEST NSW 2302 | Phone: (02) 4926 1388 | Fax: (02) 4929 3475
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Sydney: PO Box 28 CROWS NEST NSW 1585 | Suite 405, 486 Pacific Highway ST LEONARDS NSW 2065 | Phone: (02) 9436 4210 | Fax: (02) 4929 3475

Email: survey@monteathpowys.com.au
Web: www.monteathpowys.com.au
ABN: 94 000 861 110

Terrestrial Laser Scanning

Fast, Precise Survey Data



LEICA HDS 7000

Range 180m
Accuracy +/- 0.005m



ROMER ARM

Range 2.0m
Accuracy +/- 0.00007m



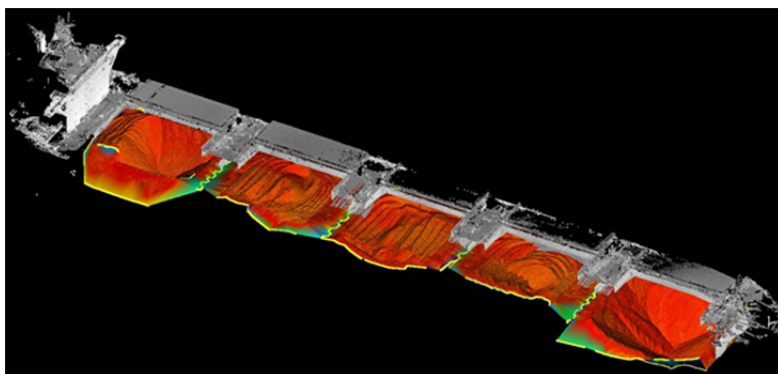
RIEGL VZ-1000

Range 1400m
Accuracy +/- 0.015m

THE BENEFITS OF SCANNING

Laser scanning deliverable data

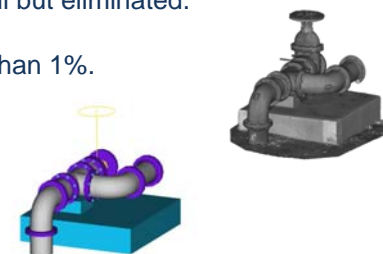
- Photo-realistic colour and black and white high resolution fly-through data viewable from any perspective.
- 3D CAD environments that allow you to pull dimensions or coordinates with simple mouse clicks.
- Complete capture of existing pre-project conditions preserved forever.



Beyond the Boundaries

Safety benefits

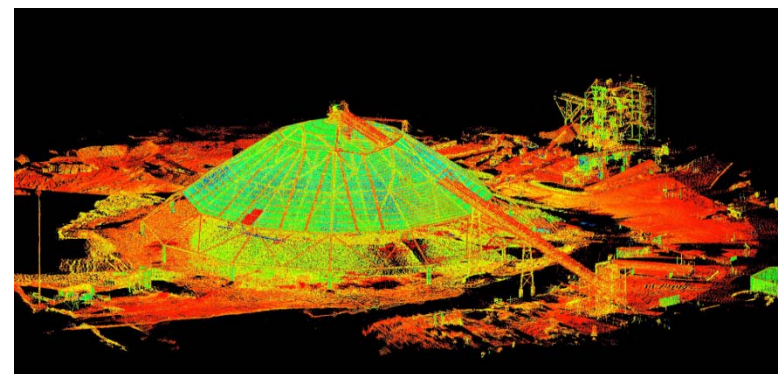
- Laser scan services will greatly reduce the need for field survey in potentially hazardous environments and can limit exposure time to a minimum.
- Field measurements, scaffolding, ladders and hands on tasks for pulling dimensions, are all but eliminated.
- Volumes accurate to better than 1%.



3D MODELLING

Captured scan data or point clouds are converted into 3D CAD shapes for import into design suites. Beams and pipes can be fitted to standard sizing tables. Most design suites now have the ability to import and use the point cloud data. This can sit in the background and be referenced as required or directly designed from.

Deformation and tolerance checking comparing design v as-built or two surfaces over time.



See examples of our scanning work on YouTube! Just search Monteath & Powys in the YouTube search bar.