



RDM DRAFTING

FOR QUEENSLAND PLANT & FACILITY TEAMS

3D LASER SCANNING

Trimble X7 · As-built point clouds · Tekla & BIM models

SCAN YOUR EXISTING PLANT. PLAN THE UPGRADE WITH CONFIDENCE.

Before you add equipment, extend a structure or plan a shutdown, we capture what's really on site with our own Trimble X7 laser scanner, so new steelwork is designed and detailed to suit the plant as it stands, not old drawings.

FOR UPGRADES AT

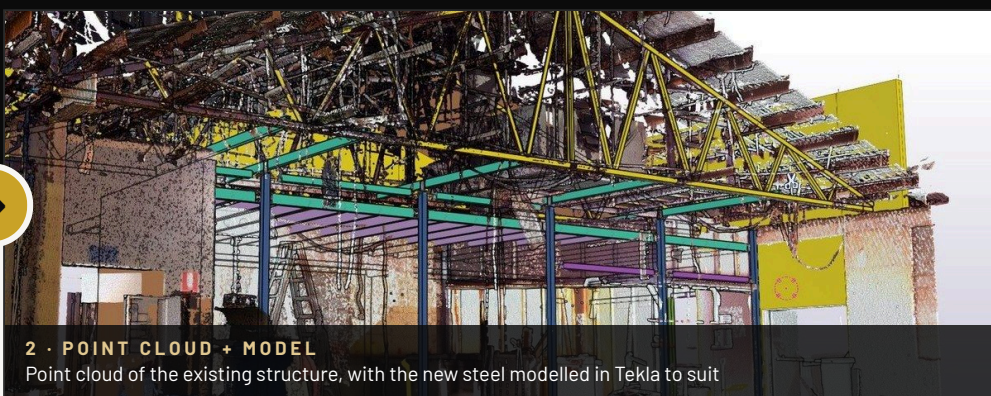
Concrete batching plants

Quarries

Food processing

Sugar mills

Mineral processing



What scanning does for your upgrade

Fits first time

New equipment and steelwork are detailed to the scanned as-built, so it fits first time with no site rework.

Shorter shutdowns

Fewer site measures: one scan captures the area in detail, cutting repeat trips and work in the shutdown window.

Safer around live plant

Non-contact scanning captures structures, conveyors and pipework from a distance, with less need to climb or measure by hand near operating equipment.

Clash checks before fabrication

New steel is checked against existing structure, services and equipment in the model before anything is cut.

Accurate, live as-built model

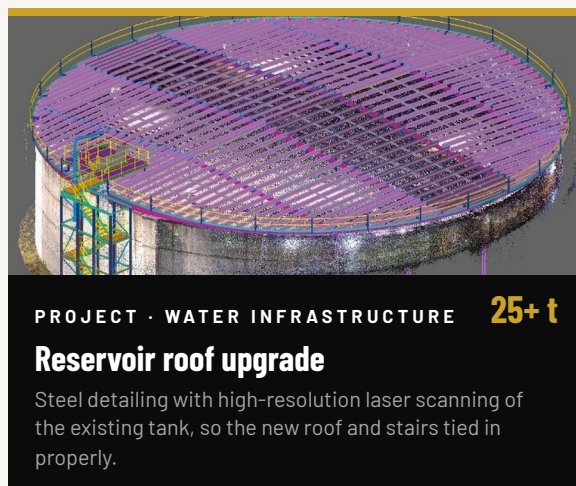
An accurate as-built and live digital model of the plant as it stands, ready to reuse for future upgrades.

One record for everyone

Engineers, fabricators and contractors work from the same model, shared through Trimble Connect.

How it works

- 1 Scan on site**
We scan the existing plant and structures with our own Trimble X7.
- 2 Register the point cloud**
Individual scans are registered into one accurate point cloud of the site.
- 3 Deliver as-built drawings & model**
As-built drawings and a BIM/Tekla model, with point clouds supplied as E57 or RCP files.
- 4 Detail new steelwork to suit**
New steel is detailed in Tekla to the real conditions, with shop drawings, BOM and NC/DXF files for fabrication.



PROJECT · WATER INFRASTRUCTURE

25+ t

Reservoir roof upgrade

Steel detailing with high-resolution laser scanning of the existing tank, so the new roof and stairs tied in properly.

REQUEST A QUOTE

Planning an upgrade or expansion?

Tell us about the plant and the work, and we'll come back with next steps. Turnaround times are provided with every quote.

Alex McCann · Managing Director

info@rdmdrafting.com.au · www.rdmdrafting.com.au