

# Terrestrial Laser Scanning

## Experience | Quality | High Definition



For the past two decades MNG has pioneered the use of **Terrestrial Laser Scanning** (TLS) technology to capture, visualise and model complex structures, sites and features. We combine innovative technology with highly skilled, **expert surveyors** to ensure our clients receive an **unrivalled quality** of service.

Our TLS systems are quick, safe, **cost effective** and deliver a high level of detail that cannot be replicated using conventional methods. Our **continual investment** in research and development ensures our technology and our people lead the industry, bringing **smart and efficient** solutions to your projects.



### CRITICAL INFRASTRUCTURE

Architects, asset owners, engineers and facility managers rely on **accurate data** to inform design. At MNG, we have **worked across** some of Australia's most **complex resource processing plants**, buildings and civil infrastructure. Our **industry leading** TLS technology ensures we never miss a key point. This enables our expert surveyors to work from a **safe workspace** while capturing potentially hazardous environments during the day and night.

### HIGH DEFINITION SURVEYING

Whether your project is a new build or maintenance of an existing structure you can **rely on MNG** to provide the **highest quality scanning** tailored to your specific project requirements.





## Building Information Modelling (BIM)

**Accurate data** collection is the starting point that leads to the development of a **spatial model** for the **lifecycle** of your asset. From concept and design through to delivery and ongoing management, **BIM digitally connects** multiple sources of data meaning you no longer have to rely on disconnected drawings for your next refurbishment project.

Our industry leading equipment and expert team will **model existing phasing** at the preferred level of detail in preparation for your design enhancements. The unique capabilities of TLS means we can **quickly and efficiently** capture the required survey data with **minimal disruption** to the project site.

## Engineering and Asset Management

In environments such as resource processing plants and **critical civil infrastructure** where access is often restricted our TLS equipment is **fast, safe and accurate**. Perfect for projects such as structural surveys, rail alignments, earthwork volumes, chute, tank and bin studies. Our laser scanning team is supported by **leading back office tools** which deliver scan-derived products in the format you require. From a small tank to entire portside infrastructure, we efficiently and **accurately scan** and deliver as-built models readily **integrated** into **industry standard** planning, design and management systems.



ACCURATELY CAPTURING  
THE REALITY  
OF YOUR NEXT PROJECT?

READY TO VISUALISE YOUR NEXT PROJECT AND CAPTURE OUR LASER SCANNING EXPERTISE? WE'D LOVE TO SIT DOWN WITH YOU AND TALK THROUGH THE POSSIBILITIES.



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