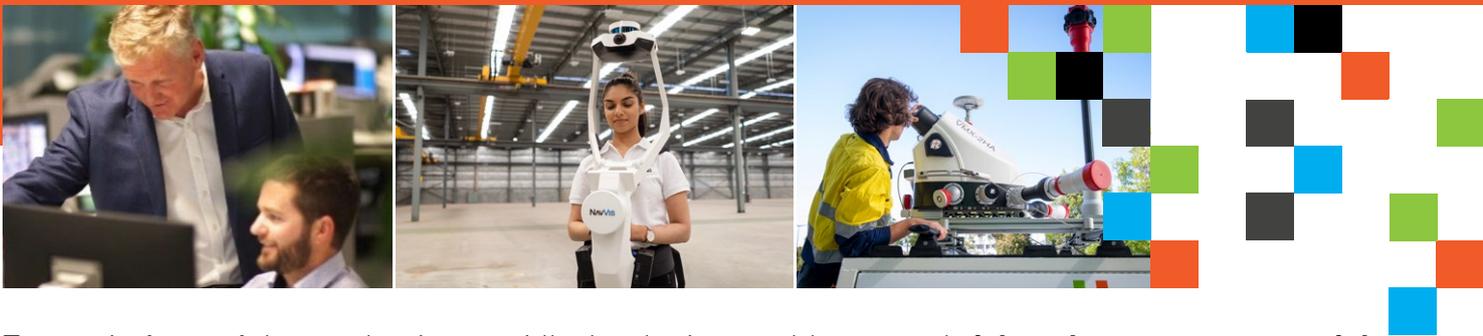


SMART Surveying

Innovative | Adaptable | Knowledgeable



To stay in front of the market in a rapidly developing world you need **rich and accurate geospatial information** that can build your knowledge, allowing you to make **better informed decisions**.

MNG is recognised as one of **Australia's leading surveying and geospatial solutions providers** backed by over 30 years of experience delivering a broad-spectrum of services. Renowned for their **innovative solutions, SMART Surveying** is the next evolutionary step within the market.

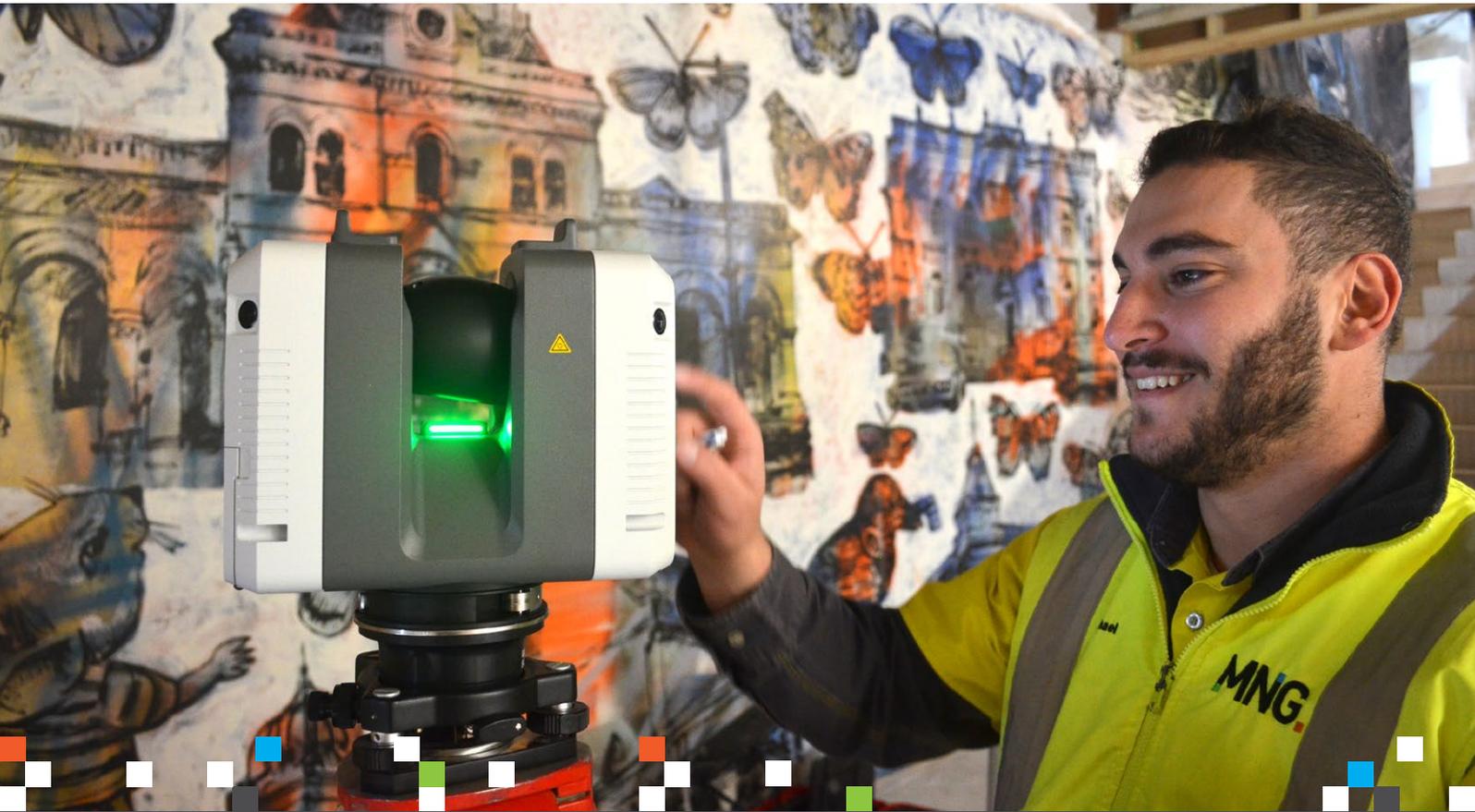
Spatial Modelling and Analysis using Real-time Technologies (SMART) Surveying provides you with **enhanced solutions with precise detail** in intuitive formats in a timely manner.

COHESIVE AND COMPREHENSIVE

MNG have built upon their vast knowledge to provide a complete SMART Surveying solution.

The solution of **SMART surveying systems** affects property developers, their consultants, architects, engineering design and construction teams in the geospatial market. The impact of poor data or poorly presented information can be misinterpreted taking time and resources to review and resolve. A successful solution is a suite of innovative solutions that work with each other to provide **clear and accurate information in an intuitive manner** which is easily accessed and consumed.





HIGH DEFINITION AND HIGH ACCURACY LASER SCANNING

HIGH DEFINITION AND ACCURACY LASER SCANNING SOLUTIONS ARE AT THE VERY HEART OF SMART SURVEYING SOLUTIONS WHERE MNG IS THE MARKET LEADER IN ALL FORMATS OF LASER SCANNING.

- Terrestrial Laser Scanning (TLS);
- Mobile Laser Scanning (MLS);
- Aerial Laser Scanning (ALS); and
- Mobile Mapping Scanning (MMS).

With over 20 years experience with LiDAR, MNG can capture virtually any environment using one or multiple systems to deliver unsurpassed information.

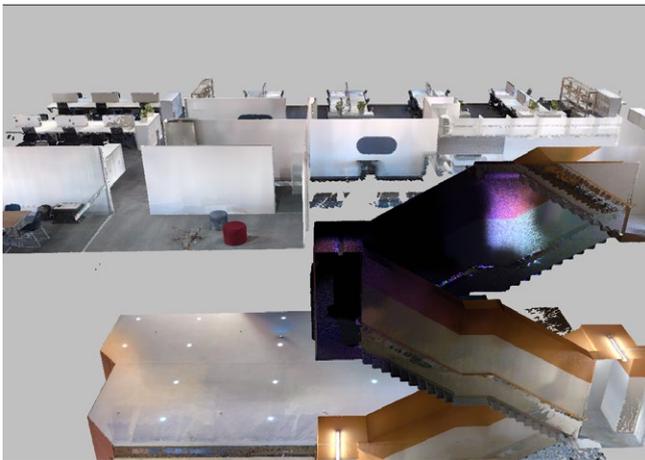
Information can be provided for 3D geospatial models, and used with Computer Aided Design (CAD) models for 3D Visualisation.



3D VISUALISATION SOLUTIONS

Knowledge is power and a 3D visualisation must be accurate to make decisions based upon real-world data. MNG can capture the real-world with their vast array of scanners so that embedded digital models are viewed in true reality in every detail, down to surrounding vegetation.

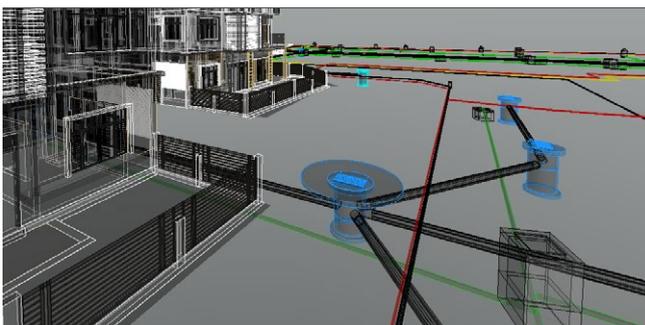
A variety of online platforms can be used to view, share and collaborate information with relevant stakeholders.



Mobile Mapping (HALO-II)

The introduction of the High Accuracy LiDAR Optimiser and Interlaced Imagery (HALO-II) provides a new level of rapid mobile mapping for the Architectural Engineering Construction (AEC) market.

Mobile Mapping is used for reality capture to create survey accurate three-dimensional geospatial twin models of complex buildings and structures to allow detailed planning to be undertaken for a variety of purposes from dilapidation reports through to repurposing space.



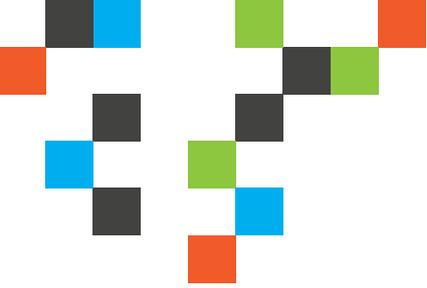
Subsurface Modeller

Subsurface utilities run near each and cross over other services at different points. They are complex to understand and mistakes in excavation are costly and timely. Subsurface Modeller enables clear 3D Visualisation of each service and minimising the risk of strikes.



X-RAY

MNG are pioneering eXtended Reality Augmentation sYstem (X-RAY) solutions to provide users an instinctive method of mixing the real world with the virtual and digital world. X-RAY solution Users can move around a project site and visualise 3D models, above and below ground, to see the impact of such models.

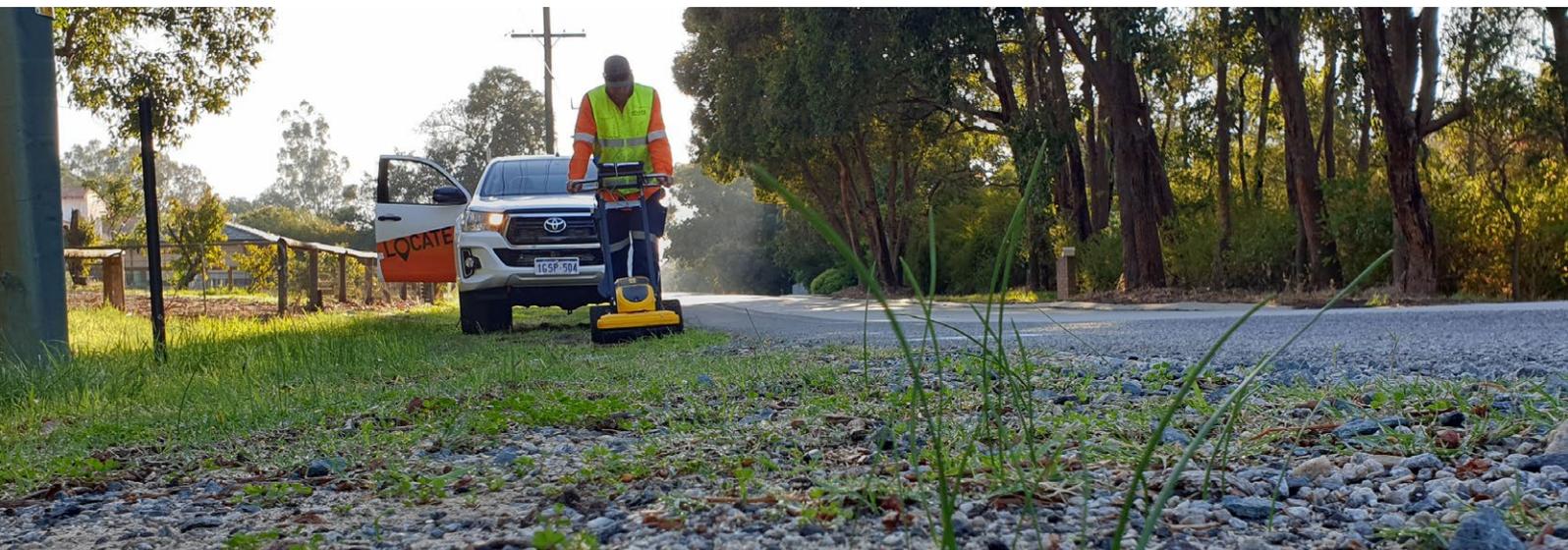


Digital Geospatial Twin Modeller

Digital twin, or more correctly **Digital GGeoSpatial Twin (DIGEST)** models are being adopted in the Architectural Engineering Construction (AEC) market and within infrastructure sectors to **minimise mistakes and delays in construction**. It is imperative that an accurate and detailed model of the existing landscape and any structures are captured prior to design.

MNG is well poised in these sectors with the accurate capture of buildings, external and internal features, and surrounding structures and environments utilising **high-accuracy high-definition laser scanning solutions** and **HALO-II**. High resolution 360° panoramic imagery can also be captured with the laser scanning for further detail.

MNG work with all major Building Information Modelling (BIM) systems for complete integration.



**RICH ACCURATE GEOSPATIAL
INFORMATION TO BUILD
YOUR KNOWLEDGE**

READY TO SEE WHAT VALUE MNG CAN ADD TO YOUR NEXT PROJECT? WE'D LOVE TO SIT DOWN WITH YOU AND TALK THROUGH THE POSSIBILITIES.

MNG

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