



2024

# Geo Scan 3D Capability Statement

Advanced Mapping for Enhanced Project Outcomes  
Deliver projects faster and more cost-effectively than ever before

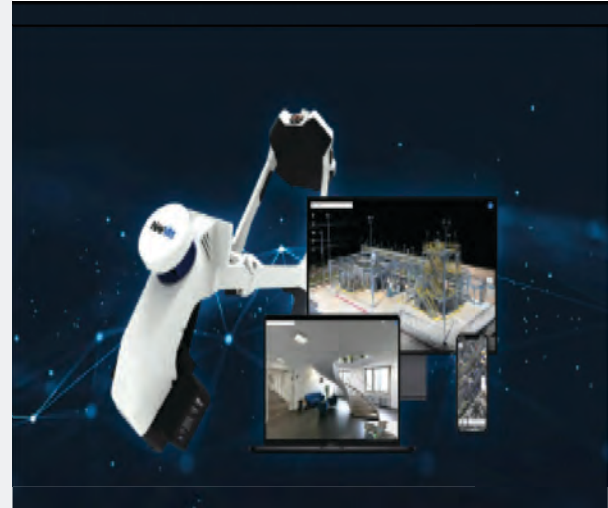
# » About Geo Scan 3D

Imagine the ability to immerse yourself in a digital twin of your site, facilities and assets from any device and from any location.

Envisage the capacity to reduce cost blowouts, lower risks, streamline tender processes, enhance smart collaboration, and ease workloads for facility managers and decision-makers to name a few.

Australia wide, Geo Scan 3D can achieve this for you and much more.

Geo Scan 3D creates state-of-the-art and complete digital twins, 3D models, 2D floor plans, asset tracking and management data, wayfinding - indoor navigational tools, and topographical surveys.



Mark Stanley and Craige Hills are co-founders of Geo Scan 3D.

Geo Scan 3D was born from an innovative vision to deliver digital mobile mapping services Australia wide, ensuring location is no barrier to access this cutting-edge technology.

Mark and Craige's collective experience spans many years across multiple industries, including mine sites, geospatial surveying, engineering, agricultural, facility and asset management, fire auditing and regulatory compliance, and indoor and outdoor digital mapping using the superior NavVis VLX 3.

The professional team at Geo Scan 3D is customer focused and pride themselves on achieving service excellence. The company ethos aims to build long standing business relationships based on consistency, certainty, trust, transparency, and exceptional after-sales service.

Based in Cairns, Geo Scan 3D's specialist team is ready to fly the company plane to deliver an Australia wide service directly to your doorstep.

# » Geo Scan 3D – Revolutionise the way you work



Digital twin of Bolands Centre – Cairns



**Revolutionise your sites, facilities and assets and the way you work with digital twins by Geo Scan 3D.**

**Digital Twins?  
Think 'Google Maps' for both indoor and outdoor environments.**

**With accuracy to within sub-5mm, Geo Scan 3D delivers:**

Digital Twins                      3D Modelling  
2D Floor Plans                      Topographical Surveys  
Wayfinding – Indoor Navigation

## Imagine a day when you'll no longer need to:

File and store paper-based plans in filing cabinets that take up valuable office space.

Waste time hunting down and copying maps, plans and specs.

Organise on-site visits for contractors to review, assess, and quote on works.



## A digital twin has multiple benefits, including but not limited to:

- Reduce cost blowouts and control variables.
- Plan for disaster management, rebuild quicker and save on costs.
- Assist with fire auditing and compliance.
- Data stored in one central location, easily stored, accessed and shared.
- Future-proof asset management.
- Gain an eagle-eye overview of sites, facilities, and projects.
- Reduce the need for on-site visits, reducing time, risks and costs.
- Fast-track tender processes.

**Geo Scan 3D can transform your sites, facilities and assets into web-base intelligent spaces. Reality captured data is viewed on a user-friendly platform for smart collaboration and informed data driven decision-making.**

# » Geo Scan 3D – Capture reality with Digital Twins

Australia wide, Geo Scan 3D offers a groundbreaking mobile laser scanning and mapping service that outperforms traditional methods in many ways.

Geo Scan 3D creates precise, comprehensive, highly detailed reality captured data of both indoor and outdoor spaces and turns that data into digital twins and much more.

Envisage working with digital twins of your sites, facilities and assets to ease your workload, enhance smart collaboration and amplify confident decision-making.



Scanning progress is monitored in real time with a touchscreen, ensuring complete and comprehensive coverage of indoor and outdoor spaces.

Imagine one billion survey grade points every 15 minutes of scanning, and what can be done with that amount of data and information.

Geo Scan 3D creates digital twins using the NavVis VLX 3 with cutting-edge LiDAR SLAM technology.

The cornerstone of reality capture.



<https://www.youtube.com/watch?v=s0QA3Bzlhk>



**Terrain Versatility** – effective in diverse environments, from dense urban areas to rugged, remote landscapes, and all without compromising on either detail or accuracy.

**Risk Reduction** – enhance safety by enabling remote surveying of potentially hazardous and/or inaccessible areas.



**NavVis VLX 3 – Multiple Benefits** – It starts with a high precision laser scan.

- Unprecedented speed and scale with global accuracy of sub-5mm.
- Capture immersive 360-degree panoramic views.
- Reality capture offers a virtual window into facilities and construction sites.
- Scan on-site with minimal intrusion and person blurring functionality.
- Enables agile project management as data can be collected and analysed as needed, supporting historical recordkeeping.
- Complex environments are easily recorded with unparalleled completeness.
- Captured data can be processed into fully immersive 3D actualisations that can be easily stored, accessed and shared from any device or location.

# » Geo Scan 3D – Coverting reality captured data into Digital Twins and more ...

Once your sites, facilities, and assets have been scanned, Geo Scan 3D can convert the reality captured data into a wide range of applications and maps to suit a multitude of needs. One scan. Multiple solutions!

Digital Twins

3D Modelling

Wayfinding – Navigation

2D Floor Plans

Topographical Surveys

Interactive and immersive, digital twins can be accessed from any device or any location.



NavVis IVION – makes life easier.

## NavVis IVION

Driving innovation, Geo Scan 3D can transform your sites, facilities, buildings and assets into web-based, intelligent spaces from which digital twins can be generated.

Imagine having interactive and immersive digital twins to help you assess, plan, and manage your indoor and outdoor spaces, revolutionising the way you work.



## Benefits of IVION

- User-friendly and intuitive design makes digital indoor and outdoor spaces accessible to stakeholders.
- Avoid rework with real world representations of as-is conditions.
- Smart remote collaboration tools.
- Remote or on-site, interacting with your digital twins will ease workloads and enhance performance in facility and building operations.

## 3D Modelling

3D Modelling adds depth dimension, detail and accuracy, and offers unparalleled quality, providing complete and comprehensive information.

## 2D Floor Plans

2D Floor Plans provide a clear and accurate visualisation tool that shows property flow and assists with planning, construction, rebuilds and more.

Geo Scan 3D deliverables can be accessed in various formats including but not limited to: PDF plans, DWG plans, 3D DWG files, REVIT 2020, IFC documents.

## Wayfinding – Navigation

Bring next-generation location experiences and insights to your workplace. Create an interactive and connected experience for staff onboarding and visitor experiences with indoor navigation that has real time location analytics, is accessible across devices and can integrate with third-party systems.

## Topographical Surveys

Traditional surveying methods have their challenges, can be hazardous and time-consuming. Topographical surveys by Geo Scan 3D are easily achievable using the NavVis VLX 3 that offers state-of-the-art LIDAR scanning abilities, unmatched SLAM technology, and can effortlessly penetrate dense vegetation and rough terrain.

# » Geo Scan 3D – Our Clients. Our Team. Trusted Australia Wide.

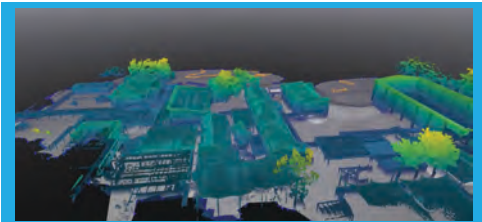
Leaders in their field, Geo Scan 3D was the first to bring the innovative mobile mapping NavVis VLX 3 to Australia. We provide an Australia wide service to both urban and remote locations.

Geo Scan 3D is continuously building trusted business relationships with various industry sectors, including local councils, state government departments, mining, hospitality, TAFE campuses, and other educational facilities, including Caravonica State School in Queensland.

## CASE STUDY

When disaster management was initiated after Cyclone Jasper in 2023, Caravonica State School was able to rebuild quicker after Geo Scan 3D safely entered, scanned the entire campus and created a digital twin. This reality captured data of all indoor and outdoor spaces was then easily shared with stakeholders and proved to be an invaluable resource in the rebuild process. The data extracted from the scan assisted in controlling variables, reducing cost blowouts, and aided in re-opening the school

- Insurance assessors and quantity surveyors remotely viewed and assessed damage
- Data/electrical points were located for assessment/replacement
- Classroom infrastructure was identified and easily re-ordered
- Quote requests provided exact measurements for materials including floor covering, paint, and plumbing supplies
- Assessment of areas for demolition and clean-up teams to start work as soon as possible.



**Caravonica State School**  
Digital Twin: 360-degree panoramic views



Rebuild quicker with Geo Scan 3D



## Australia Wide Service



Location will never be a barrier to accessing our mobile mapping service.

Remote or Urban location, Geo Scan 3D will fly directly to your doorstep.



## Geo Scan 3D – Meet the Team



Mark Stanley  
Co-founder

Mark has a professional background in mining, geospatial surveying, engineering, fire auditing and compliance, and commercial building management. A pilot with a love for flying, he believes living in a remote location shouldn't be a barrier to accessing cutting-edge mobile mapping technology.



Ken Kai  
Online Marketing

Ken combines over fourteen years of web development and digital advertising, elevating Geo Scan 3D online presence and digital strategy.



Craige Hills  
Co-founder

Craige has a professional background in agriculture, commercial building management, and fire auditing and compliance. He is factory training in Germany and certified in using the VavVis VLX 3. Craige is passionate about sharing this pioneering technology across Australia and align the industry with the rest of the world in this major growth area.



Denise Stanley  
Administration

Denise has over thirty years of administration and strong accounting skills. She is Geo Scan 3D's organisational linchpin, enhancing client service and operational efficiency.

# Start Your Mapping Revolution Today

## Smart Solutions



# NAVVIS

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