

AERIAL  
PERSPECTIVES  
Australia

# CAPABILITY STATEMENT

# BUSINESS OVERVIEW

From our established base in SEQ, Aerial Perspectives Australia continues to support businesses across Queensland and Northern NSW.



We provide accurate, cost-effective 3D site capture and aerial mapping solutions that enhance safety, planning, and operational efficiency across multiple industries.

Fully insured and customer-focused, our team delivers tailored results quickly and professionally. Whether for project management, asset monitoring, marketing, or property visualisation, we help clients improve efficiency and gain new perspectives.

With a proven track record in architecture, construction, and environmental sectors, Aerial Perspectives Australia combines cutting-edge 3D scanning, immersive virtual solutions, and aerial mapping technology to deliver precise, reliable outcomes. Our focus on accuracy, innovation, and practical problem-solving has earned us a trusted reputation in the industry.

**BUSINESS NAME**  
Aerial Perspectives Australia

**ABN**  
407 9870 1909

**YEAR ESTABLISHED**  
2019

**PHONE**  
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**MAIN SERVICE AREA**  
East Coast

**EMAIL**  
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**WEBSITE**  
www.aerial-perspectives.com.au

**MARKET SERVED**  
Architecture, Engineering, Construction,  
Planning, Governments, Industrial,  
Commercial, Residential.

**BUSINESS ACTIVITIES**  
3D Scanning, Scan to CAD/BIM, Custom Site  
Scanning, Point Clouds, Aerial Mapping.

# OUR SERVICES

We deliver precise, tailored solutions for the **Architecture, Engineering, Construction, Planning (AECP)**, manufacturing and government sectors:



**3D Site Capture:** captures highly accurate digital replicas of physical spaces, providing detailed models that enhance planning, documentation, and project management.



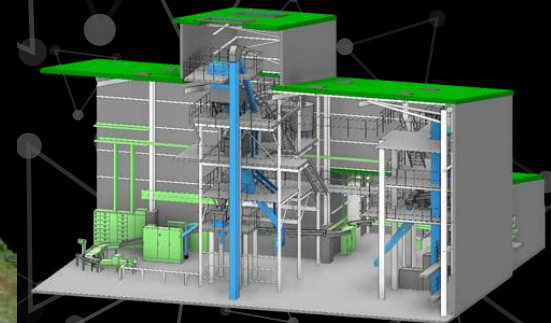
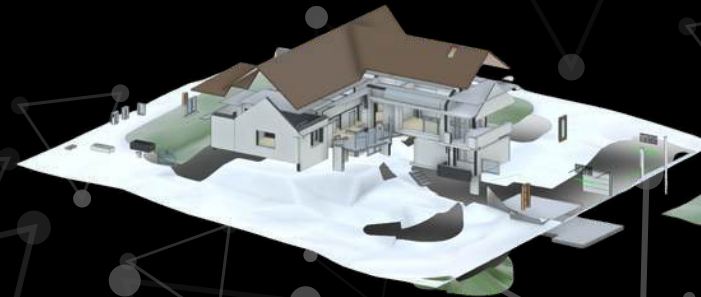
**Scan-to-Design:** Converts scans into BIM and CAD-compatible files, enabling accurate planning, seamless integration, and efficient project management.



**Customised 3D Solutions:** Develops 3D virtual assets for site orientation, induction, facility operations, safety training, and promotional content, tailored to each project's needs.



**Aerial Mapping & Modelling:** produces terrain maps and 3D models for enhanced site analysis, planning, and project visualisation.





# 3D SITE CAPTURE BENEFITS & THE SHIFT TO DIGITAL TWINS

Digital twins provide a comprehensive, interactive 3D model of a space that enhances decision-making and maintenance throughout a building's lifecycle.



Our 3D site capture solutions are a major improvement over traditional methods, providing clients with precise, interactive models that enhance every stage of a project. By transitioning to digital twins, we offer a transformative approach that streamlines processes, reduces costs, and supports better decision-making across industries.

Cut defect-related time and costs



Support insurance claims



Streamline site inductions



Provide quick trade references



Improve communication and collaboration



Ensure quality assurance and safety



Review & document current work



Aid in organisational compliance



Facilitate offsite approvals and troubleshooting



## TRADITIONAL METHODS VS DIGITAL TWINS

### Challenges

**95%**

of all data captured in construction and engineering industry goes unused.

Source: FMI

**52%**

of reworks is caused by poor project data and miscommunication.

Source: Autodesk

**24%**

of total project cost (direct or indirect) is rework.

Source: Navigant Construction Forum

### Outcomes

**53%**

Cost savings on travel and site visits.

**30%**

Less time to complete project.

**24%**

Improved sustainability. (by reducing unnecessary travel, rework, and site visits).

# INDUSTRY-SPECIFIC APPLICATIONS



## A.E.C.P

Our high-precision scans support documentation and compliance at every project phase:

- **Accurate As-Built:** Detailed models document phases like pre-slab, pre-plaster, and final.
- **Compliance Clarity:** Reduce RFIs and streamline remote assessments with interactive models.
- **Scan to Design:** Easily incorporate scans into CAD/BIM workflows, minimising errors and delays.



## Local Governments

Our 3D site capture solutions provide a reliable, transparent way to streamline tendering and improve project oversight:

- **Pre-Tender Documentation:** 3D assets provide detailed site data for accurate pre-tender assessments, helping councils reduce site visits and minimise miscommunications.
- **Enhanced Collaboration:** Interactive, accessible models enable councils and contractors to visualise project requirements clearly, leading to more informed decision-making and streamlined tendering processes.



## Asset Management

Our technology enhances property management and environmental oversight:

- **Property Showcasing:** Immersive 3D tours increase engagement and showcase properties in detail.
- **Maintenance Tracking:** Scans enable effective asset management and monitor changes over time.
- **Environmental Monitoring:** Capture sensitive landscapes accurately for compliance and conservation.



## Manufacturing Facilities

Our 3D site capture solutions minimise downtime and improve operational planning in complex manufacturing environments:

- **Reduce Shutdowns:** Remote planning with 3D models minimises costly on-site interventions.
- **Optimise Layouts:** Accurate scans streamline renovation planning and prevent errors.
- **Training and Retention:** Use immersive models to capture essential layout details for efficient staff training.





# CASE STUDY 1

## Enhancing Project Efficiency with 3D Site Capture

Using 3D capture from the project's start led to major **time and resource savings**, along with several key advantages:

- **Invisible Infrastructure Documentation:** The digital twin captured essential pre-plaster and details, documenting wiring, plumbing, and structural elements that would later be hidden.
- **Streamlined RFIs:** Comprehensive visual records reduced Requests for Information, speeding up responses.
- **Offsite Collaboration:** Remote access to the 3D model kept all stakeholders aligned without frequent site visits.
- **Long-Term Asset Value:** Preserved as a valuable asset, the digital twin aids future upgrades and maintenance without invasive inspections.
- **Data Capture:** Provided seamless integration into BIM workflows, CAD designs, and detailed floor plans, ensuring accuracy and efficiency across all project phases.

*Aerial Perspectives Australia was truly invaluable to our project. Their 3D site capture streamlined site inductions, quality checks, and offsite collaboration, saving us a significant amount of time and money. The team was professional, skilled, and a pleasure to work with!*



5.67m

# CASE STUDY 2

## Capturing Hidden Infrastructure with 3D Site Capture – Belongil Pre-Plaster

During the construction of a new home in Belongil, we carried out a complete 3D site capture at the pre-plaster stage. This created a detailed, measurable record of every element before walls were closed, providing long-term clarity and peace of mind for both builder and client.

- **Hidden Infrastructure:** Documented wiring, plumbing, and framing before walls were closed.
- **Quick RFIs:** Reduced queries with verifiable visual data.
- **Remote Access:** Enabled collaboration without repeat site visits.
- **Future Asset:** Permanent record for renovations, repairs, and maintenance.
- **Remote Collaboration:** Stakeholders accessed the model online, cutting down the need for repeat site visits.
- **BIM Ready:** Point cloud and CAD integration for precise workflows.

*Aerial Perspectives Australia's pre-plaster 3D capture gave us complete confidence moving forward. Every wire, pipe, and structural detail was documented clearly, saving us from costly mistakes down the track. The process was seamless, and the outcome invaluable.*



2.86 m

3.49 m

1.44 m

2.98 m

2.48 m



# 3D SITE CAPTURE OVER MULTIPLE STAGES OF YOUR PROJECT



## Pre-Construction / Dilapidation

- Capture HD documentation of existing conditions to prevent rework.
- Support public protection planning and manage traffic impacts
- Measure site access and clearances to ensure safety and compliance.



## Existing Conditions / Takeover

- Create high-resolution digital twin of completed works for accurate records.
- Quickly share project details with stakeholders and insurers.
- Support dispute resolution and insurance claims.



## Pre-Slab

- Document in-slab elements to reduce costs from x-ray scans and invasive inspections.
- Strengthen QA with visual records of pre-pour inspections and facilitate RFIs.
- Share live as-built data with stakeholders to confirm installation compliance.



## Pre-Plaster

- Verify in-wall and ceiling installations align with project specifications.
- Strengthen QA with visual records of pre-plaster inspections & accurate measurements.
- Share live as-built data with stakeholders to support RFIs and confirm compliance.



## Defects / Final

- Track and manage outstanding defects by milestone dates.
- Provide an interactive visual record to prevent costly rework from incoming tenants/owners.
- Use the model for tenant move-in/move-out conditions and future construction changes.



## Operations and Maintenance

- Support facilities management, renovations, and asset lifecycle tracking.
- Enhance operations with detailed records for ongoing maintenance.
- Streamline asset management throughout the facility's lifecycle.





# THE PROCESS

## PRE-CAPTURE CONSULTATION

We begin by assessing project requirements, taking into account site specifics, objectives, and technical needs to develop a customised 3D site capture plan tailored to ensure precision and efficiency.

## THE SCANS

Aerial Perspectives Australia offers a diverse array of capture that can be conducted at various stages throughout the project's lifecycle. These encompass:

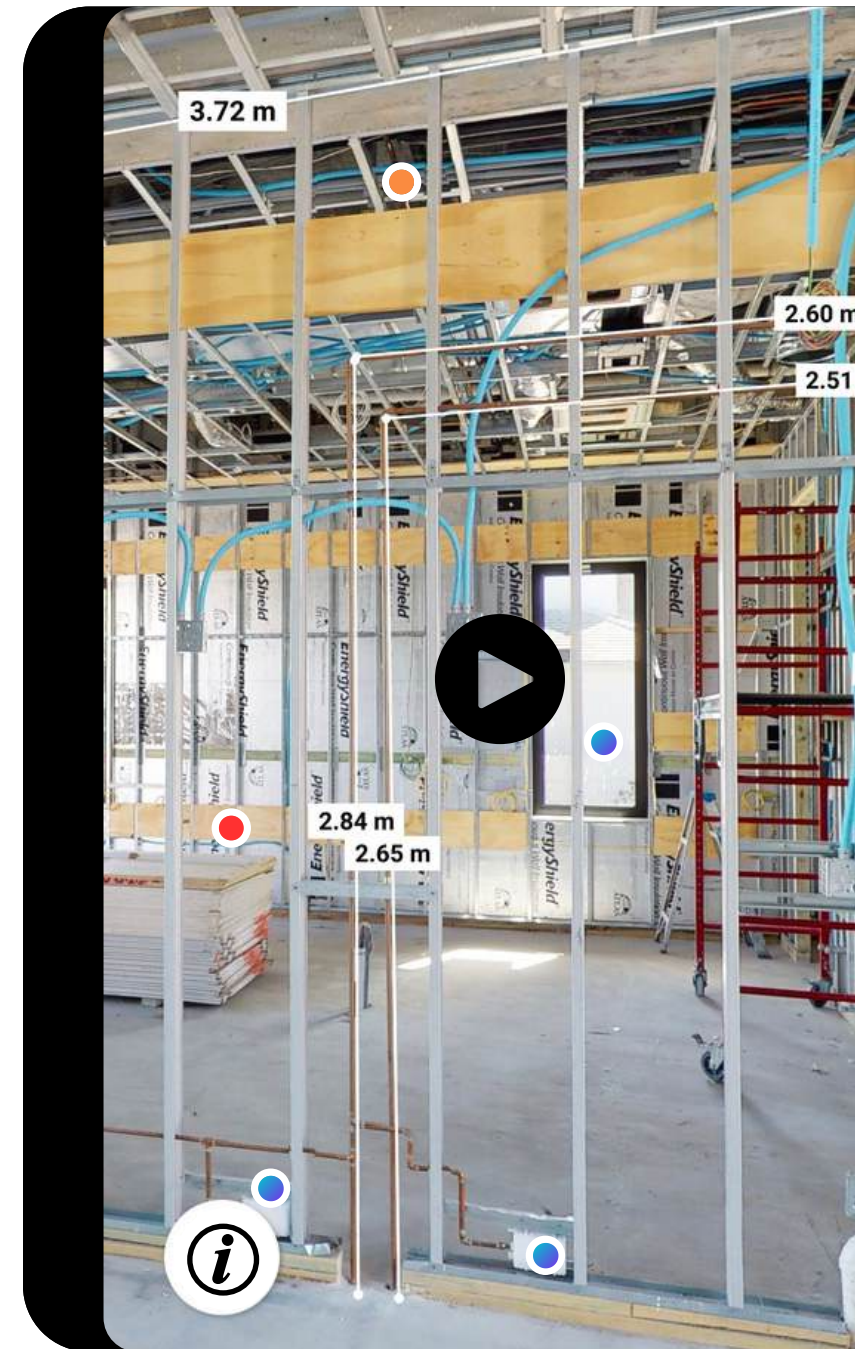
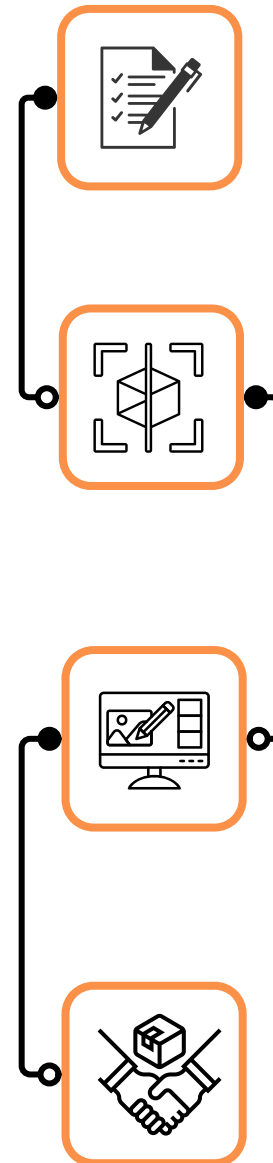
1. Pre-Construction
2. Dilapidation Scanning
3. Existing Conditions
4. Pre-Slab
5. Pre-Plaster
6. Defects and Final Assessment
7. Operation and maintenance

## THE EDIT

We compile the completed scan files obtained during the site visit into an interactive model for viewing. Additionally, we extend the option to include further features at this stage, such as customising, labelling, and incorporating additional media not taken during the initial scan.

## THE HANDOVER

Once the editing process is complete, we will provide you with the finalised 3D model and accompanying documentation, accessible online. We will also print a QR code for contractors to easily access the 3D immersive model.



# CONTACT US

Discover How Our 3D Scanning Solutions Can Transform Your Projects – Contact Us Today.



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