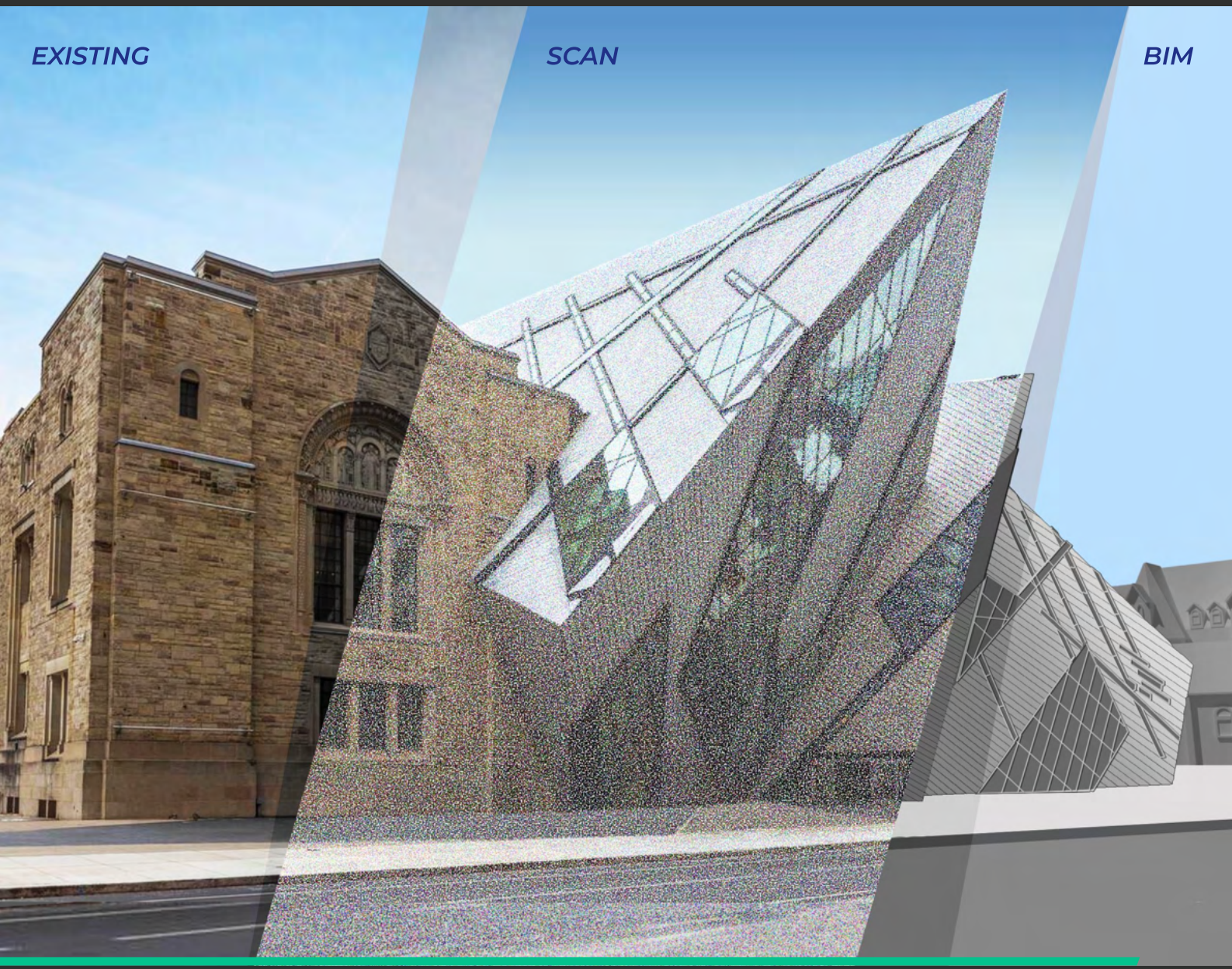
LARKi



3D SURVEYS
made easy

info@larki.au
LARKI.au
1800 3D SCAN

A new way to survey

Don’t go in person. Do site measure-ups online. Download 3D buildings, streets or neighbourhoods within minutes!

- Saves **architects** days of modelling time
- Saves **planners** weeks for assessments
- **Developers** save the project months & thousands of $$$

LARKI’s online Platform provides fast and affordable 3D laser scans and digital models, empowering change-makers and managers with spatial information for the places they wish to change or protect.

Image: 360 Photo in the LARKI 3D Viewer online

Image: Exterior Tripod 3D Point Cloud with measurements

Why LARKI?

Easy

- Online ordering interface
- 2D Map, File Manger & 3D Viewer
- Expert services and support

Affordable

- Up to 87% cheaper
- ~2,000 km² in database for sale
- Reduces your in-house costs

Fast

- Saves days, weeks or months
- No need for site measure-ups
- 3D to save time in your software

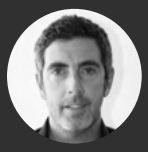
Above image is a 3D laser scanned point cloud that can be imported into architectural software.

Our customers' secret weapon

Petar Petrov
Petrov Architecture

" LARKI 3D surveys really saved us time.

All the necessary information was collected in great detail, allowing us to work with confidence and avoid having to return to the site to re-measure. LARKI 3D surveys really are a game changer.



James Murray
Tandem Architecture

" ... allowed us to design with certainty & precision...

Whoa! This point cloud survey is next level! LARKI has allowed us to design with certainty & precision around existing conditions. We see their 3D point clouds as essential tools in any architects' workflow.

Dominic Piccolo
Piccolo Architecture

" I'm converted! Literally saved us days of our time.

LARKI's 3D Point Clouds saved 100% of the time that I would have spent measuring on site for design, and saved 25% of my time on site during construction. Plus, I checked LARKI's 3D point cloud survey against a traditional 2D survey - LARKI's file was more accurate by 105mm...God sent!"

Trusted by some of the industry's best

fjmt · BREATHE ARCHITECTURE · John Wardle Architects · sixdegrees · hayball · JLL · theAlfred · Brookfield Properties · DEAKIN UNIVERSITY · lendlease

Contents

INTRODUCTION

3D LASER SCANS

Output as 3D Point Cloud spatial data of your site

BUILDING INFORMATION MODEL (BIM)

Architectural model (derived from 3D Point Clouds)

PLATFORM MEMBERSHIPS

Software-as-a-Service to view & manager your 3D Data & BIM online

CONTACT

Level up built-environment stakeholders

Property owners

Including property developers, planners, facility managers.

For houses, offices, mixed use, churches, schools, heritage buildings and more.

- Reduce risk of errors
- Make the most of your space
- Reduce project delays
- Reduce holding costs

Project architects

Including drafties, building designers, civil engineers & landscape architects.

In small, medium and large offices.

- Reduce professional indemnity risk
- Receive best info for best designs
- Less mindless work, more design
- Reduce costs to maximise job profits

Traditional 2D land surveys vs LARKI 3D Surveys

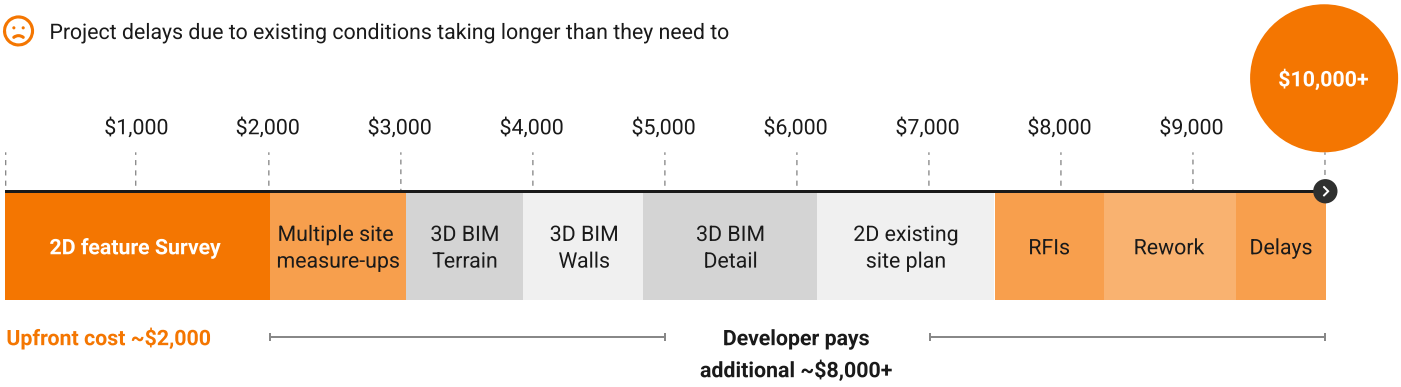
Traditional 2D surveys	LARKI 3D Surveys
100 site data points in 2D	~1,000,000 site data points in 3D
4 weeks onsite & drafting time	~Fast online file delivery in minutes
$2,000 for a 2D feature survey	~$500 Streetscape & Aerial 3D Point Cloud
☹ Costly rework from lack of info	☺ ~10,000 x better resolution
☹ Delays finding info & fixing errors	☺ ~700 x faster
☹ Risk sacking/sued/insurance	☺ ~8 x cheaper

~ based on Streetscape/Aerial 3D Point Clouds in our database for small inner city Melbourne and Sydney architecture projects, exc GST.

2D vs 3D Survey pricing comparison

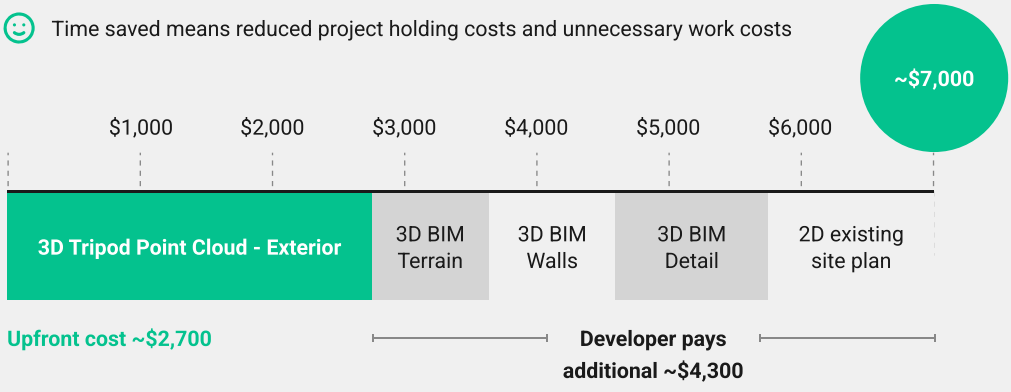
Traditional 2D survey implications

- Unnecessary multiple site measure-ups, in-person
- Unnecessary Requests For Information (RFI's) due to lack of survey detail
- Unnecessary rework due to errors
- Project delays due to existing conditions taking longer than they need to



LARKI 3D Survey saves you ~30%+

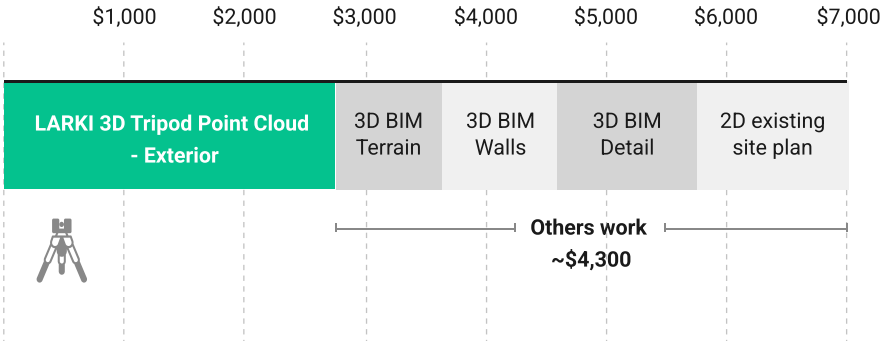
- More detailed survey can mean no more site measure-ups
- More detailed information means reduced Requests For Information (RFI's)
- More accurate information means fewer errors and reworks
- Time saved means reduced project holding costs and unnecessary work costs



~ approximate based on availability and scope for small inner city Melbourne and Sydney architecture projects. Prices excluding GST.

LARKI 3D Survey Packages

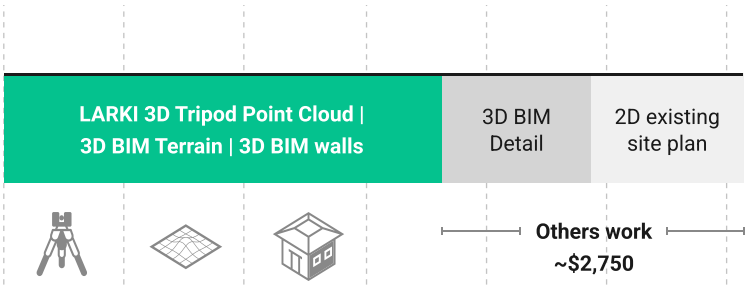
Select the Data, Services and Membership to suit your project, practice and budget.



Eg 1 - scan

~$2,700

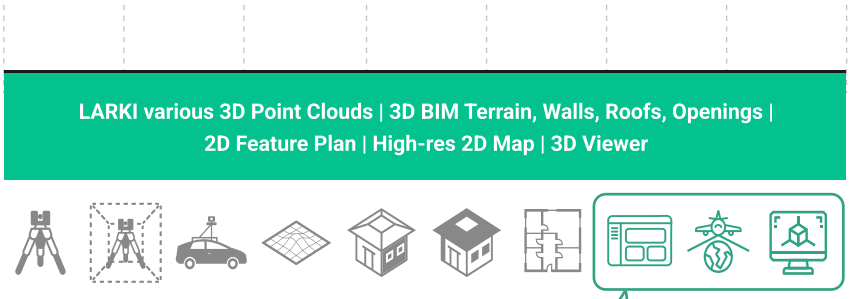
- LARKI 3D Point Clouds allow you to design with precision, without having to go to site to do measure-ups.



Eg 2 - scan, basic BIM

~$3,600

- LARKI 3D Point Clouds allow you to design with precision, without having to go to site to do measure-ups.
- LARKI can do the existing BIM for you, to further reduce errors, delays and professional indemnity liability.



Eg 3 - scan, BIM, Platform

~$7,000

- LARKI 3D Point Clouds allow you to design with precision, without having to go to site to do measure-ups.
- LARKI can do the existing BIM and 2D Feature Plan for you, to further reduce errors, delays and professional indemnity liability.
- A Membership including the FIle Manager, High-res 2D Map and 3D Viewer.

~ approximate based on availability and scope for small inner city Melbourne and Sydney architecture projects. Prices excluding GST.

Memberships for discounts & online apps

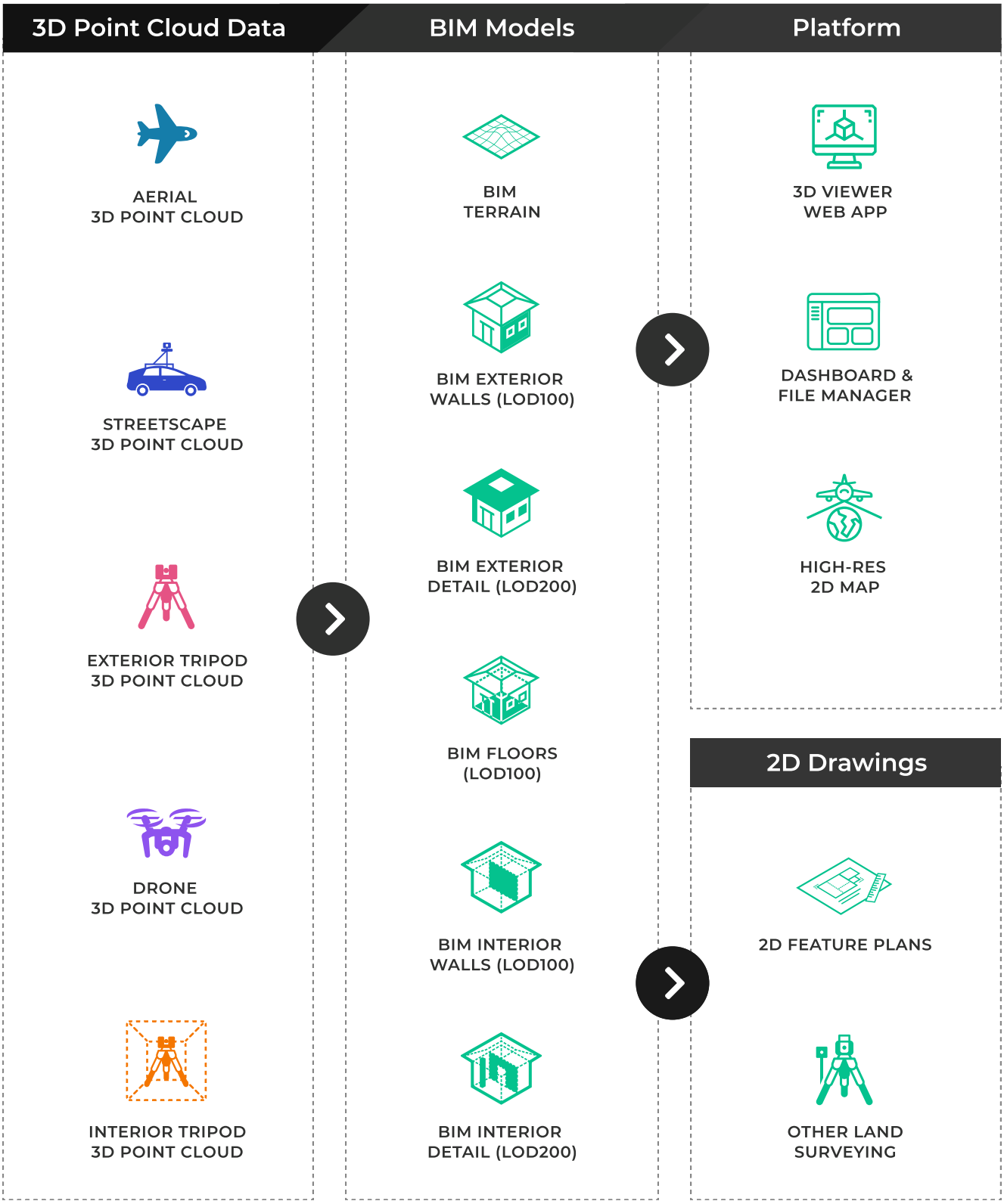
Recurring Software-as-a-Service and additional benefits.

Free	Essentials	Pro	Enterprise
For newbies or light users	For designers & managers	For surveyors & heavy users	Special & extra heavy users
2D Map/Satellite, shape tools	2D Map/Satallite, shape tools	2D Map/Satallite, shape tools	CUSTOM
Dashboard	Dashboard	Dashboard	Contact us
File Manager (50GB limit)	File Manager (100GB limit)	File Manager (200GB limit)	
10% off Point Clouds online	High-res 2D Map	High-res 2D Map	
$0	3D Viewer	3D Viewer	
	30% off Point Clouds online	30% off Point Clouds online	
	10% off Services	10% off Services	
	Premium support	Premium support	
	Annual contract, auto renews:	Segmentation Credits	
Most Popular ⟶	**$75 / month**	Deviation Assessment Credits	
	17% SAVING	360° Photos	
	(Billed yearly, prepay $900)	Leads for survey/modelling jobs	
	$90 / month	Annual contract, auto renews:	
	(Billed monthly, min total $1,080)	**$150 / month**	
		17% SAVING	
		(Billed yearly, prepay $1,800)	
		$180 / month	
		(Billed monthly, min total $2,160)	

Data and Service discounts limited to the value of annual Membership fee. Pricing excluding GST.

Scan to BIM to browser!

3D laser scanned Point Clouds converted to BIM and managed on a web app Platform.



3D Aerial Point Cloud

Approximately 900 km² for sale in the LARKI database*

PRICE

From $150 approximately.

SCOPE AREA

From 5,000m² approximately.

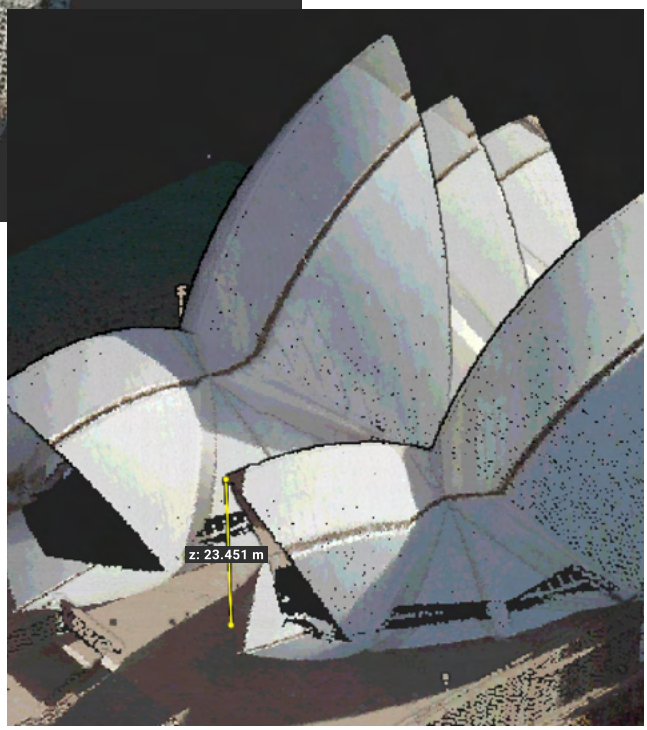
TIMING

~ 2 hours for Melbourne & Sydney metro; otherwise ~2 business days.

FORMAT

RCS/E57/LAS.

Powered by **MetroMap LiDAR**



A plane-captured 3D Point Cloud file optimised to work in your architectural design software. This is medium resolution, colourised, 3D LiDAR data. This 3D file is from a laser scanner attached to a plane flying over from time to time; an Aerial Laser Scan file (ALS). It is great for large areas such as neighbourhoods, parks, city blocks, and industrial areas that can be seen from the air above.

*Go to larki.au 2D Map page to find out if this 3D Data is available in your area (mainly inner metro Melbourne & Sydney currently).

Pricing excluding GST.

3D Streetscape Point Cloud

Approximately 600 km² for sale in the LARKI database*

PRICE

From $150 approximately.

SCOPE AREA

From 2,000m² approximately.

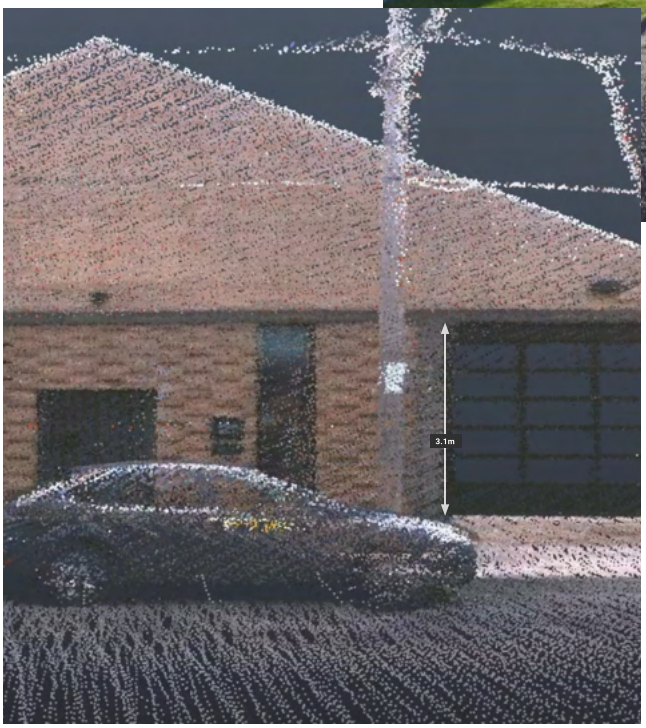
TIMING

~ 2 hours for Melbourne & Sydney metro; otherwise ~2 business days.

FORMAT

RCS/E57/LAS.

Powered by **HERE**



A car-captured 3D Point Cloud optimised to work in your architectural design software. It will show only what can be seen from a car driving down the street from time to time. The file is medium resolution, colourised, 3D LiDAR data; a Mobile Laser Scan file (MLS). This is great for streetscape features and facades facing the street, on both sides of the street, up to about 20m setback from the street.

*Go to larki.au 2D Map page to find out if this 3D Data is available in your area (mainly inner metro Melbourne & Sydney currently).

Pricing excluding GST.

3D Exterior Tripod Point Cloud

A tripod-captured 3D Point Cloud file optimised to work in your architectural design software. The survey team will be sent out to facilitate the 3D laser scan. The resultant 3D Point Cloud data will cover accessible exterior areas that are visible. The 3D Point Cloud will be high resolution (<20mm point spacing), colourised, 3D LiDAR data; a Terrestrial Laser Scan file (TLS). This is the best way for designers and project managers to fully understand the spatials of the existing conditions of the site.

PRICE

From $2,000 approximately.

SCOPE AREA

From 2,000m² approximately.

TIMING

Typically 5 business days after site access.

FORMAT

RCS/E57/LAS.

Pricing excluding GST.

3D Drone Point Cloud

PRICE

From $2,150 approximately.

SCOPE AREA

From 3,000m² approximately.

TIMING

Typically 5 business days after site access.

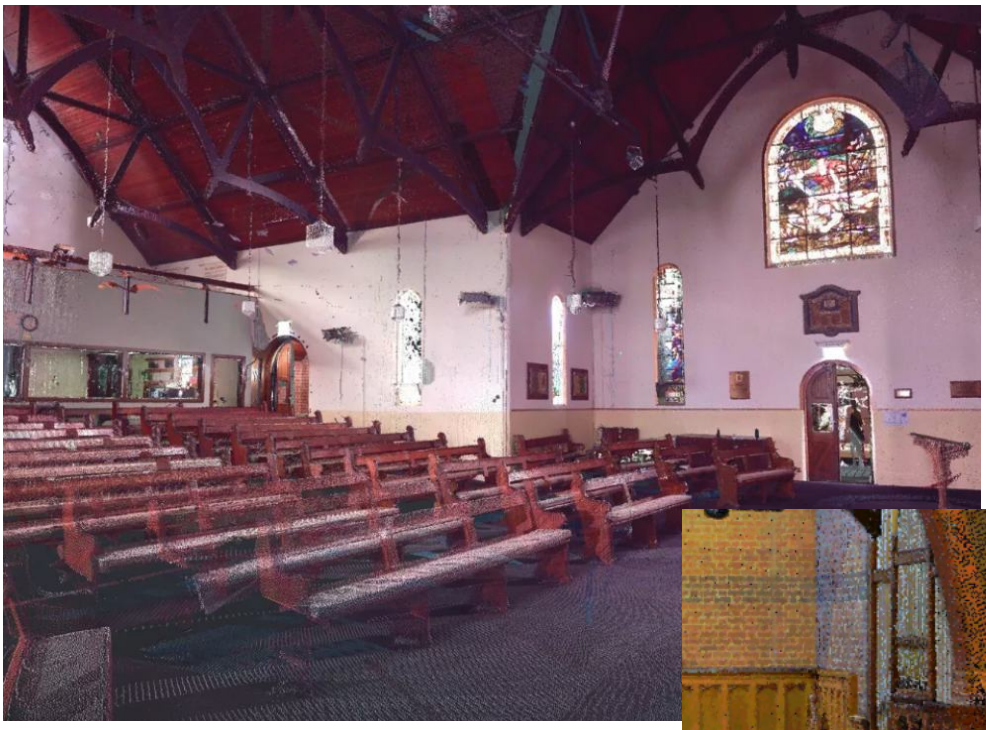
FORMAT

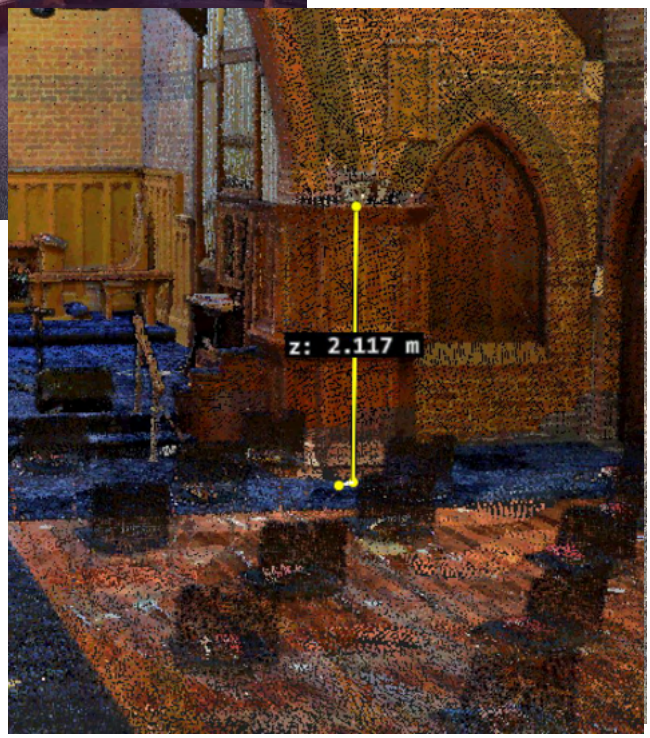
RCS/E57/LAS.

A drone-captured 3D Point Cloud file optimised to work in your architectural design software. The survey team will be sent out to facilitate the drone capture. The resulting 3D Point Cloud will cover areas that can be safely flown above. This is high resolution (<20mm point spacing), colourised, 3D LiDAR data; a Drone Laser Scan file (DLS). Great for areas that can't be captured from a tripod, such as fixtures on a roof or ground hidden behind high fences, enabling a comprehensive view of the site and surrounds.

Pricing excluding GST.

3D Interior Tripod Point Cloud





A tripod-captured 3D Point Cloud file optimised to work in your architectural design software. The survey team will be sent out to facilitate the 3D laser scan. The resultant 3D Point Cloud data will cover accessible interior areas, that are visible. The 3D Point Cloud will be high resolution (<20mm point spacing), colourised, 3D LiDAR data; a Terrestrial Laser Scan file (TLS). This is the best way for designers and project managers to fully understand the spatials of the existing conditions of the site.

PRICE

From $1,900 approximately.

SCOPE AREA

From 200m² approximately.

TIMING

Typically 5 business days after site access.

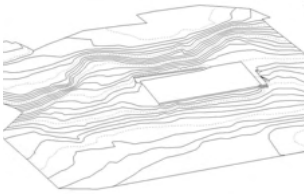
FORMAT

RCS/E57/LAS.

Pricing excluding GST.

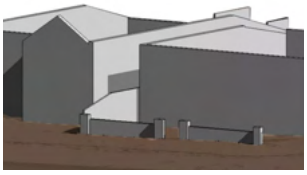
Building Information Model

Architectural model of the main features (extracted from the 3D Point Cloud data).



BIM Terrain

A best-fit model of the visible topographic surface. Generating accurate terrains that also look good in BIM and drawings can be painfully time consuming, so let us do it for you, to save you the headache.

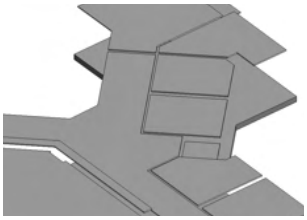


BIM Walls – Exterior

The visible exterior walls will be modelled to Level Of Development (LOD) 1. This gets you off to a good start with your existing condition modelling effort and helps you to de-risk and save time when doing for instance a planning permit application.

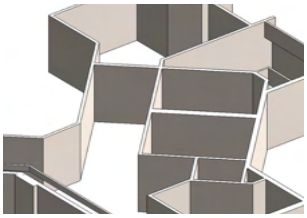
BIM Detail – Exterior

This includes visible exterior columns, roofs, windows and doors, modelled to Level Of Development (LOD) 2. With most, if not all, of your existing site and neighbouring building 3D modelling requirements covered, to save you hours/days of your time.



BIM Floors – Interior

Documenting the extent of floor plates is essential for internal planning. We do this for you based on high resolution 3D Point Clouds. And can include other elements such as stairs and ramps.



BIM Walls – Interior

The visible interior walls will be modelled to Level Of Development (LOD) 1. This gets you off to a good start with your existing condition modelling effort and helps you to de-risk and save time when, for instance planning the interior space fitout.

BIM Detail – Interior

This includes visible interior columns, ceilings, windows and doors, modelled to Level Of Development (LOD) 2. With most, if not all, of your existing interior 3D modelling requirements, to save you time so you can focus on design.

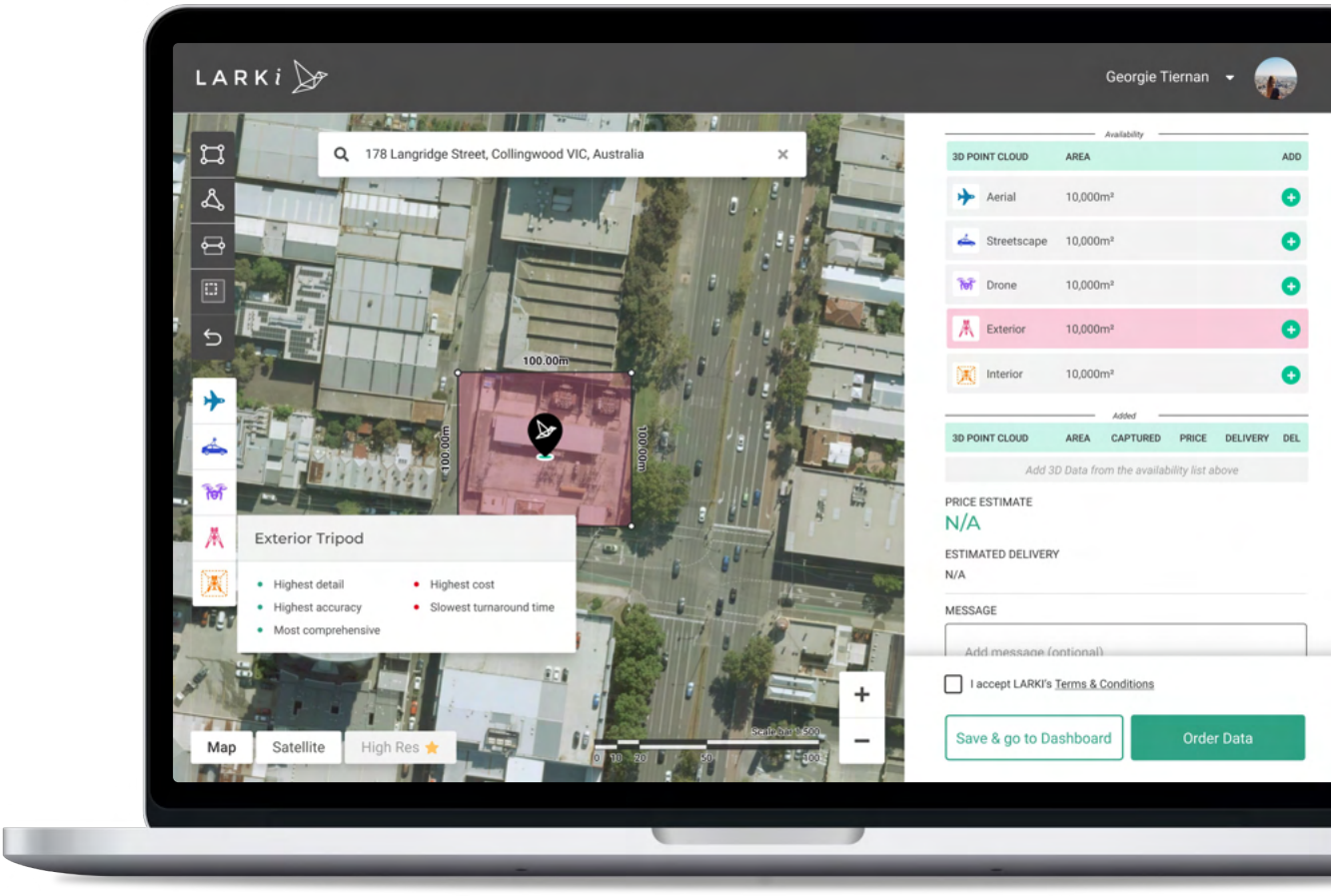
High-res 2D Map

Online access with your recurring LARKI Platform Membership.

High-resolution aerial photos on a map to facilitate length & area measurements.

Plane-captured, high currency, orthographic imagery.

Powered by **MetroMap 2D**



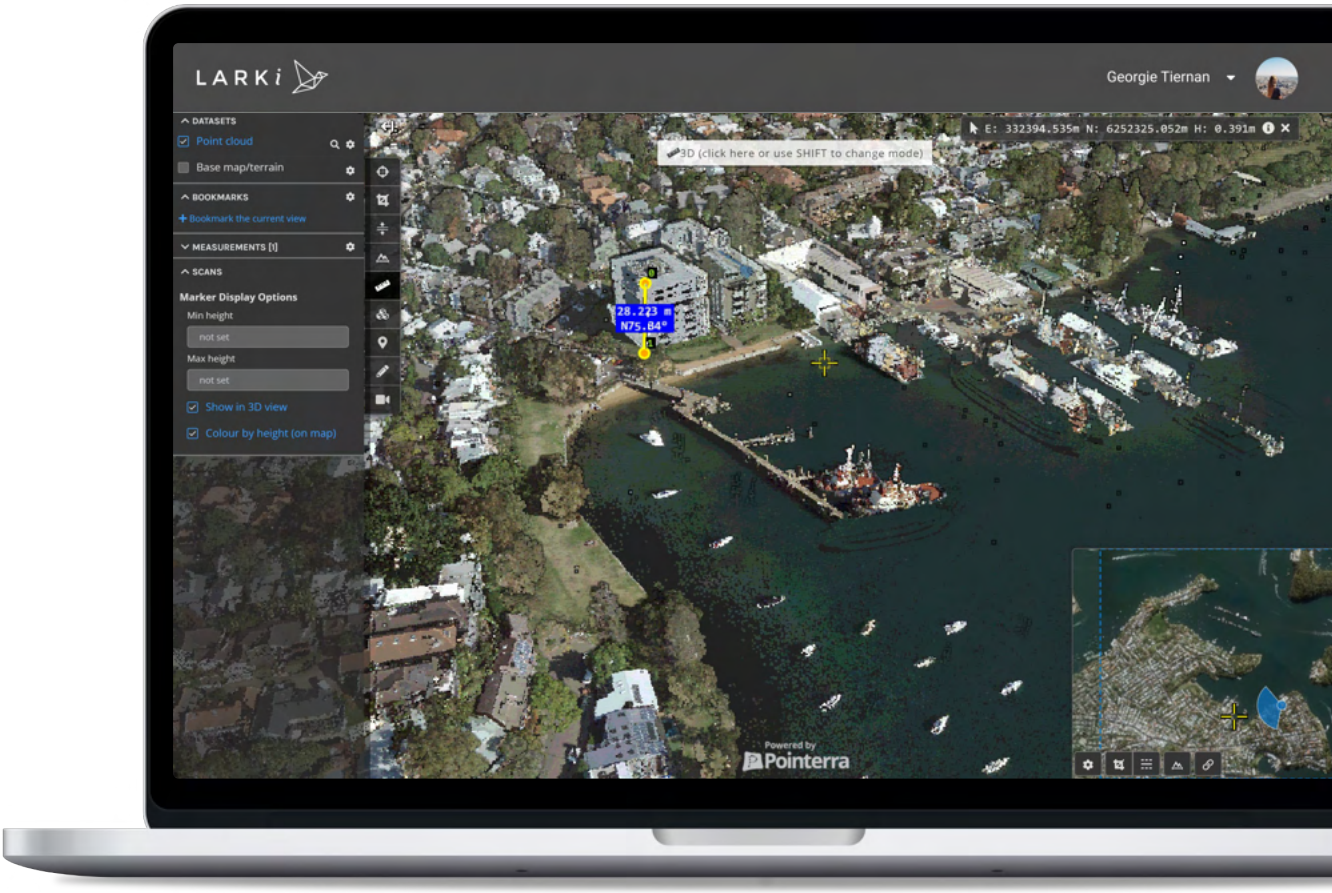
3D Viewer

Online access with your recurring LARKI Platform Membership.

Navigate & measure the 3D Point Cloud and BIM from your web browser, anytime, anywhere.

This 3D Viewer lets you crop, section, measure, annotate and get coordinates to Australian Height Datum (AHD).

Powered by **Pointerra**



LARKi

Need a survey?

Book a Solution Review meeting with:

Simon Cookes

Founder & CEO

Contact: larki.au/contact-us | solutions@larki.au | 1800 3D SCAN

How do you measure-up?

3D Surveys made easy

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