

Connected Construction

Construct Smarter – with a Digital Twin

Connect the whole construction supply chain to **one source of digital truth.**

Reduce risk, errors, inefficiency and waste.

Get powerful real time visibility as live insights – onsite.

Our Connected Construction Solution

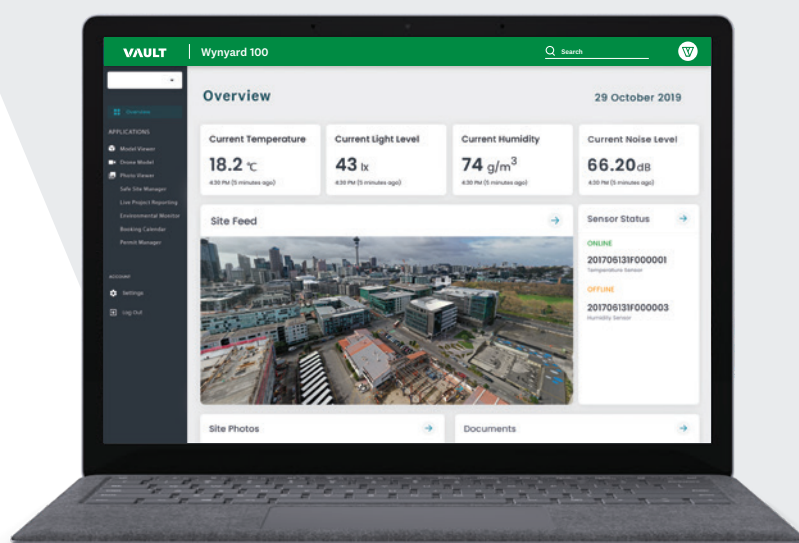
Powered by Microsoft Azure, Vault is a simple-to-use platform deployed as a digital twin of your built asset(s).

Vault aggregates data from:

- BIM (building information model)
- IoT (Internet of Things)
- Artificial intelligence (AI)-powered cameras and sensors around the site
- Other third party systems and static and dynamic sources

Benefits

Live Insights / IoT Connection /
3D Spatial Platform / Visual Performance



ENGINEERED ON:



Powered by:





Unified Platform

Enables better communication and information flows between stakeholders via a single connected information model.



End-to-End Visibility

Real-time site monitoring provides visibility into every aspect of the construction process.



Digital Transformation

Move time-consuming manual processes to the digital realm for easier access and shareability.

Case Study

PARTNERS

NZ Strong, Microsoft & Spark

SCALE

Mixed Use Development. 154 room hotel, car park, office, retail and residential spaces across 30,000sqm.



New Zealand's first Connected Construction Site

Problem

NZ Strong needed a way to manage council noise compliance on their construction site and gain greater efficiencies in construction management.

Solution

A 'smart' construction site with IoT for live insights on:



People



Plant



Environment

Results

- Halved time spent on reporting and managing regulatory requirements
- Safer construction
- Reduced costs
- Real-time decision making
- Better communication and connection of all stakeholders to ONE digital hub.

asBuilt's collaboration with Microsoft, Spark and construction company NZ Strong has resulted in the first 'connected construction site' in New Zealand. Wynyard 100 combines Intelligent Internet of Things (IoT) devices; Microsoft Azure cloud and Power BI technology; drone and 3D camera imaging; and geolocation.

A 'digital twin' of the building is hosted in asBuilt's Vault platform and is accessible to the Wynyard 100 team, from design to supply and project management.

Ready to optimize your construction projects?

→ Learn about the asBuilt Vault Connected Construction Solution by visiting asbuiltvault.com

→ Connect with the asBuilt sales team:

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About asBuilt

Established in 2012 and entrusted by major blue-chip brands, asBuilt are Digital Engineering Experts and one of the largest and most experienced, independent specialist Building Information Modelling (BIM) consultancies in Australasia. asBuilt has developed unique workflows and customised software that enables stakeholders to align and collaborate in a structured digital environment.

Our purpose: A Smarter World. Digitally.

AsBuilt are on a mission to help the construction industry digitally transform. We enable multiple streams of built data to unite – as a digital twin. Infrastructure becomes digital. It is clickable, analysable and tells a story. In this smart form it can: connect people, communicate, learn and forecast. Importantly – it can drive efficiencies, better human experience and reduce our impact on the environment.

