

Case study:

How Lendlease gained real-time site progress on their 3D model

Company Name

Lendlease

Challenge

Reducing risk of overseas supply chains with live material and shipping updates to the project's BIM model

Project Name

Wesley Place, Lonsdale Street, Melbourne, Australia

Located in the heart of Melbourne CBD, this A-grade commercial tower boasts 22 storeys. Featuring bespoke modern amenities and technologically-enabled workspaces, it lies amidst the backdrop of Wesley Place's heritage buildings – fusing the old and the new together.



Customer Bio: Lendlease

Lendlease is a globally integrated real estate and investment group, renowned for their expertise in creating city infrastructure that facilitates strong and connected communities. Being bold and innovative characterises their approach, and doing what matters defines their intent.

\$350M

Commercial Tower Project

22

Floors

Approx
4200

Materials tracked and counting

The Challenge

The Solution

During the construction of Wesley Place, Lendlease was using a 3D BIM model to track the progress of the facade installation.

This gave way to the following challenges:

- 1 The data was disconnected from the companies involved in the supply chain, requiring manual updates and reporting from manufacturers, suppliers, logistics and installers.
- 2 This created a potential risk, particularly with shipping delays in China. Lendlease needed live visibility of products on the critical path.

For Lendlease, the biggest challenge was that the 3D BIM model simply did not provide enough information and real-time updates on the overall project status.

Not only did this increase potential risks as the project progressed, but it created a general lack of transparency across all touchpoints and between sub-contractors.

“With the integration of the Matrak API into our 3D BIM model, we’ve been able to get real-time updates on the status of the project for our entire project management team on a daily basis.

It’s easy for SRG to use the Matrak platform to update statuses of each panel as they are installed, which in turn makes it even easier for us to see a 3D visual of the project status in our BIM model.”

Tom Stainforth -
Construction Manager

Lendlease required a single source of truth to maintain understanding of the project’s status as it progressed:

- It had to be simple to execute
- Not require technical resources from the Lendlease team
- Be set up in a timely manner that was within budget

SRG Global, the facade supplier for this project, recommended Matrak as a solution to Lendlease’s challenges.

Having utilised material tracking technology on over 15 projects in 2021 so far, SRG Global used Matrak to connect their fabrication facility in Shanghai with their logistic partners and installers in Australia.

This allowed them to stay across detailed information about the supply chain and ensure everything is running to schedule.

SRG Global knew first-hand how easy it was to update granular material status in the Matrak platform. As panels were being installed, the SRG site team and installers from Complex Facades simply updated the status in real-time through the Matrak mobile app.

Through Matrak’s seamless API integration, real-time data could be fed from the supply chain to the 3D BIM model that Lendlease was using.

- Total transparency across the supply chain, reducing risks like unforeseen delays
- Enabled better communication between all stakeholders
- Ensured Wesley Place would be completed on time

“The use of the Matrak API is key for us to report back to the developer, as well as increase the transparency that exists with our facade supplier - SRG. It just makes the project run more smoothly across the supply chain.”

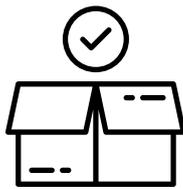
Peter McConnochie
Construction Manager

The Results

In addition to visibility across the tracking of facades for Lendlease, overall site quality was greatly improved by the real-time data provided from Matrak’s API integration into Lendlease’s 3D BIM Model.



Enable supply chain transparency



Complete thorough inspections



Everyone can easily see status updates



Efficiently tick off materials

At present, Lendlease has used Matrak to track approximately 4200 materials and counting.

Upholding their reputation as thought-leaders in the construction industry, Lendlease continues to push the boundaries by implementing a 5D BIM model on this project.

With the help of Matrak, Lendlease can analyse valuable data being fed from the global supply chain, all the way through to the BIM model, in partnership with their BIM tooling providers.

Currently, Lendlease is exploring how to use materials tracking and the Matrak API on future projects.



One platform to get the job done.

Book a demo today and see how you can create end-to-end supply chain visibility for you and your team.

Let's chat