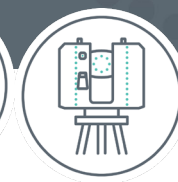


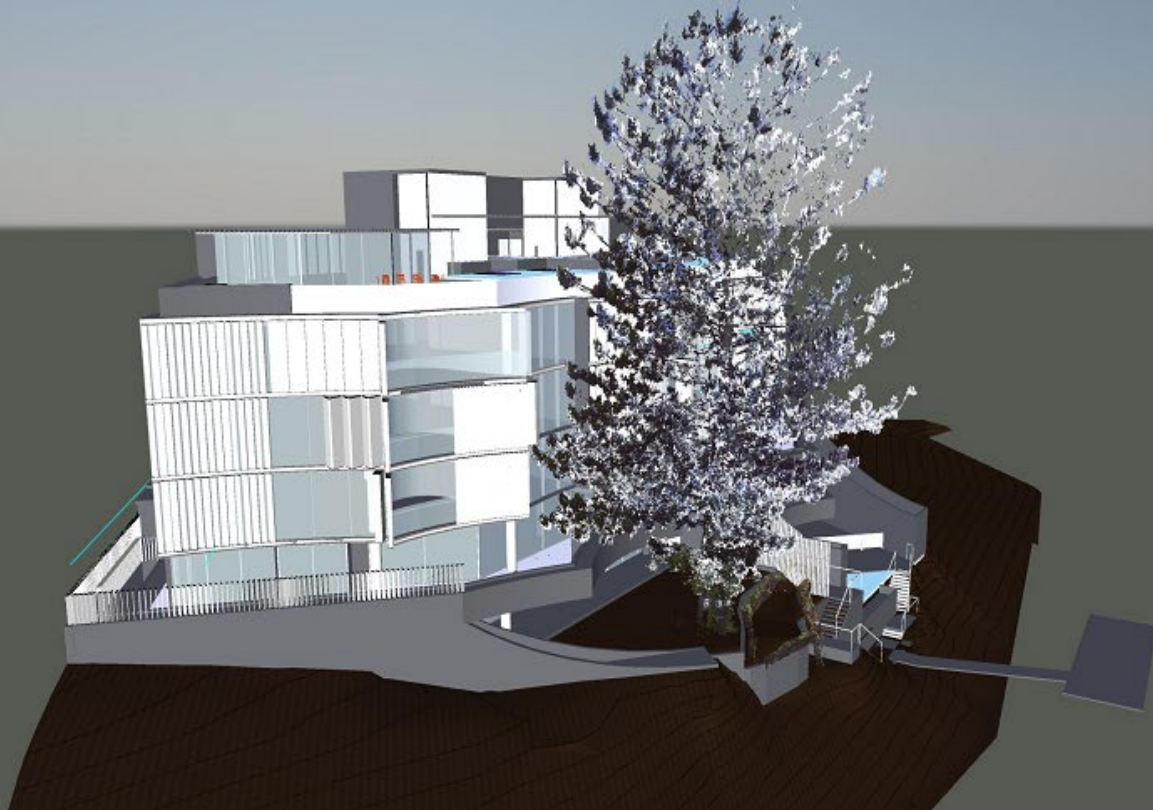


BRISBANE

CONSTRUCTION
MODELLING

LASER SCANNING

Dunn Moran Landscape Architects UNIT DEVELOPMENT APPLICATION

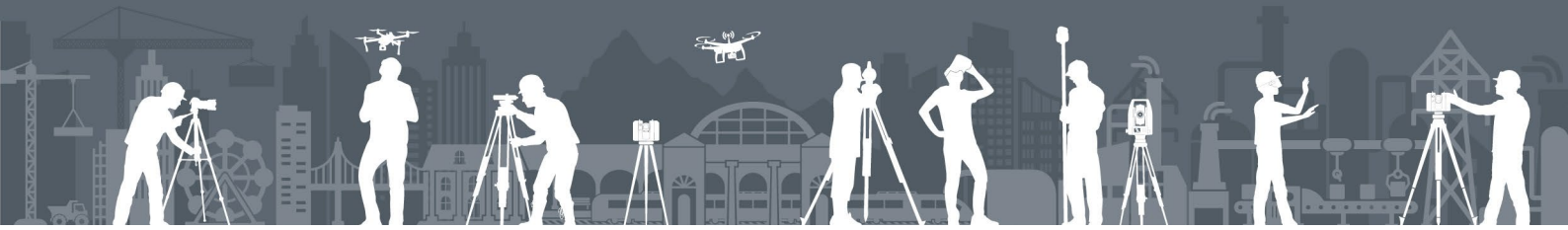


PROJECT SUMMARY

Location: New Farm Brisbane

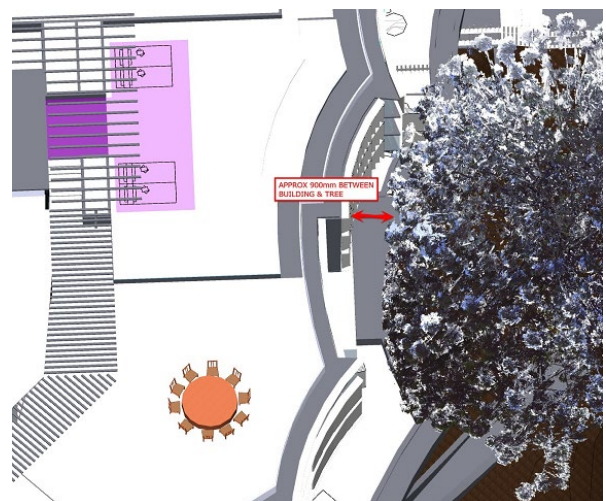
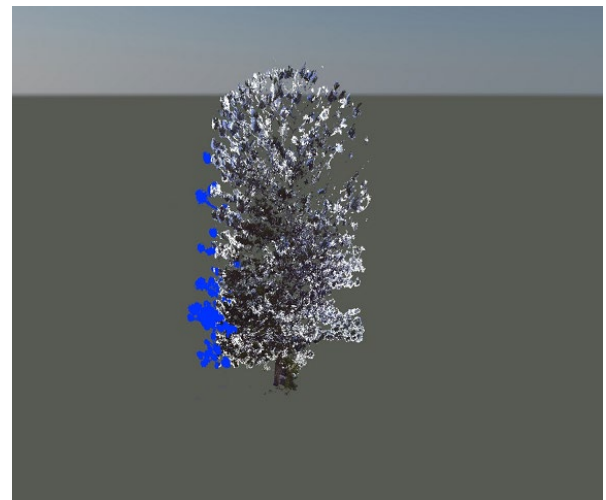
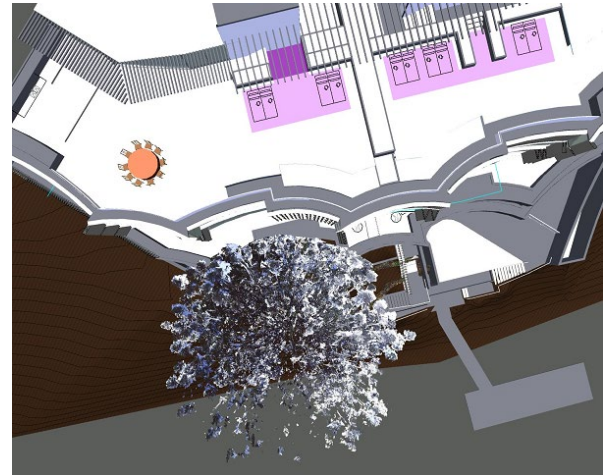
Services: 3D Laser Scanning, Construction Modelling

The client was having difficulty in obtaining council approval, because of a protected pine tree that was located on a proposed unit development site. To get council approval the client needed to demonstrate the impact that the unit development would have on the protected tree.



PROJECT CHALLENGES

- Access was difficult due to the sloping site on the edge of the Brisbane River.
- Exact measurements of the tree was difficult due to factors such as wind, shape and height of the tree.
- The client required a significant number of technical drawings and reports to allow for council approval to proceed.
- To communicate and prove to council which parts of the tree canopy were going to be trimmed and provide reassurance that the tree was not going to be adversely affected during construction of the unit development.



OUR SOLUTION

Using 3D Laser Scanning technology, we identified the exact parts of the tree canopy that needed to be trimmed to comply with council regulations.

By creating a point cloud 3D model, the developer's building structure was inserted into the existing environment to visualise its position relative to the tree.

The reports and information provided allowed the council to approve the unit development application.

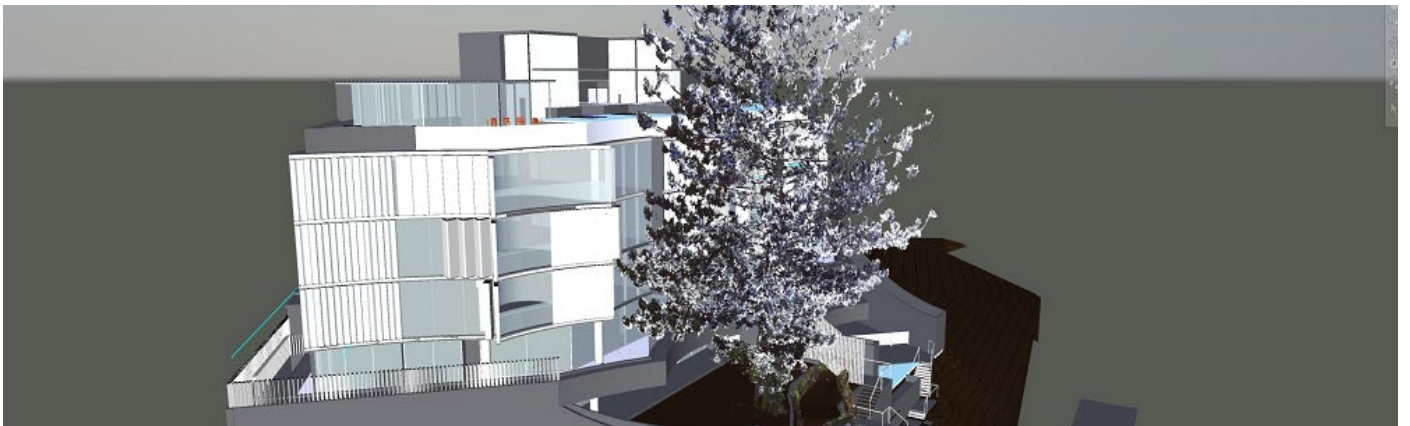


PROJECT OUTCOMES

We were able to analyse the data and provide the necessary drawings and reports to prove the tree would be sustained if the urban development went ahead.

Using 3D Laser Scanning and Construction Modelling we helped Dunn Moran Landscape Architects to get the development application approved.

3D Laser scanning also allowed our client to see detailed and accurate measurements of the tree before trimming, reducing the approval times and migrating the risk of the tree being affected by the unit development.



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SCAN ME

