



Mapped Out - 2021

Big changes
Big developments



**A LOT HAS HAPPENED SINCE
WE LAST MET**

Business

Aerometrex has made a triumphant start to life on the ASX

Investors lucky enough to get shares in Adelaide company Aerometrex will be popping the champagne corks today.

Cameron England Business Editor

[@CameronEngla](#)

1 comments

**FIRST FULL YEAR
ON THE ASX**





**A BIGGER
WORKFORCE**



TWO NEW PLANES

**OUR 3D OFFERING HAS
GROWN ENORMOUSLY**

An aerial photograph of a city street grid with 3D architectural models overlaid on various buildings and structures. The models are rendered in shades of grey and brown, showing the complex geometry of skyscrapers and industrial buildings. A blue river or canal runs along the left side of the image. The overall scene is semi-transparent, allowing the underlying aerial map to be seen through the 3D models.

**CREATED 3D MODELS
FOR DIGITAL TWINS IN**



Search for locations

Explore map data

Upload

DATA SETS (2) Remove All Collapse All

Parramatta - Feb 2019

IDEAL ZOOM

ABOUT DATA

Shadows:

None

Sydney West - SOUTH

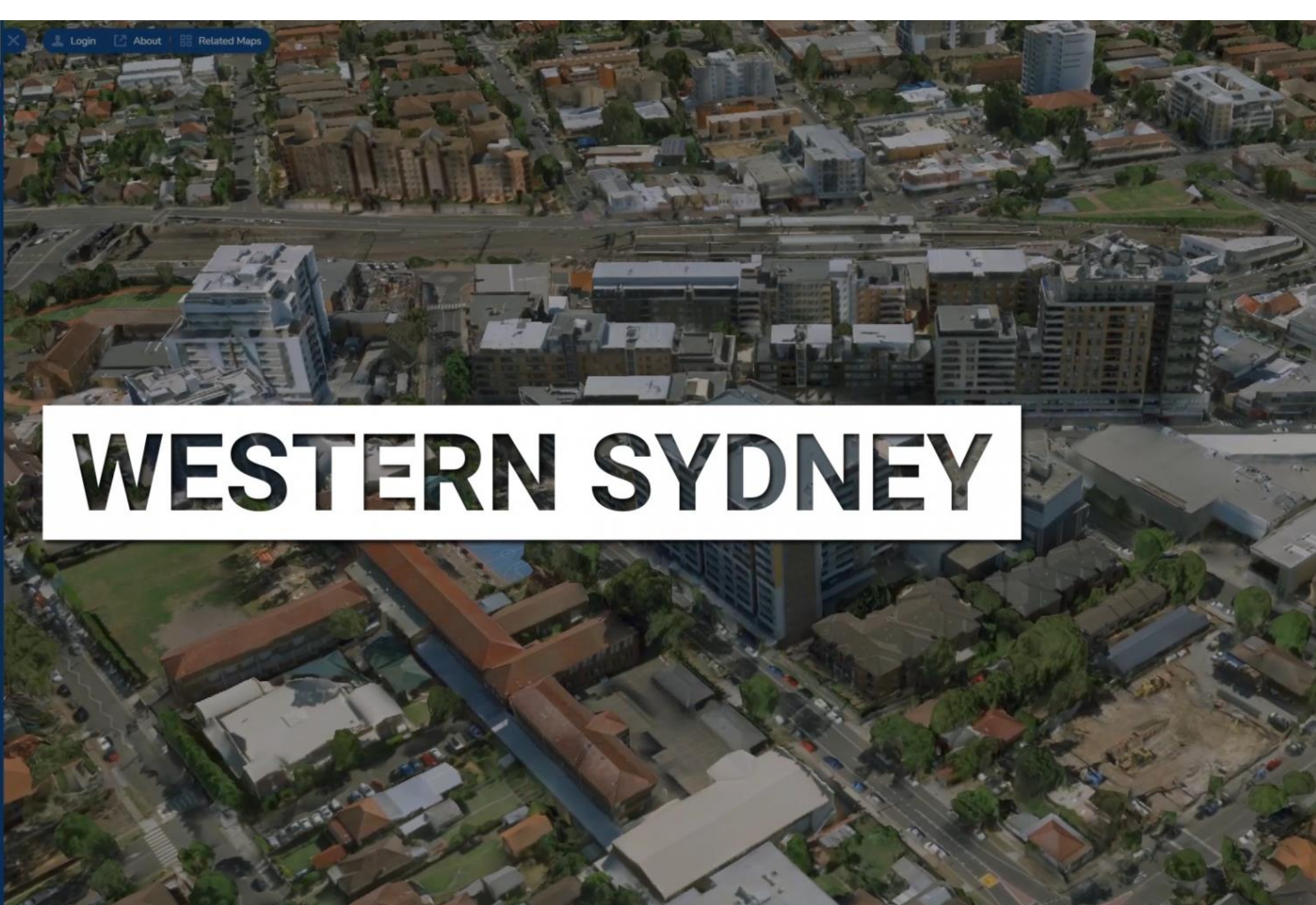
IDEAL ZOOM

ABOUT DATA

Shadows:

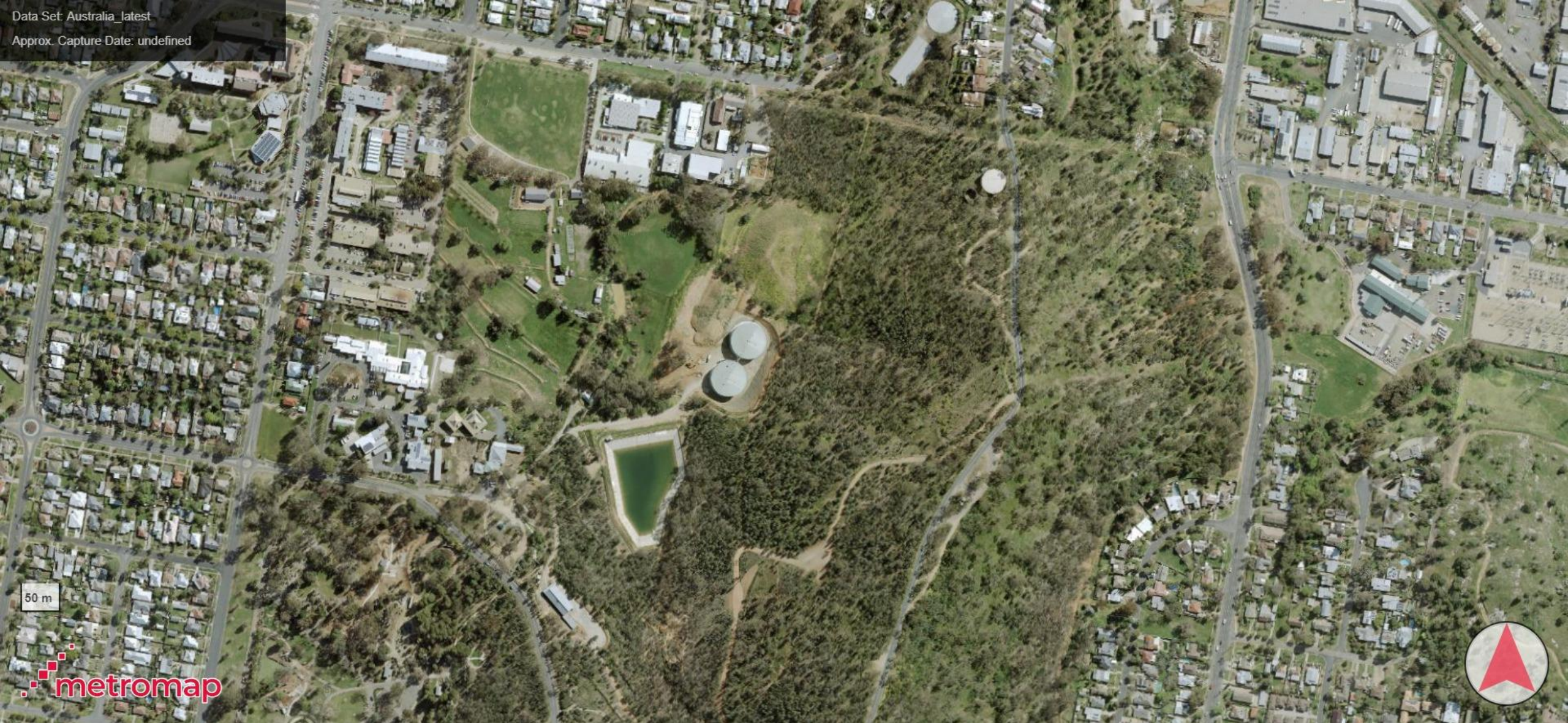
None

WESTERN SYDNEY

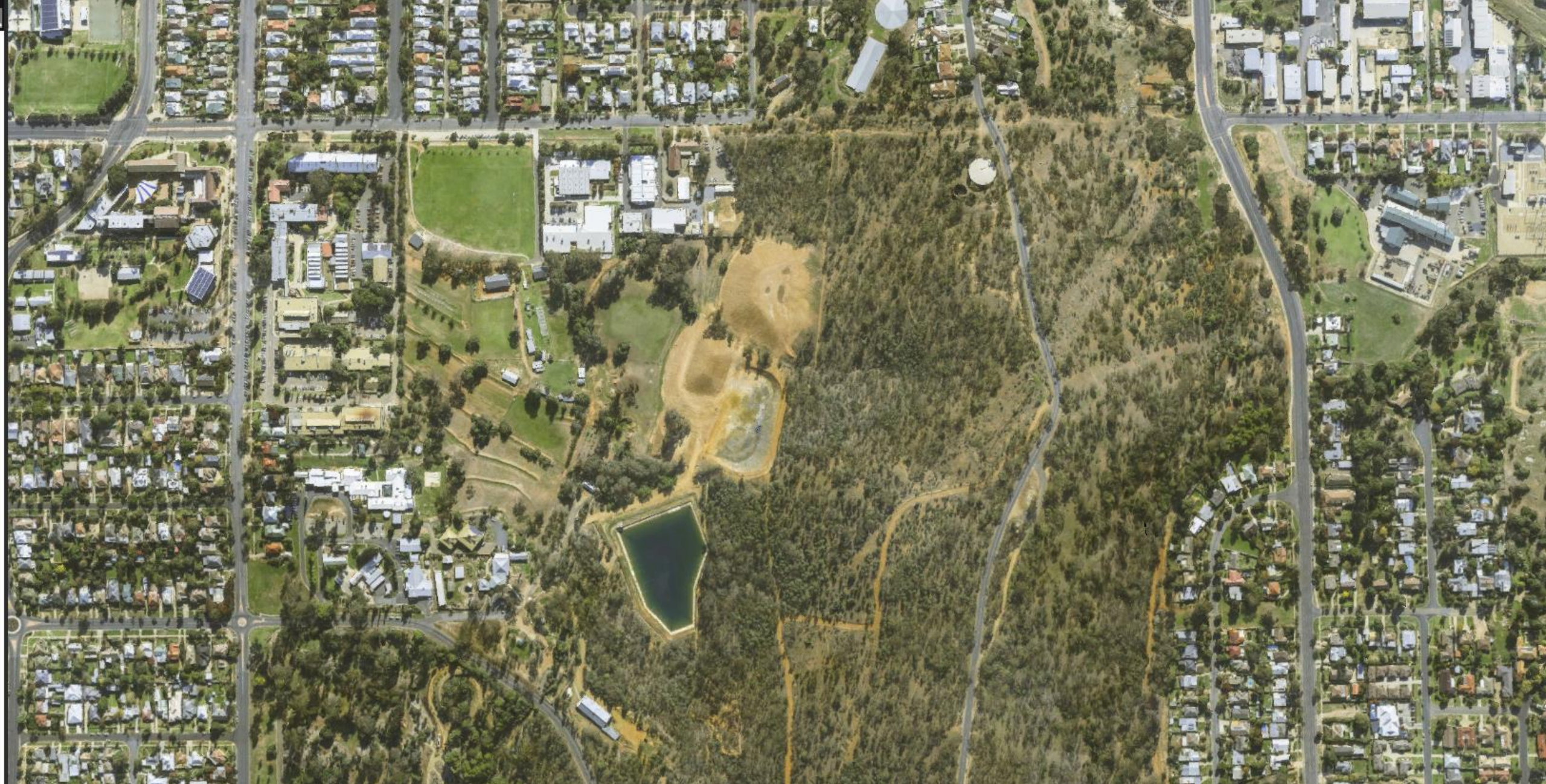


An aerial photograph of the Wagga Wagga region in Australia, showing a grid of agricultural fields and a winding river. A semi-transparent grey rectangle highlights a central area. A white rectangular box is superimposed over the center of the map, containing the text 'WAGGA WAGGA' in bold black letters. The map is tilted slightly to the right and is set against a blurred green background.

WAGGA WAGGA



Wagga Wagga 2D @ 7.5cm – September 2020



Wagga Wagga 3D top down @ 7.5cm – April 2019



Wagga Wagga 3D oblique @ 7.5cm – April 2019



WAGGA WAGGA 3D MODEL
MAY 2019
NEW SOUTH WALES





THE URBAN ENVIRONMENTAL CRISIS

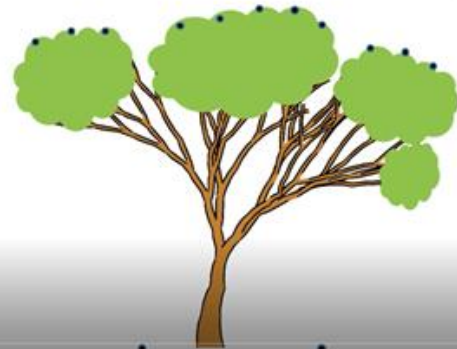




WHAT IS LiDAR?



An airborne sensor fires multiple laser pulses to the ground and measures the time it takes for the light to bounce back

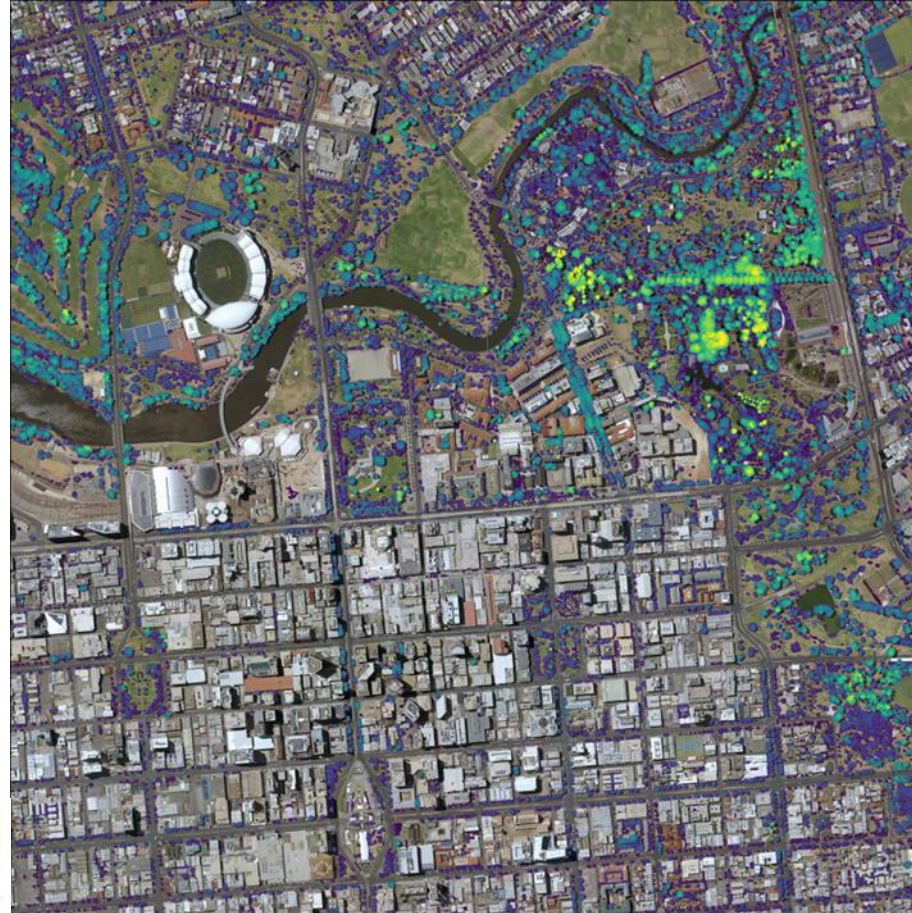


WORK INTO



CANOPY HEIGHT MODEL

- Precise height above ground
- Clear visualisation of height of trees
- Locate significant trees
- Monitor growth



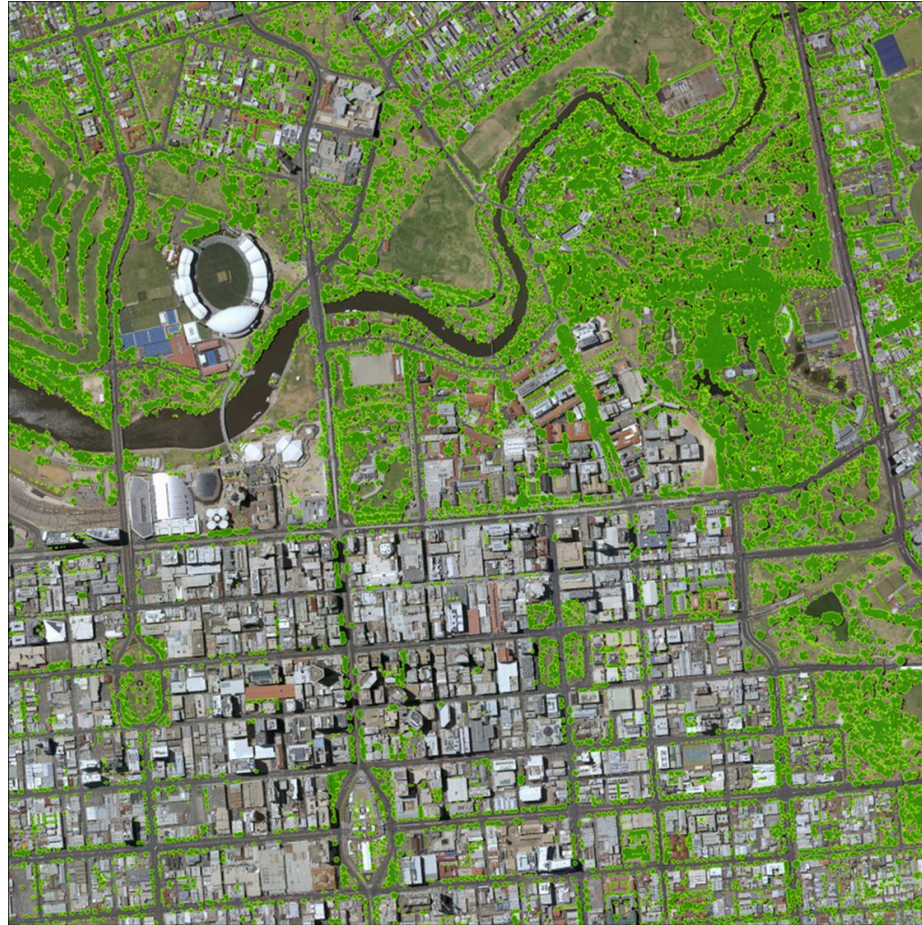
Low

High



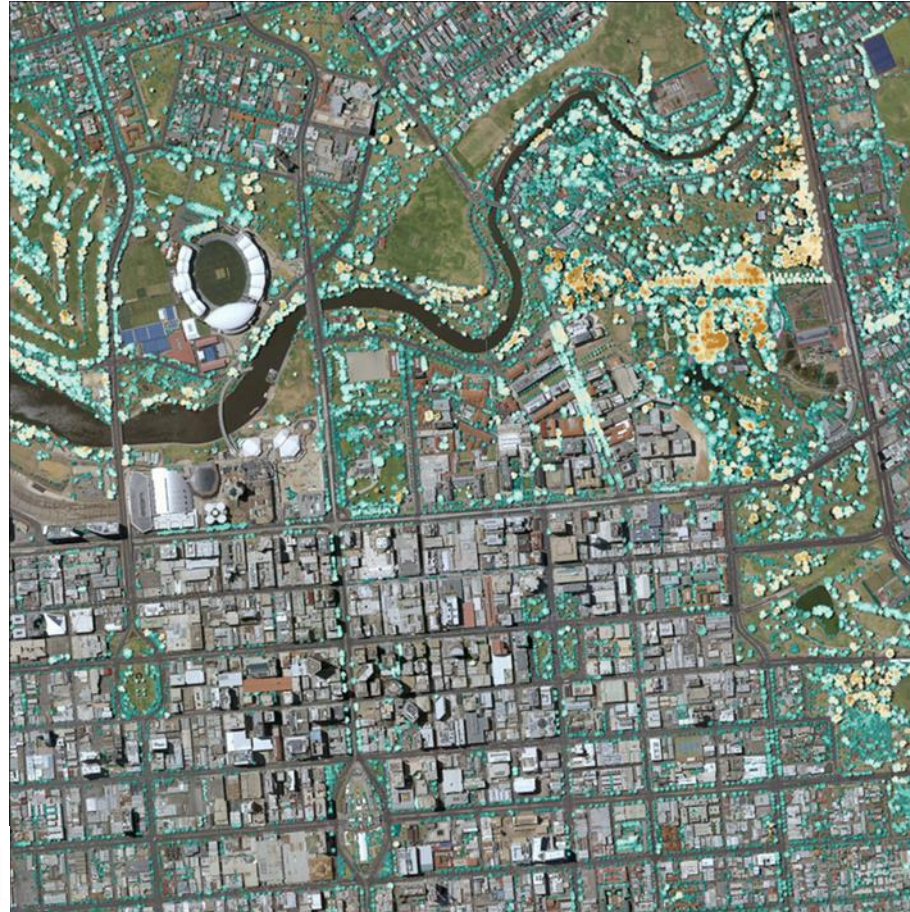
CANOPY COVERAGE MAP

- Precise boundary of canopy
- Calculate precise % of cover
- Combine with other data sets
- Develop management policies
- Reach greening targets



CANOPY STRATIFICATION MAP

- Cover across defined height above ground
- Vertical structure information
- Guide tree asset management
- Develop tailored environmental policies





CANOPY COVERAGE BY UNIT AREA

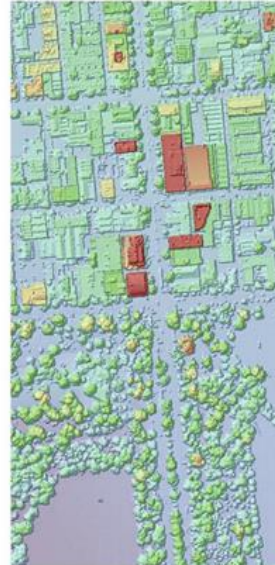
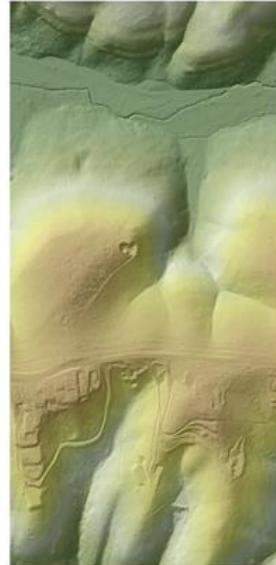
- Accurate
- Subjective
- Formulate tree planting initiatives



BEYOND URBAN FOREST MANAGEMENT

3d model of entire environment

- Vegetation
- Individual building attributes
- Accurate DTM
- **Simple and**
- **Repeatable**



An aerial 3D map showing a landscape with various vegetation types and structures. The terrain is colored in shades of blue, green, and yellow, representing different fuel load levels. Several buildings with red roofs are visible, along with utility poles and power lines. The map is presented as a cutaway view of a physical model.

BUSHFIRE FUEL LOAD MAPPING



THANK YOU