

UAV+ VSP Solutions

AI-powered system solutions, combines drone (UAV) and ground surveillance (VSP) video to monitor, analyse, and respond to real-world environments in real time.



Level 5-40m Pole Tip 40000

Level 4-Tree 1 32878

Level 2-Tree 2 30000

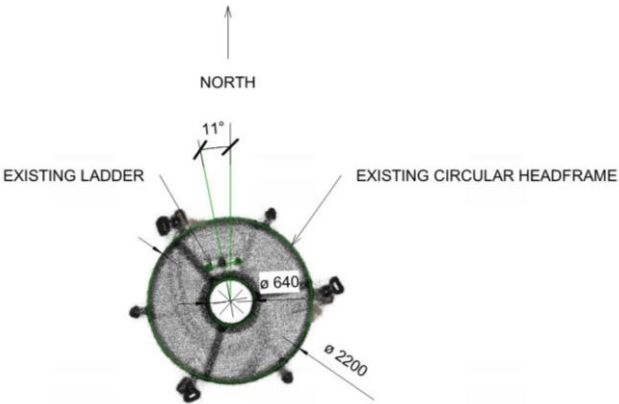
Level 1-Pole Base 0

The screenshot displays the 'Volume calculation' tool interface. The main window shows a 3D visualization of a building's volume, rendered in a color gradient from blue (low) to red (high). The volume is a rectangular prism with a central core and a surrounding shell. To the right of the visualization is a vertical color scale bar labeled 'Relative height' with a range from -3.718 to 3.718. The scale bar has tick marks at intervals of 0.636, with labels at -3.718, -2.780, -1.859, -1.294, -0.529, 0.000, 0.968, 1.362, 1.816, 2.262, 2.767, 3.240, and 3.718. The color gradient transitions from blue at the bottom to red at the top.

The interface includes several input fields and buttons:

- Volume calculation** (Title bar)
- Grid / Before** (Tab)
- Source**: Carlingford-Real - Cloud
- Empty cells**: interpolate
- Resolution**: 0.000000
- Grid / After** (Tab)
- Source**: Carlingford-Real - Cloud
- Empty cells**: interpolate
- Resolution**: 0.000000
- Grid** (Section header)
- step**: 0.250000
- size**: 77 x 178
- projection dr.**: Z
- cell height**: average height
- Update** button
- Results** (Section header)
- Volume**: 461,293
- Surface**: 674,125
- Added volume**: (+135,462)
- Removed volume**: (-396,744)
- Matching cells**: 97.3%
- Non-matching cells**:
 - ground = 0.7%
 - air = 2.3%
- Average neighbors per cell**: 7.9 / 8.0
- Copy to clipboard** button
- Export grid as a cloud** button
- Num. precision**: 3
- OK** and **Cancel** buttons at the bottom.

Comprehensive Site Survey



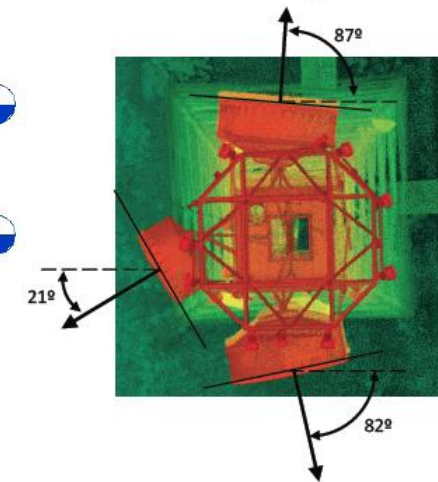
Level 3
10240

Level 2
6840

Level 1
2600

Ground
0

Antenna Pointing Direction

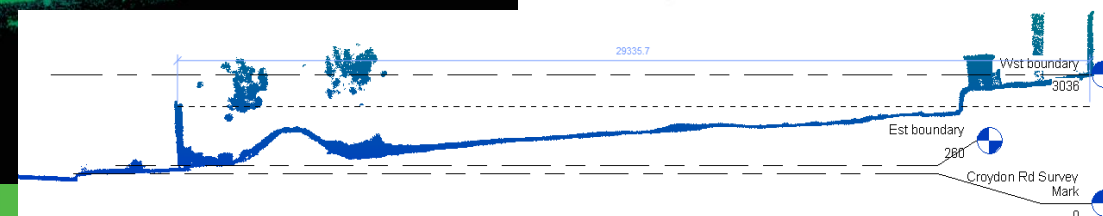
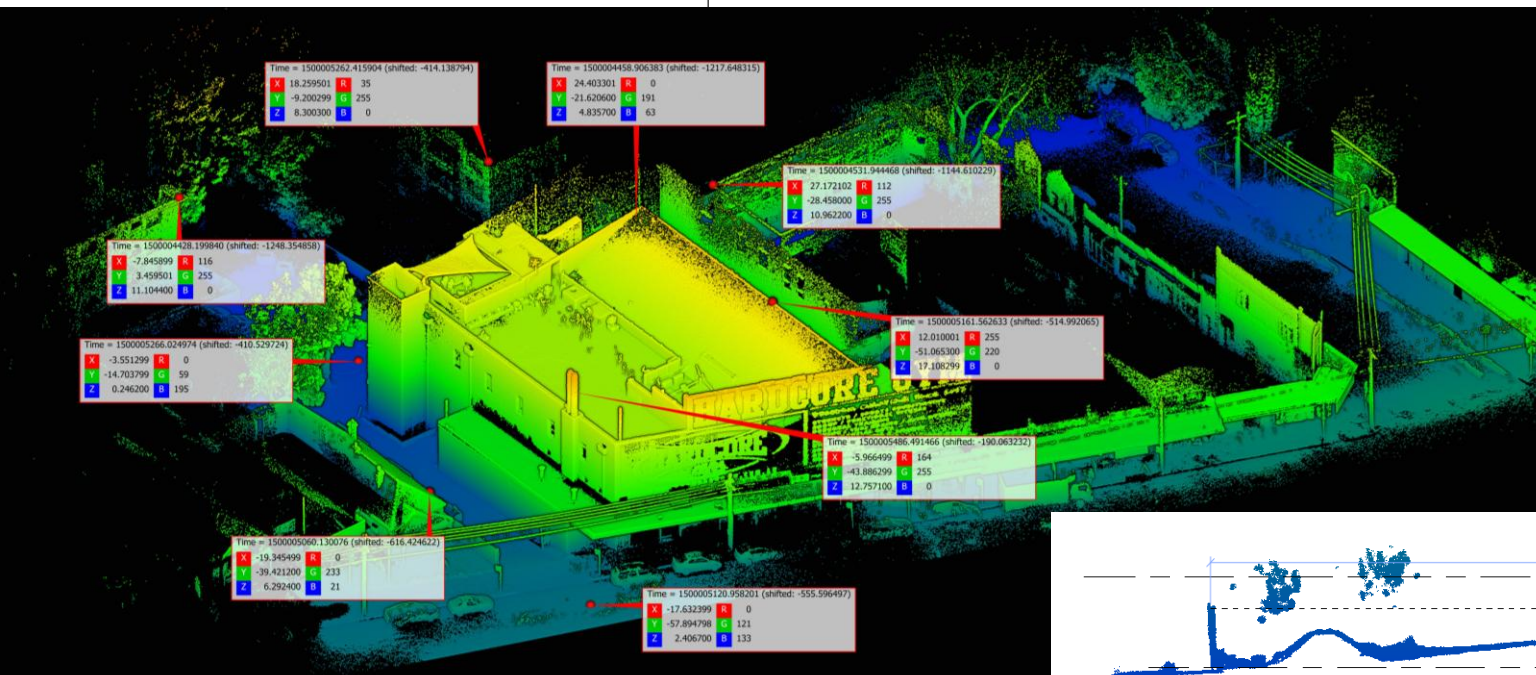
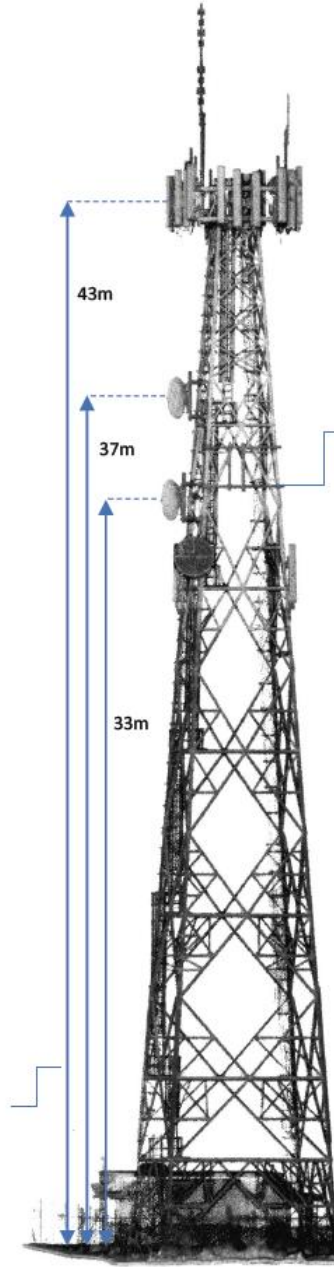


43m

37m

33m

Antenna height above ground



■ Facility Inspection

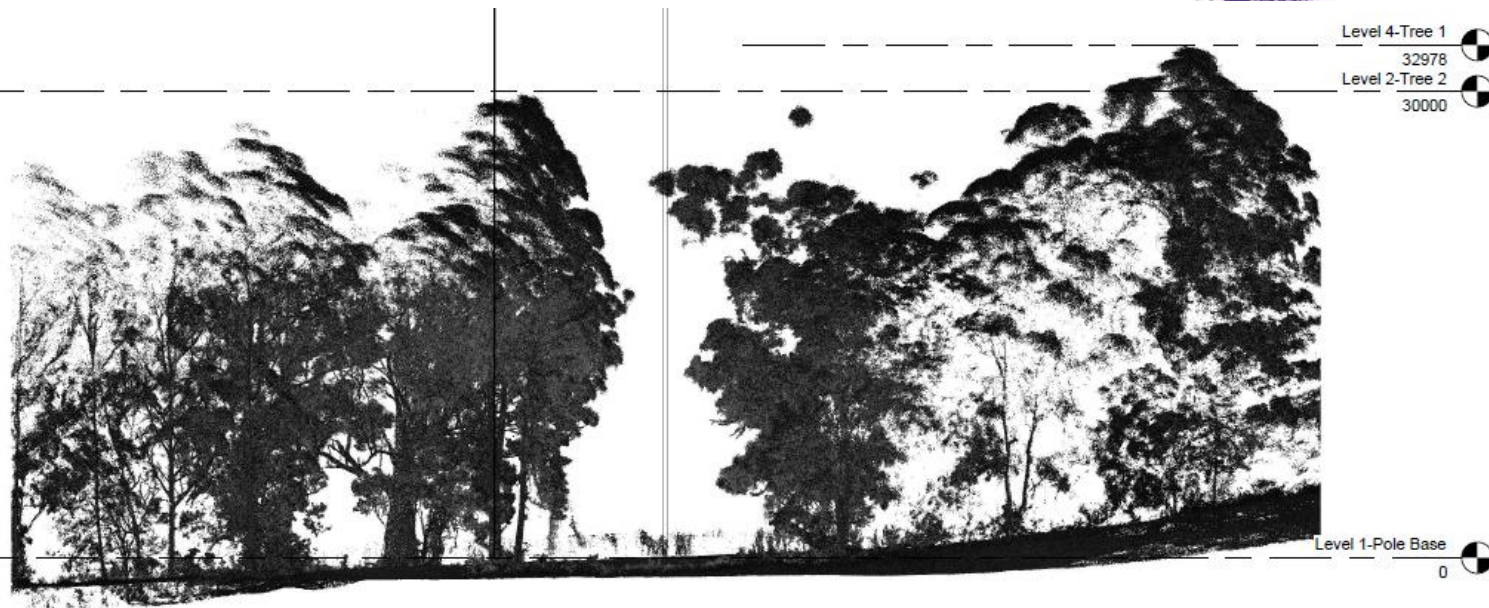
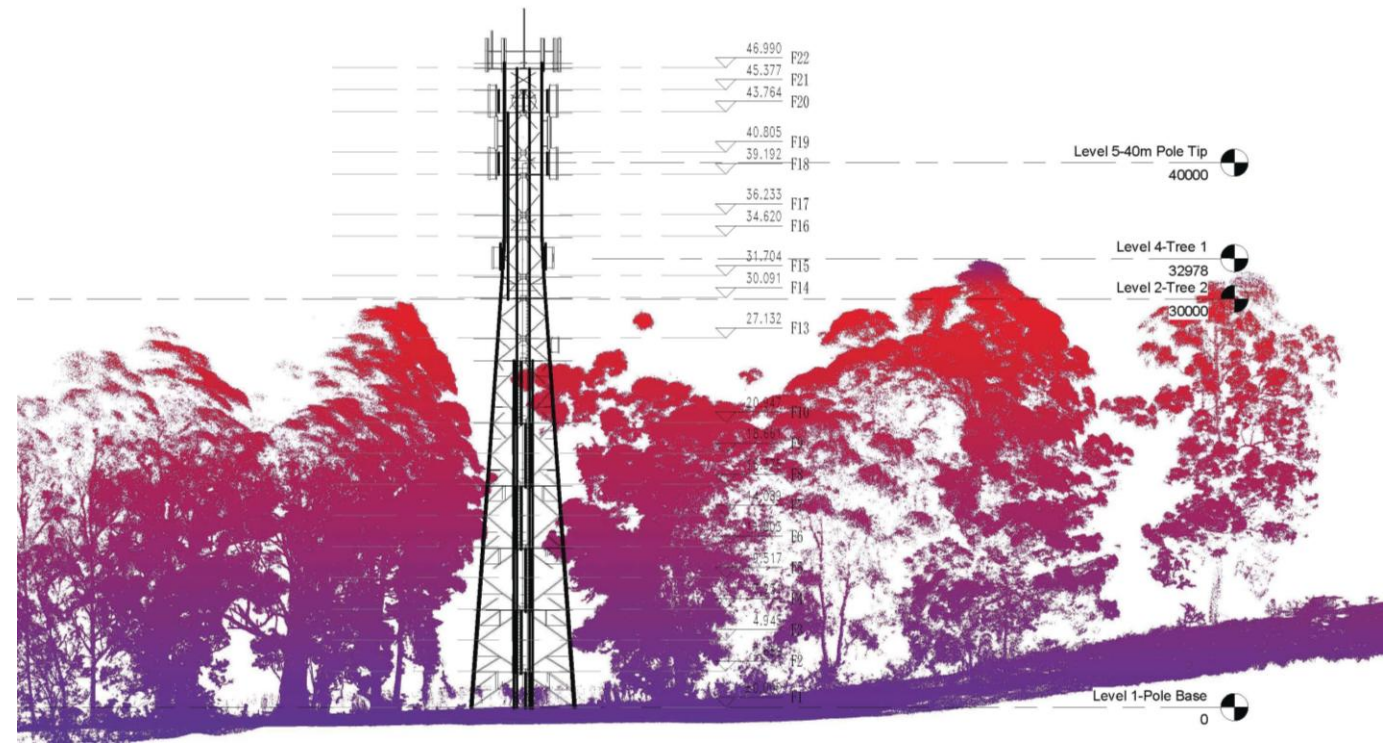


■ Line of Sight

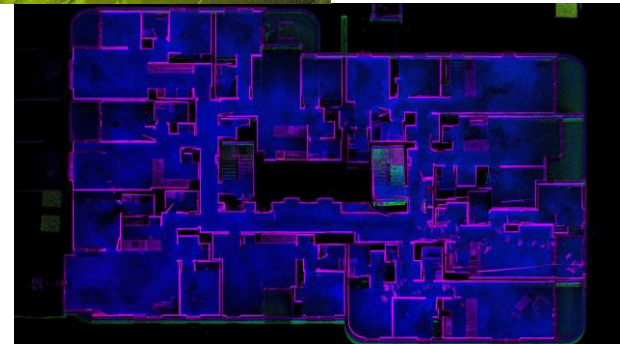
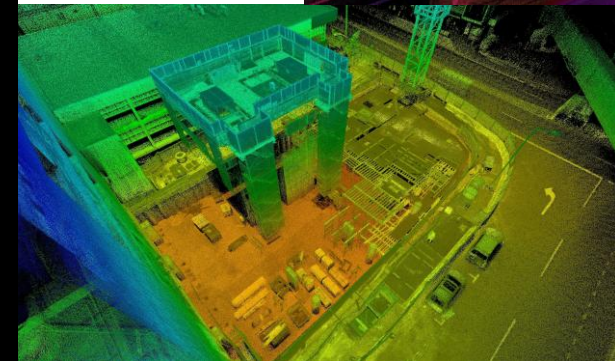
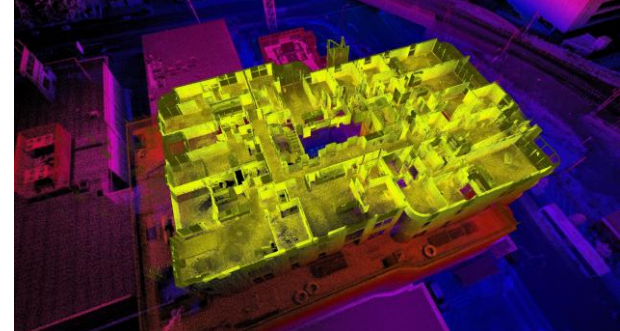
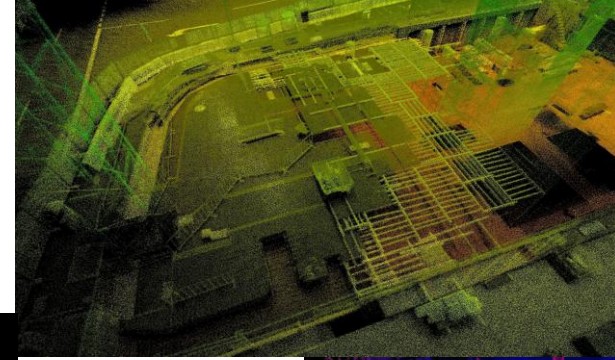
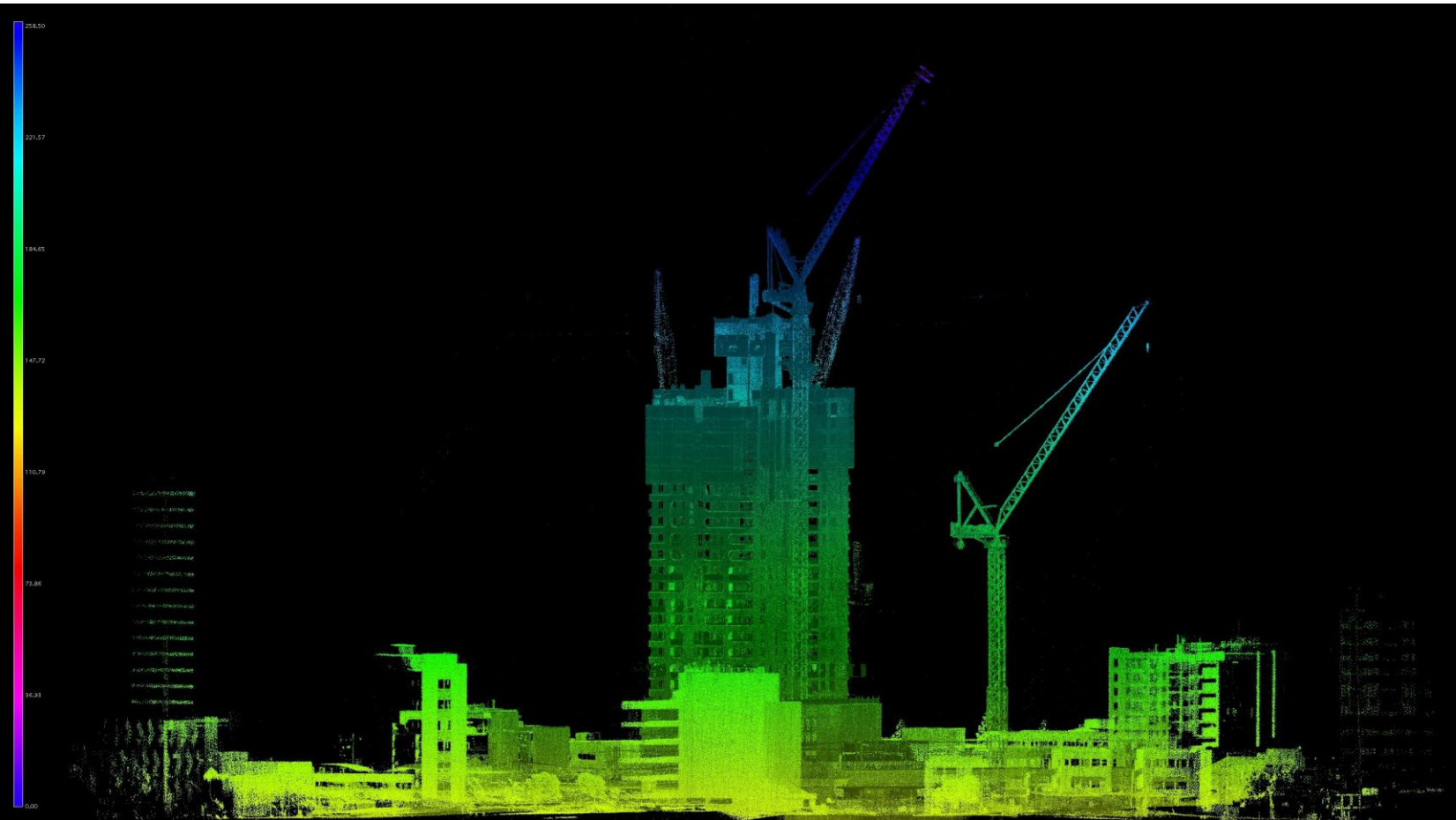


■ Panorama For Greenfield

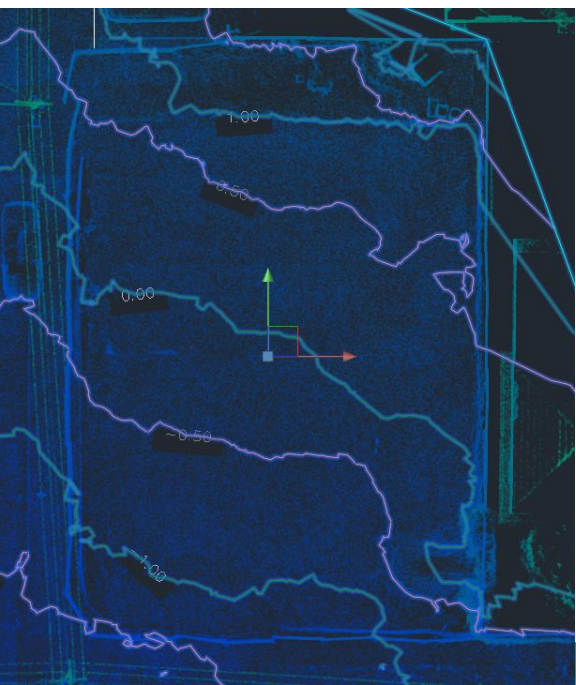
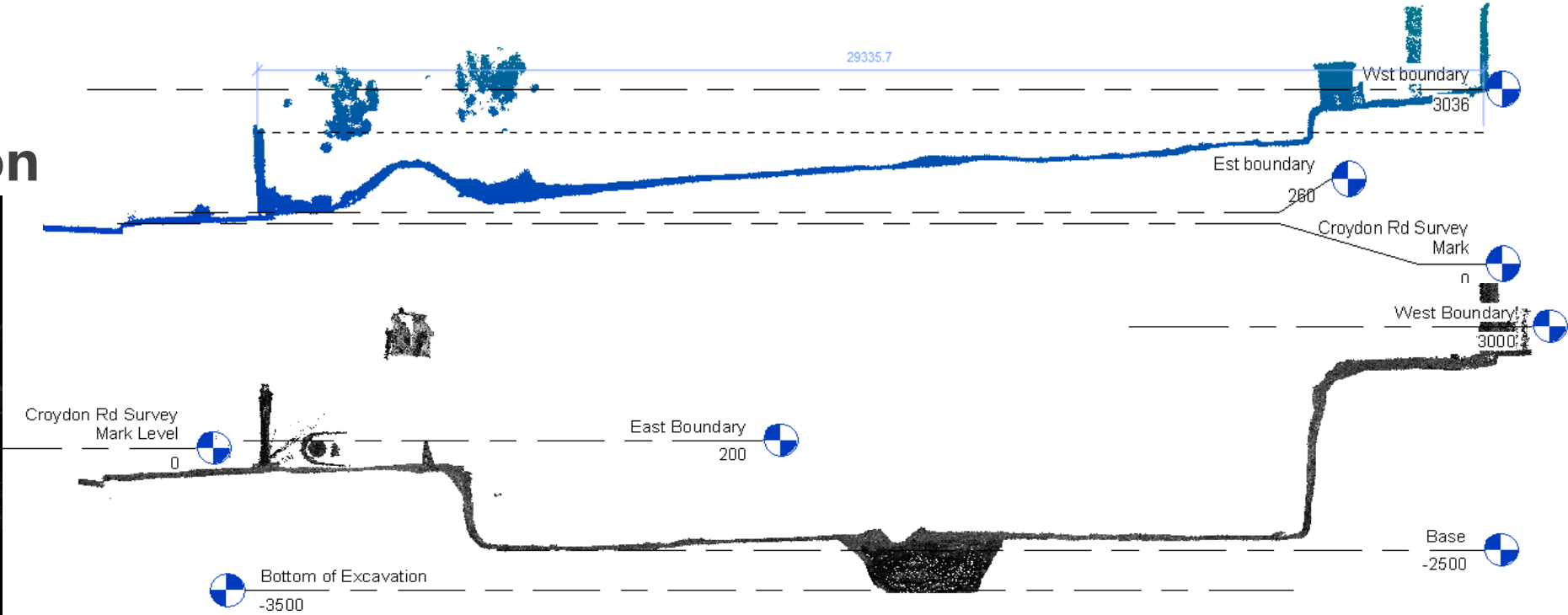
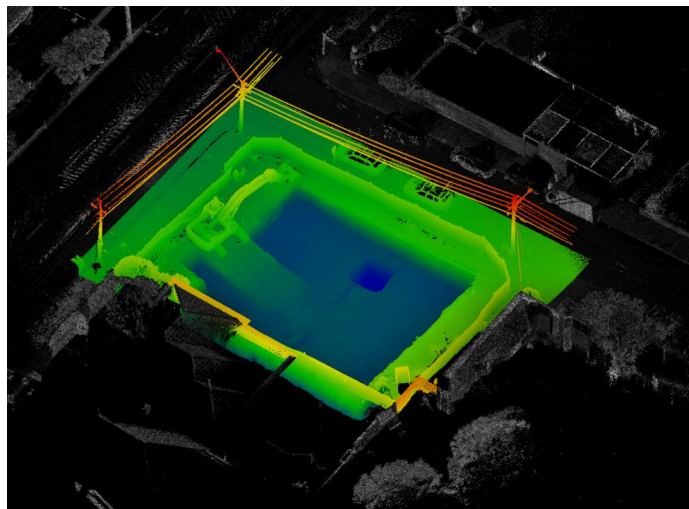
Greenfield for Design



Construction Management



Site Profile and Volume Estimation



Volume calculation

Ground / Before

Source:

Empty cells: 0.000000

Cell / After

Source:

Empty cells: 0.000000

Grid

step: Edit grid

size: 102 x 121

projection dir:

cell height:

Update

Results

Volume: -1,030.332

Surface: 671.500

Added volume: (+)111.223

Removed volume: (-)141.555

Matching cells: 87.1%

Non-matching cells:

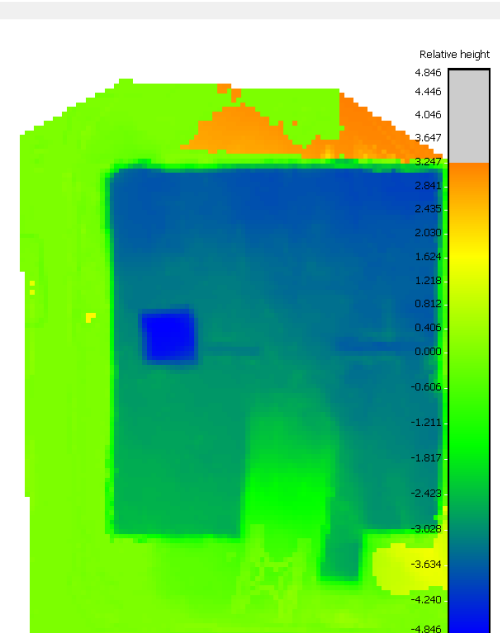
- ground = 12.9%
- cell = 0.0%

Average neighbors per cell: 7.9 / 8.0

Copy to clipboard

Export grid as a cloud

Num. precision:



■ Pointcloud into StreetView

