

## AERIAL SURVEY PRODUCTS

Albany Mapping & Surveying Services use Professional Grade Unmanned Aerial Vehicles (UAVs or drones) controlled by CASA licensed pilots to capture high resolution aerial imagery. Combined with high accuracy ground survey control, the imagery is processed to generate survey grade accurate 3D data.

### High Resolution Ortho-rectified Aerial Photo Mosaics

Ortho-photos are invaluable for mapping, construction, design and audit projects and can be supplied in your preferred format for use in CAD or GIS applications.



### 3D Photo-realistic Online Models

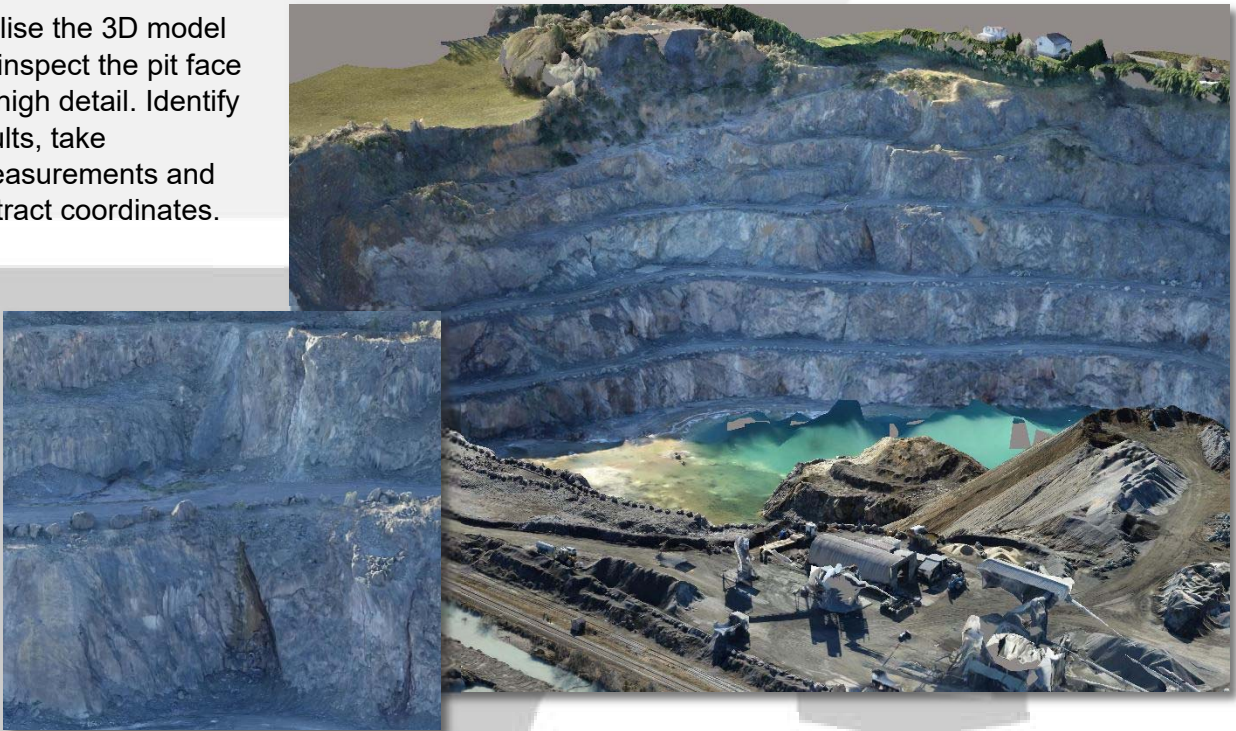
3D models are exceptional tools for visualising sites, making measurements of distance or height, and obtaining coordinates, and are particularly useful for remote staff or customers who can access the model on any device including tablets and mobile phones



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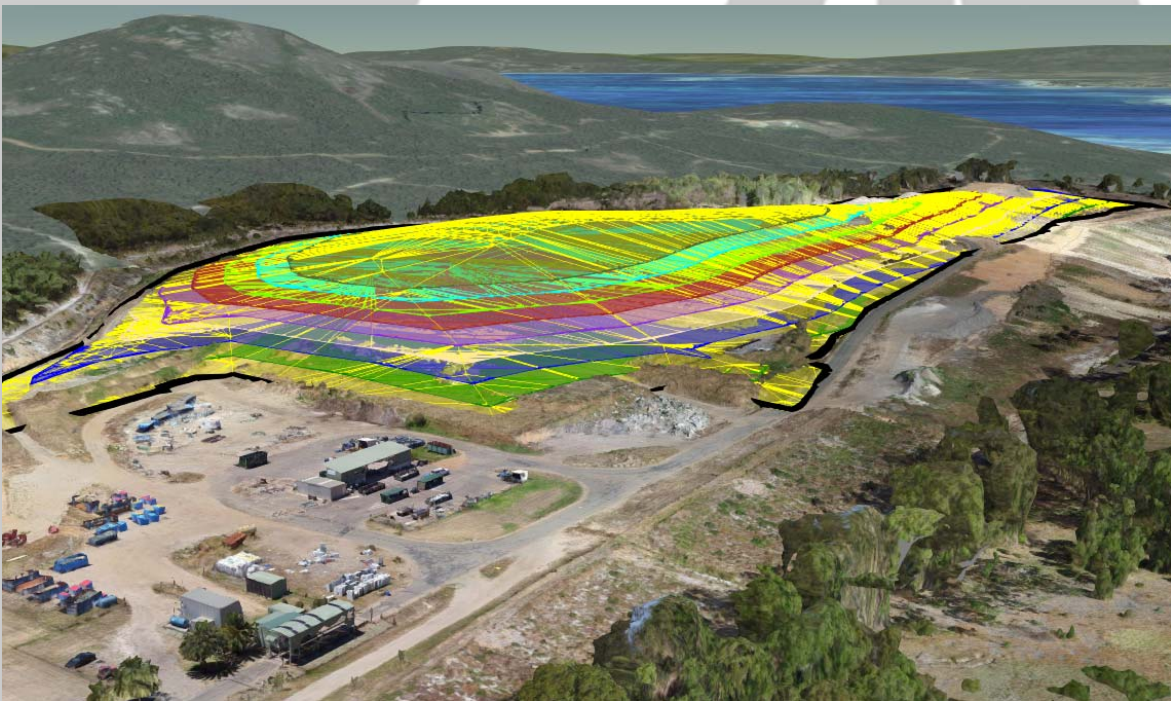
## Open Cut Pit Wall Inspection

Utilise the 3D model to inspect the pit face in high detail. Identify faults, take measurements and extract coordinates.



## 3D Model Data Overlays

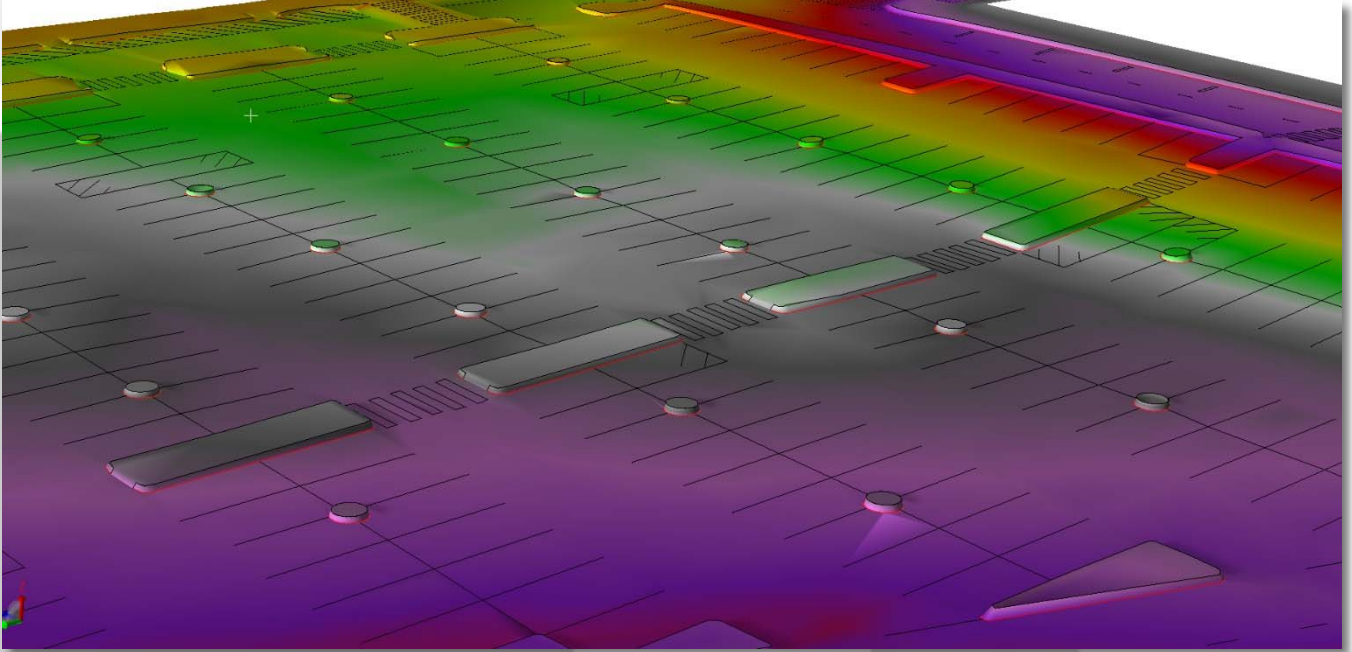
Vector data can be overlaid on 3D models to display existing, proposed or modelled features.



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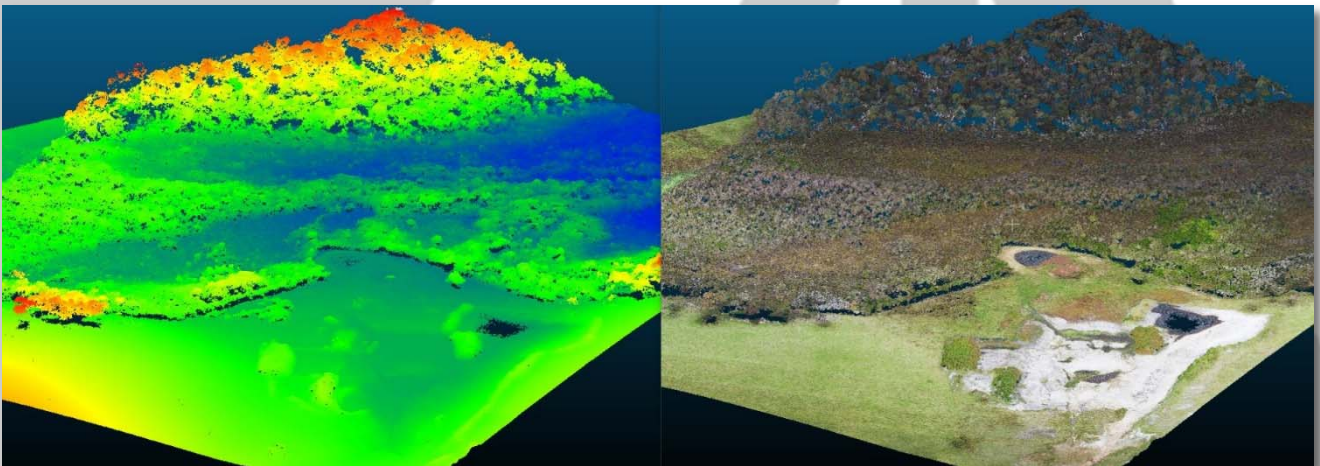
## Ground Elevation Models

Highly accurate spatial positioning allows above ground objects to be removed before a ground elevation model is generated.



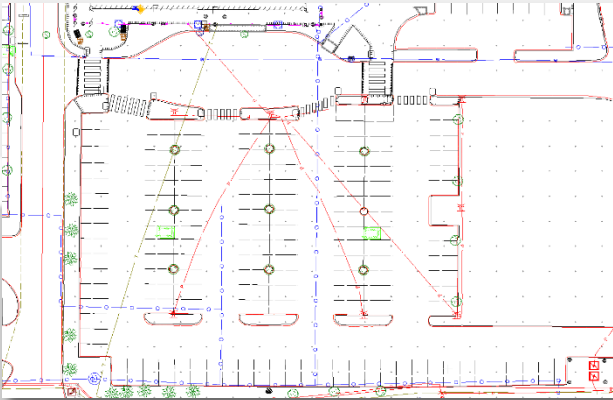
## Terrain/Feature Elevation Model

Allows identification of surface features and comparison to ground elevation models.

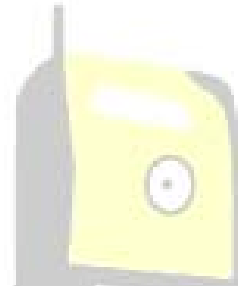


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## Feature Extraction and Digitising



Built and natural features can be extracted from high resolution imagery using automated processes and QA/QC'd against ground-truthed data. Specific features can be manually digitised with horizontal and vertical spatial accuracy.



## Volume Calculations

Highly accurate volume calculations can be performed without the need for surveyors to access stockpiles, pits or other high risk sites or interrupt production.

