



# Aerial Surveying

A clear snapshot of your project profile

Equipped with the technology and experience to help you quickly visualise and understand the lay of the land, Culhig Surveying's unmanned aerial systems (UAS) services capture high resolution geospatial data efficiently.

Making accessible hard-to-reach and sensitive locations, our aerial surveys collect images or millions of datapoints in a very short time, highlighting site constraints and opportunities across small and large areas. UAS surveys make mapping and interpretation precise without disturbing works at ground level; producing geo-referenced, high-resolution imagery and point cloud data suitable for 3D project visualisations or fly throughs, that can be referred to throughout the life of the project development.

## Applications

- Periodic volumetric surveying
- Aerial topographical surveying
- Geo-referenced orthophotography
- Visualisation and simulation
- Environmental and coastal monitoring
- Miscellaneous data extraction and reporting
- 3D modelling for open pit mining or conceptual designs

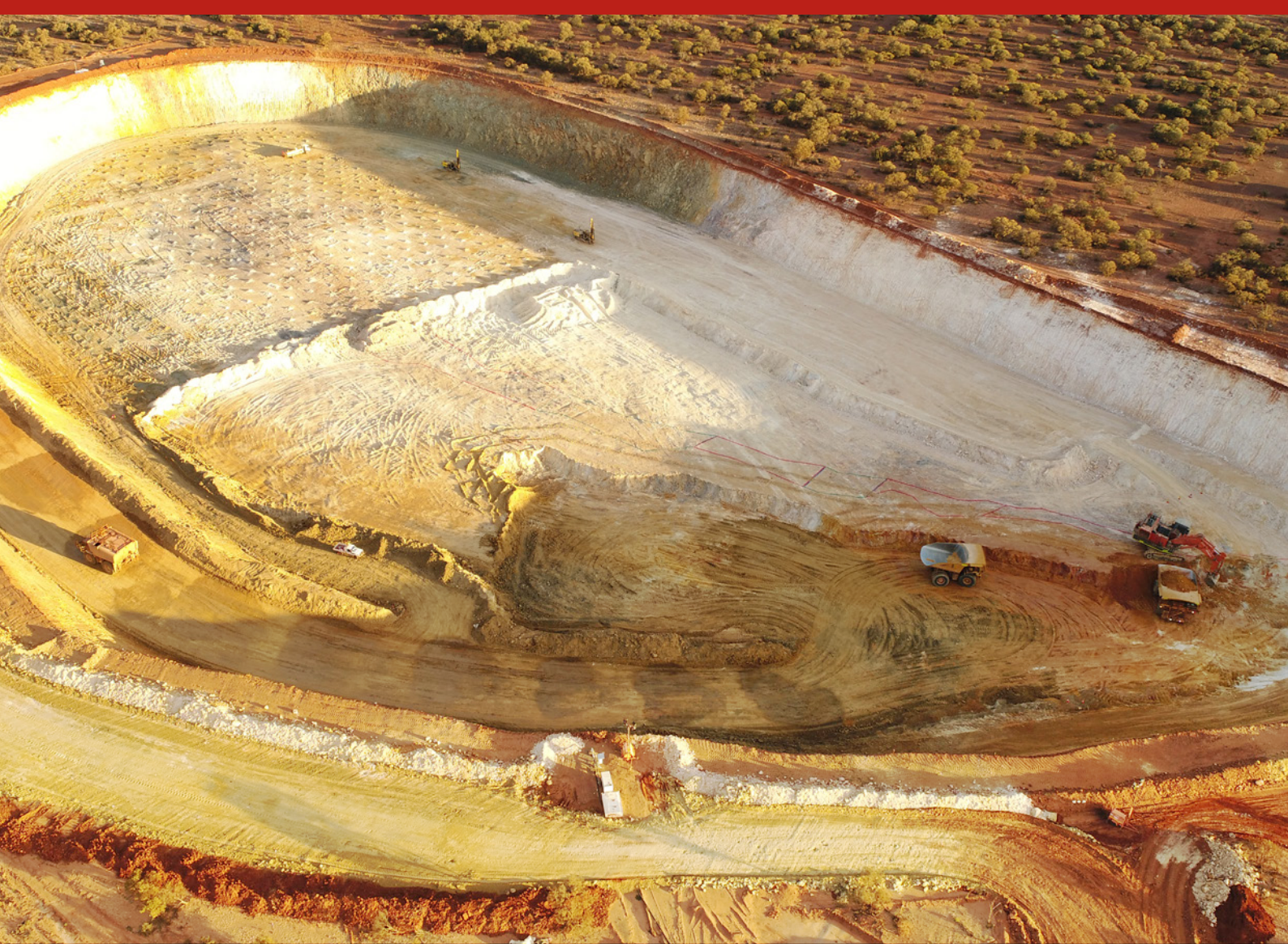
## Benefits

- Map sensitive, dangerous or difficult to access areas
- Rapid data capture over vast areas
- Quickly visualise a situation or track progress in real-time
- Cost effective, high resolution and precise



Sirius Aerial Surveying





## Survey Methodology

Compliant with Civil Aviation Safety Authority (CASA) regulations, our qualified surveyors and certified pilots are fully insured to carry out professional UAS operations.

## Culhig Aircraft Technology

Culhig Surveying invest in the most appropriate technologies to efficiently complete and exceed client deadlines. This enables us the capacity to survey small and large areas using UAS or manned aircrafts innovations such as:

- Survey-grade MAVinci Sirius Pro RTK UAS
- High precision Leica GNSS Systems
- Aerial photogrammetry/LiDAR solutions



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LET'S TALK ABOUT YOUR NEXT PROJECT

Contact us **M** 0419 891 379 **E** [admin.culhig.net.au](mailto:admin.culhig.net.au)



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