

# REMOTE SENSING CAPABILITIES

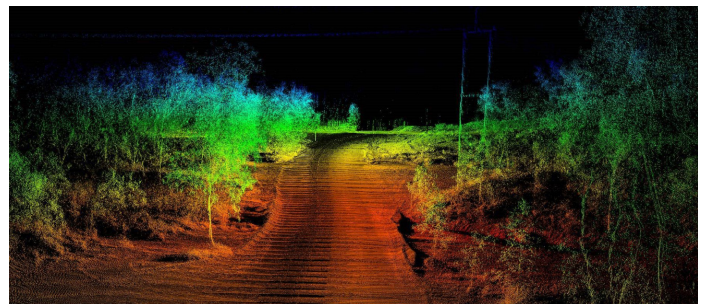
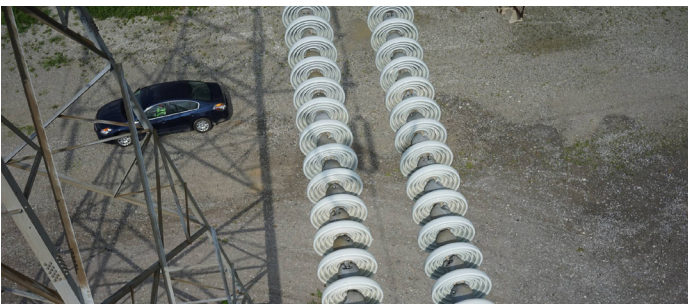
SCOUT AERIAL

## Who we are

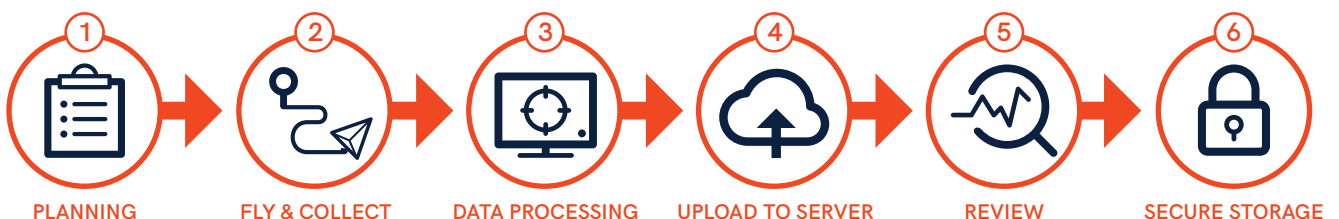
As an approved vendor for large engineering consultancies across Australia, we understand the requirement for engineering accuracy and high-quality data services. Working across projects in the government sector, private sector and defence sector means that Scout is trusted in empowering organisations to realise substantial improvements in safety, drive greater organisational efficiencies and expand technological capabilities across many business functions and processes.

Scout Aerial is Australia's leading provider of Remote sensing and geospatial solutions with an industry reputation for performance, quality and reliability.

With over 200 global projects annually, ranging in size from small works to major projects, we have built and developed the skills, technology and people to ensure project delivery efficiency across all industries.



To ensure successful outcomes with every project, we constantly develop our processes.





## How we work

Our data collection methodology has been refined over 6 years employing Remotely Piloted Aircraft Systems (RPAS) in various applications and environments. We proactively implement and adopt comprehensive, industry recognised and proven organisational safety management, environmental compliance and quality control systems in all work practices and operations.

### LiDAR

We employ the latest LiDAR technologies to provide seamless access to mapping and modelling capabilities including:

- Terrain / Geographic Modelling
- Infrastructure Modelling
- Industrial Design and Development

### Asset Management and Inspection

Using the latest aerial imagery and data capture technologies, we design and deliver customised asset inspection and monitoring solutions.

- Powerlines and Energy
- Water
- Buildings and Civil Infrastructure

### Emergency Response

With quick deployment, high on-board artificial intelligence, immediate flight data review and rapid result processing, Scout Aerial captures the information your first responders need, fast.

- Storm
- Flood
- Fire
- Traffic accidents
- Natural Disasters

### Flood Mapping

Utilising state-of-the-art aerial mapping technologies, Scout Aerial brings a wealth of experience in developing geospatial modelling for the accurate and timely development of:

- Terrain Modelling
- Flood Risk Profiling
- Flood Management Tools

### Algorithm Development

Utilising advanced machine learning technology, we design, build and train advanced algorithms that help automate your workflows:

- Base Algorithm design
- Cascading and Computer vision systems
- Machine Learning
- Neural Networks

### Thermal Imaging

Scout Aerial provides industry leading remote thermal mapping and inspection solutions utilising unmanned aerial technologies for a wide variety of thermal imaging applications.

- Power Supply / Energy Inspection
- Solar Installation Inspections
- Building and Plant Thermal Assessments
- Thermal Efficiency Assessments

### Remote Gas Sensing

Scout Aerial's remote gas sensing capabilities involve the use of airborne and terrestrial gas sensing technologies to enable:

- Environmental Monitoring
- Hazardous Environment Assessments
- OHS compliance

### Waste Management (Landfill)

Scout Aerial specialises in performing aerial and volumetric surveys of landfill and waste management sites, delivering complex engineering products with minimum disruption to your operation. As registered vendors for councils such as Brisbane City Council, Gold Coast City Council, Moreton Bay council, among others, we know the requirements for safe, effective operations.