

GIS Analyst (UAV Systems)

The GIS Analyst (UAV Systems) will be primarily responsible for generating DTM and DSM files through photogrammetry to be used to guide other UAV Platform geophysical surveys that the company runs.

Supplemental to the primary purpose of this role will be to assist setting up appropriate software platforms to work on programming and analysing various geographical datasets.

Core role will be to:

- The GIS Analyst (UAV Systems) to acquire accurate data safely and efficiently during a variety of operations.
- Make sure safety is a primary objective for all actions.
- Display professional and service-oriented behavior.
- Must be willing to travel for work.
- Valid Driver's License required.
- Current valid passport required.

JOB DUTIES

The primary responsibilities of a GIS Analyst (UAV Systems) include but are not limited to:

General

- Flexibility with rostered shifts and locations
- Abide by all company policies and procedures, especially Fatigue Management procedures always including all relevant regulations and legislation

Conduct:

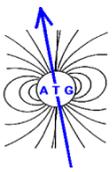
- Always present yourself and your equipment in a tidy and professional manner. This includes wearing full uniform whenever on company business, being engaged and punctual
- Carry out instructions and directions of Field Supervisor.
- Verbal and written communication to be always conducted in a professional manner
- Attend weekly client meetings and follow client requirements whilst on site or under their jurisdiction.

Safety

- Always operate company vehicles and equipment in a safe manner
- Ensure you are familiar with all client and company safety requirements; Take a proactive approach to HSE Policies and Procedures and report any hazards and risks identified in the workplace
- Regularly contribute health and safety information and initiatives at safety and prestart meetings
- Assist and/or conduct field safety audits when required.

General Production Duties:

- Complete appropriate site-specific and internal inductions as required prior to commencement of work in the field/workshop.
- Mechanical aptitude and outdoor experience required.
- Operating UAV systems in accordance with operating procedures to acquire data.



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- Report and troubleshoot any minor faults with equipment or raise with Austhai Geophysical Management team.
- Accurately fill out daily sheets and have signed by the client each day.
- Carry out maintenance in accordance with the maintenance procedure and record all maintenance undertaken.
- Complete all relevant paperwork as dictated by the relevant procedures set by Austhai Geophysical Management.

GIS Analyst (UAV Systems) Specific Duties:

- Gather information or produce aerial photographs, as needed
- Analyzing spatial data through the use of mapping software.
- Designing digital maps with geographic data and other data sources.
- Producing maps showing the spatial distribution of vegetation, constructions and other obstacles that may inhibit the safe operation of the UAV System during survey.
- Developing mapping applications and tools.
- Converting physical maps into a digital form for computer usage.
- Performing data munging and cleaning to convert data into its desired form.
- Managing a digital library of geographic maps in various file types.
- Assist pilot to Check drones before a flight to ensure safe and proper operation
- Assist pilot to analyze weather forecasts to ensure safe flights
- Assist pilot to monitor drones during flight
- Coordinate with Survey supervisor to Plan drone flight routes
- Perform equipment testing, troubleshooting, and maintenance.