

### **Geomatics/Aerial Survey Technician**

Location	Reno, NV
Contract type	Permanent
Hours	Full-time
Salary	\$31,500 - \$37,500 (Dependant on experience)

NM Group (Network Mapping, Inc) is an established US company based in Reno and with offices in Australia, United Kingdom and Canada. We provide specialized engineering, asset management and geospatial services to electricity transmission and distribution networks in the energy sector. These services help to create the intelligent grid of tomorrow.

#### **JOB DESCRIPTION**

NM Group have an exciting opportunity for a multi-skilled individual to join a dynamic US based field operations team who plan, capture and process ground and aerial survey data for engineering and asset management projects. The geomatics survey technician is responsible for ground based survey activities in support of aerial LiDAR capture operations including setting, operating and monitoring ground based GNSS and weather stations and participating in ground trothing operations for quality control of captured aerial LiDAR data. The aerial sensor operator is responsible for operating and supporting the aerial sensor platform.

The position will be predominately field based and involves extensive travel throughout the US and abroad. The successful candidate will have a can-do attitude, be a technically proficient problem solver and understand the importance of quality and efficiency in ground and aerial survey operations. Full training will be provided.

This is a multidisciplinary position that includes being proficient in both the aerial sensor operations and ground support operations. Primarily we are looking for a survey technician who will be able to be cross trained as an aerial sensor operator.

#### **Geomatics Survey Technician**

Survey Technicians work predominately in the field capturing ground survey data and are proficient in the use of ground survey equipment including GNSS receivers, total-stations laser scanners and weather stations. The survey work typically involves ground support for aerial operations.

#### **Key Geomatics Survey Technician responsibilities**

- Assist as directed in planning activities such as the preparation of work plans and identifying suitable sites using mapping tools.
- Review project information, risk assessment and method statement and ground survey plan prior to deployment to site.
- Engage in project and safety briefings prior to work start and during the daily toolbox talk.
- Identify suitable locations for ground reference receivers and weather stations and establish permanent ground markers in aerial support campaigns.
- Set up, measure, start and monitor GNSS and weather equipment, coordinating with the ASO on timing.
- Take detailed field notes supporting post-processing and static observation reporting.
- Collect ground truth data using real time or post-processing GNSS techniques.

- Collect topographic or other survey data in support of non-aerial campaigns using appropriate equipment and methodologies, including total-stations and terrestrial laser scanners.
- Download and quality assure data collected in the field and prepare associated quality reports.
- On a daily basis, issue completed data and reporting to the project group and update any tracking documents as required.
- Assist with project planning and data processing in the office as required.

#### Desired Knowledge and Experience for the Geomatics Survey Technician

- Understanding of field survey procedures and experience with GNSS survey equipment.
- A high technical aptitude for working with GNSS surveying equipment, computers and computer software.
- Preferably degree qualified in relevant field (e.g. Geomatics, Surveying, Remote Sensing, GIS or Geography) or equivalent industry experience.
- Preferably LSIT Certification.
- Desire to travel and a willingness to work away at short notice for 1-3 weeks and occasional extended periods of up to 6-8 weeks.
- Sufficient experience and knowledge to qualify for temporary entry into foreign countries.
- No travel restrictions to foreign countries.
- Full Clean US driver's licence (held for + 2 years).
- Ability to qualify to rent cars in the field – must be 25 or older to rent cars.

#### **Aerial Survey Technician**

The Aerial Sensor Operator works primarily in the aircraft to operate, install and troubleshoot a range of aerial sensor systems.

#### Key Aerial Sensor Operator responsibilities

- Operating LiDAR and imaging sensor equipment for data capture, utilising the flight plans and effective pilot communication to capture data and verify real-time coverage.
- Conduct system installations and ground testing of the scanner systems prior to survey flights.
- When required, troubleshoot and resolve system failures sourcing assistance through established support channels with third party suppliers as necessary.
- Assist in planning activities such as the preparation of work plans and research into airspace, aircraft and logistics and review project information and survey plans prior to deployment to site.
- Engage in project and safety briefings/meetings prior to work start and during the daily toolbox talk.
- Contribute to tactical planning for daily airborne operations by providing practical advice and recommendations to Project Survey Lead and communication with the pilot.
- Brief the pilot prior to flight to communicate the daily tactical plan and any specific requirements and issue flight notifications to clients as required.
- Liaise with the Project Survey Lead and the ground team to ensure all are in place prior to commencing survey, re-deploying each ground unit as required and communicate when clear to stop the ground operations.
- Download the flight data and logs to the system hard drives and ensure the safety of the storage medium on transport to hotel/office.
- On a daily basis, issue completed data and reporting as appropriate and update any tracking documents as required.

#### Desired Knowledge and Experience for the Aerial Sensor Operator

- An aptitude with electronic equipment, the ability to troubleshoot system issues and resourcefulness in seeking solutions to problems.
- Preferably degree qualified in relevant field (e.g. Geomatics, Surveying, Remote Sensing, GIS or Geography) or equivalent industry experience.
- Desire to travel and a willingness to work away at short notice for 1-3 weeks and occasional extended periods of up to 6-8 weeks.

- Sufficient experience and knowledge to qualify for temporary entry into foreign countries.
- No travel restrictions to foreign countries.
- Full clean US driver's licence (held for + 1 year).

**To apply for this job please send your CV and cover letter to [recruitment@nmgroup.com](mailto:recruitment@nmgroup.com)**