

Position Title: Geospatial Processor

Geospatial Processors have the ability to follow and execute established workflows creating products from a range of datasets including LiDAR, imagery and asset information.

Salary Tier: 1

Reporting to: Data Processing Team Manager

Duties and Responsibilities:

Geospatial Processors carry out workflows that may span the three disciplines. Typical duties may include:

Remote Sensing Workflows:

- Produce fit for purpose, spatially aligned, geospatial datasets for particular AOIs to meet a specified level of accuracy, including both corridor and wide areas,
- Employ image processing and enhancement techniques to improve the visual aesthetics of imagery products,
- Assess and report on the spatial accuracy of the processed products,
- Under guidance be able to transform datasets according to project requirements,
- Generate and compile metadata using existing templates, in a comprehensive but concise manner using technical vocabulary.

Mapping, Classification, Spatial Modelling and Asset Record workflows:

- Efficiently classify LiDAR datasets using a range of contextual data sources according to specified schema's,
- Produce topographic maps from LiDAR and imagery datasets to specified schemas and mapping scales,
- Produce LiDAR derived spatial modelling products according to specified parameters,
- Process and present asset imagery according to client requirements,
- Import data into PLS-CAD ready for modelling,
- Carry out Quality Control checks on the products produced from these workflows.

PLS CADD workflows:

- Model Transmission lines within the PLS CADD environment to provided specifications,
- Produce Staking tables & PI reports for use in Meteorological Data, Forward Looking Imagery & Temperature Calculations as required.
- Produce Meteorological data independently,
- Produce Temperature calculations to pre-defined templates,
- Conduct simple transmission / distribution asset assessments against a set of defined criteria,

- Carry out Quality Control checks on the products produced from these workflows.

Prerequisites:

- Ideally a tertiary level qualification or equivalent in a relevant discipline,
- Or alternatively, good A-Level and/or GCSE qualifications and an appropriate aptitude for working with spatial datasets and software packages, a good work ethic and an ability to learn.

Core Competencies: Tier 1

Expected Discipline Knowledge and Skillset:

- Working knowledge of standard software packages including Microstation, TerraSolid suite. PLS CADD, Global Mapper and Arc GIS, Excel, recognising its place within the workflow and able to work comfortably with common workarounds.
- Awareness of the common sensors (aerial LiDAR and imaging systems and terrestrial survey instruments) and their practical applications.
- Awareness of geodetic concepts such as datum, projections and units, recognising the importance of using the correct coordinate system and the impacts of not doing so. Familiarity with common coordinate systems and ability to identify these from coordinate system definitions.
- A basic understanding of transmission and distribution line concepts and the ability to differentiate between the different classes of conductors, towers and other features.

- In consideration of the demands of an office based role; candidates must inform NM Group of any medical or other conditions which may require additional support from NM Group to successfully discharge that role.