

Position details

Title of Position:	Experienced Asset Spatial Systems Analyst
Reports to (position title):	Manager Asset Information
Division:	Assets
Function:	Asset Information
Number of Direct Reports:	Nil
Grade:	5

Health, Safety & Wellbeing

ElectraNet is committed to co-creating a workplace of choice and enriching the communities in which we operate.

As an industry leader, ElectraNet is at the forefront of the clean energy transition. We are socially and environmentally ambitious, and our continued commitment to developing, operating and maintaining our network in a way that creates opportunities for people and nature to thrive is essential to achieving our vision of energising South Australia's Clean Energy future.

Our commitment also drives our focus to create a physical and psychosocial environment that supports the health, safety and wellbeing of our people.

We all contribute to ElectraNet's workplace culture and have a duty of care to ourselves and one another to work safely, assess and manage risk, courageously speak up and promptly report any unsafe working practices, hazardous working conditions or security threats and to collectively learn and grow from every opportunity.

Position Overview

The Experienced Asset Spatial Analyst is accountable to the Asset Information Manager and is responsible for day-to-day management of the geographical management systems. The Experienced Asset Spatial Analyst ensures ElectraNet and its External Service Providers have access to quality information, in a prompt and effective manner to aid in the asset lifecycle decision making. They take an integrated approach and are a key influencer with internal and external stakeholders to drive optimised delivery of spatial solutions. They are proactive and innovative, regularly generating new ideas and solutions that continually transform our Asset Spatial Systems.

The Experienced Asset Spatial Analyst provides spatial data and solutions custodianship within ElectraNet ensuring efficient and effective policies, procedures and processes exist to support ElectraNet's business, inclusive of its contractors and stakeholders.

Success in this role is characterised by strong spatial technical expertise, data management, spatial systems development, effective communication, and an ability to build relationships across broad stakeholder groups to drive complex resolutions effectively. .

Key Responsibilities

A role at this level undertakes professional, specialist work involving considerable independence, originality, ingenuity, and judgment. They help achieve business goals and objectives by providing leadership and guidance in the areas of:

Operational & Technical

- Provide technical research, advice and analysis associated with spatial data to the organisation.
- Contribute to the review of existing business processes involving spatial data for effectiveness and efficiency in the delivery of services and recommends improvement strategies.
- Provide input in the production of spatial data, analysis and applications ensuring the delivery of quality and timely data, information and reports.
- Provide input into the evaluation and review of spatial services and products undertaken by the team that contributes to improved performance and outcomes.
- Manage spatial inputs for the development and implementation of ElectraNet strategies, guidelines, policies, procedures and processes.
- Support staff throughout the organisation on custodial data management issues and data sourcing.
- Maintain and enhance relationships through organisational business partnering.
- Develops, manages and maintains productive relationships with a range of stakeholders within and external to the Department.
- Undertake training of staff and provides technical support in the use of a range of applications and GIS products.
- Develop reports, mapping and data products to provide high level cartographic mapping products.
- Undertake data manipulation, analysis, management and visualisation of spatial data sets including 2D and 3D modelling across a range of spatial and spatially enabled systems.
- Assist in the management of field data collection tools including field work on an ad hoc basis.
- Provide expert advice within ElectraNet and its stakeholders on spatial data, analysis, applications and technologies.
- Provide specialist technical support throughout ElectraNet in the following areas:
 - Develop and manage business processes associated with the maintenance and governance of geospatial data within the business.
 - Provide business support of the Geographical Information System to ensure that data security, integrity and reliability is maintained.
 - Train and provide support to new and existing users of GIS.
 - Provide business support for advanced functions associated with the GIS (e.g. Generating reports, interfaces and batch load processes).
 - Auditing of Asset Information data and update relevant asset and configuration management systems accordingly.
 - Contributing to the Asset Performance Reporting to ensure asset data quality is adequately managed and enhancing business decision making across the asset lifecycle.
 - Ensure CAPEX and OPEX project handover information is captured in the GIS.
- Apply guidelines, processes and systems to lead the way of best practice.
- Contribute to inter-organisational obligations related to compliance in relation to all technical requirements, regulations and legislation certification.
- You may be directed to undertake other duties commensurate with your skills, experience and classification level.

Behavioural

- Build and maintain strong working relationships with and between internal and external stakeholders, delivering a high level of customer service.
- Create and develop a respectful workplace environment that values cultural diversity, innovation, open discussion and cross functional collaboration to help drive high performance.
- Lead by example; role model desired behaviour and priorities, demonstrate personal accountability for self-development and for achieving quality and timely result.
- Demonstrate behaviour that is consistent with ElectraNet's values, Code of Conduct and Acceptable Use of Technology Resources Policy while performing the role in a professional and ethical manner.
- Promote safe work practises that support the safety of all workers and the security of ElectraNet's assets, proactively reporting safety incidents, near misses and security threats.

Significant Working Relationships

- External Customers & Suppliers
- ElectraNet Corporate Development
- ElectraNet Network Services
- Australian Energy Market Operator (AEMO)
- Essential Services Commission of SA (ESCOSA)

Equipment & Technology Used

- ArcGIS Enterprise (ArcGIS Server, ArcGIS Portal ArcGIS Pro and ArcGIS mobility applications)
- PSCAD
- Python
- SQL
- Advanced Excel Skills

Selection Criteria

Knowledge & Experience

Essential

- Substantial experience in the management of corporate spatial technology resources, including servers, software and applications.
- Substantial experience in implementing complex spatial solutions, including spatial database design, mobile and web application development, and spatial analysis and modelling.
- Demonstrated experience in a similar position, supporting and maintaining Geographical Information Systems (as a guide approximately 5+ years).
- Demonstrated knowledge of the energy industry and transmission network including technology and developments within the discipline.
- Substantial working knowledge of ArcGIS Enterprise (ArcGIS Server, ArcGIS Portal ArcGIS Pro and ArcGIS mobility applications).
- Substantial working knowledge of relational and spatial database management systems; specialising in SQL.
- Demonstrated knowledge of computer aided drafting (CAD), digital twin and building information model (BIM) software applications.

- Knowledge of all aspects of the discipline obtained through experience, networking, research and other means of professional development.
- Well-developed conceptual, analytical and problem-solving skills with the ability to resolve difficult problems.
- Demonstrated ability to apply sound project management methodology to manage teamwork schedule / projects.
- Well-developed analytical, investigation, problem-solving and technical report writing skills.
- High level of interpersonal, verbal and written communication skills with the ability to establish and maintain productive relationships with a range of stakeholders in various contexts.
- A high level of initiative, energy and self-motivation and ability to develop strong working relationships.
- Ability to effectively manage conflicting priorities and meet deadlines in a fast-paced and agile environment.
- Sound ability to use the Microsoft Office suite of products.
- Knowledge of all legislated rules and codes governing the business and industry (NER, SA Electricity Transmission Code, etc.).
- Demonstrated ability to work as a team member and actively promote office harmony.
- Flexible approach to working hours and after-hours commitments.

Desirable

- Minimum five years' experience, working in a Spatial Analyst or Asset Data Management related role.
- Electricity Industry background an advantage.

Qualifications

- Tertiary qualifications in Computer Science, Geospatial Information Systems, or equivalent relevant experience (essential).
- Valid Australian Car Driver's Licence (or eligibility to obtain one) (desirable).

Background Checks

- Pre-employment checks, including background and security checks (such as global criminal checks) are required for this position, completed prior to commencement and repeated on a regular basis after appointment.

NOTE: Copies of the above listed qualifications/licences/certificates are required as evidence on appointment.