

**Position details**

<b>Title of Position:</b>	Experienced Substation Engineer
<b>Reports to (position title):</b>	Manager Substation Engineering
<b>Division:</b>	Delivery
<b>Function:</b>	Substations Engineering
<b>Number of Direct Reports:</b>	Nil
<b>Grade:</b>	6

**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 Substation Engineer is responsible for proactive contributing towards strategic initiatives, concept and detailed design and engineering services for achievement of business and performance objectives. The Substation Engineer will support engineering delivery throughout the lifecycle of ElectraNet's substation assets from concept design to asset disposal within multiple capital projects and ensure compliance with ElectraNet's governance, technical standards and agreed performance outcomes.

Success in this role is characterised by competency in Substation Engineering, clear strategic thinking, effective communication, an ability to build relationships across broad stakeholder groups and engineering and design delivery excellence.

**Key Responsibilities****Operational & Technical**

A role at this level undertakes specialist work independently with minimal supervision and judgment. They help achieve business goals and objectives in the areas of:

- Preparation of relevant technical deliverables including customer service proposals, engineering scopes, concept and detailed designs, technical investigations, tender assessment, contract technical specifications and field support for Capital Expenditure projects.

- Ensure specialist technical support for whole of life substation primary and infrastructure systems from concept, design, installation, operation and performance, maintenance and disposal. This includes ensuring that major items of HV plant integrate correctly with the overall design of the substation.
- Development and improvement of functional requirements specification, substation design philosophy and design standards.
- Ensure design specifications comply with industry safety and reliability standards and ElectraNet requirements.
- Actively contribute to "Safety in Design" for substation engineering projects and operations.
- Plan and prioritise own workload.
- Embrace change, identify improvement, and support the change management process to ensure its success.
- Partner with internal and external stakeholders to embed the learnings from previous projects, asset event investigations and condition monitoring activities to continually improve asset performance.
- Apply organisational guidelines, processes and systems to lead the way of best practice.
- Contribute to organisational obligations related to compliance with legislative requirements and regulations.
- Clearly communicate technical information and requirements to customer and stakeholders both internally and externally.

#### 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

- Substation Engineering team and Manager
- Design Managers and Project Managers
- External Contractors & Suppliers
- Network Planners and Asset Strategies
- ElectraNet Asset Management

**Equipment & Technology Used**

- CDEGS
- AGi32
- PHAST
- CYMCAP
- Microstation and AutoCAD
- PowerCad 5
- EMTF
- Microsoft Office

**Selection Criteria****Knowledge & Experience****Essential**

- Competent in substation primary design and equipment, its performance and operation
- Competent in substation primary concepts such as layouts, configurations, switchgear interlocks, earthing, lightning protection, insulation coordination, EMF, lighting design, fire risk assessment, noise modelling, security and substation auxiliaries
- Competent in substation HV plant and infrastructure installation, commissioning and testing principles and requirements
- Demonstrated ability to prepare substation (primary and infrastructure design and construction) specifications
- An understanding of asset life cycle management principles
- Competent in Civil and Structural design and construction in a substation context
- An understanding of related disciplines such as secondary design, protection, SCADA, telecommunication, transmission lines design
- Knowledge of legislated industry requirements (WHS, National Electricity Rules, ESCOSA, OTR, AEMO Guidelines) as well as relevant Australian and IEC standards as applicable to substation requirements including HV plant.
- Competent contract administration capabilities
- Competent analytical, investigation and problem-solving skills
- Competent time management, coordination, and organisation skills
- Competent understanding of auditing processes
- Good written and verbal communication skills; good interpersonal skills
- Flexible approach to working hours and after-hours commitments.

**Desirable**

- Minimum 7 years' experience, in Discipline related role
- Electricity Industry background an advantage

**Qualifications**

- Tertiary qualification in Electrical Engineering or relevant discipline (essential).
- Eligible for membership of Engineers Australia (essential)
- Chartered status with Engineers Australia (desirable)
- TAAM licence (desirable)
- White Card training (desirable)

- Driver's license (essential)

#### 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.