

Position details

Title of Position:	Senior Network Planning Engineer
Reports to (position title):	Manager Network Planning
Division:	Network
Function:	Network Planning
Number of Direct Reports:	NIL
Grade:	7

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

Accountable to the Manager, Network Planning, Senior Network Planning Engineers specialise in power system planning and network performance. They have a sound understanding of underlying engineering, regulatory and economic principles that underpin network investment decision making. They spend their days applying creativity and innovation to design the future network to supply a zero carbon emission economy, simultaneously handling commercial pressures from internal and external stakeholders to deliver the lowest long run costs to customers.

They enjoy the challenge of generating and implementing new ideas and solutions that continually transform our network to meet customer needs, ensuring its capabilities result in resilient performance.

Key Responsibilities**Strategic Influencing**

- Take initiative, drive for outcomes, take ownership, make independent decisions and formulate policies and procedures within established frameworks to obtain the best performance and results.
- Consultation with and consideration of stakeholder input to ensure fit for purpose planning.
- Plan, direct, manage, coordinate and supervise work of other employees including professional employees.
- Provide ongoing, balanced feedback that rewards positive results and supports employees to learn and grow.

- Inspire, motivate, mentor and develop employees to be engaged, accountable and achieve best practice in their respective disciplines.
- Support external stakeholder management to deliver effective engagement with consumers and other stakeholders and support the regulatory positioning of the business.

Operational & Technical

Develop technical deliverables & make technical decisions in accordance with the ElectraNet Technical Authority Framework.

Providing technical leadership, mentoring & supervising others, you will be accountable for delivering technical advice and operational support in key areas of focus and/or specialisation from the below.

Proactively managing Customer Connections by leading & inform people leaders in the delivery of:

- Providing specialist advice to Business Development on customer connections
- Evaluation of customer connection proposals
- Management connection technical assessments
- Negotiation of Generator Performance Standards

Proactive Long-Term Planning by leading & inform people leaders in the delivery of:

- Planning inputs and analysis, including market benefits analysis
- Assessment of development opportunities via scenario planning and market modelling
- Developing planning reports, e.g. Transmission Annual Planning Report
- Regulatory Investment Tests for Transmission including stakeholder engagement
- Advice to AEMO to enhance the value of the Integrated System Plan

Develop & maintain fit for purpose power system models and provide specialist analysis to support a secure and operable system now and into the future by leading & inform people leaders in the delivery of:

- Development and maintenance of power system models, including testing and commissioning
- System capability and system security analysis, including network transfer capability analysis
- Connection compliance and performance
- Operational planning
- Equipment and line ratings

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
- SA Power Networks (SAPN)
- Australian Energy Market Operator (AEMO)
- Essential Services Commission of SA (ESCOSA)

Equipment & Technology Used

- PSS/E & AULimit
- PSCAD
- Power Factory
- Other specialist analysis tools, e.g. PLEXOS, Mudpack & Matlab

Selection Criteria

Knowledge & Experience

Essential

- Possesses in-depth specialised knowledge of concepts, processes & activities
- Advanced analytical interpretation and problem-solving skills
- Experienced in coordinating / developing an array of smaller projects as part of a larger business plan or working in a specialist capacity monthly to six monthly.
- Ability to share and communicate with impact and effectiveness to others
- The application of engineering analytical techniques planning, system design and operational support;
- Applying established methods and approaches to engineering problems;
- Understanding and application of physics and mathematical principles in conducting system planning and operational support;
- Applying economic impact of solutions to technical problems.
- Ability to undertake programming using Python or similar
- Sound knowledge of legislated industry requirements (National Electricity Rules, ESCOSA, OTR, AEMO Guidelines)
- Well-developed analytical, investigation and problem-solving skills
- Demonstrable, advanced written and verbal communication skills; good interpersonal skills
- Knowledge of transmission system reliability and performance
- Knowledge of substation and transmission system components, performance and operation
- Demonstrable ability to work as a team member and actively promote office harmony

Desirable

- Flexible approach to working hours and after-hours commitments
- Electricity Industry background an advantage

- As a guide minimum 10 years' experience, and demonstrated capability in an Engineering related role

Qualifications

- Tertiary qualification in Electrical Engineering or relevant discipline (essential).
- Eligible for membership of Engineers Australia or professional association (essential)
- Chartered status with Engineers Australia or equivalent (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.