

Position details

Title of Position:	Senior Automation Engineer
Reports to (position title):	Manager Automation Engineering
Division:	Delivery
Function:	Automation Engineering
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

- Support development and maintenance of Substation Automation System standards including equipment evaluation
- Support integration of substation IEDs into the Substation Automation System and remote engineering access
- Plan and prioritise own workload
- Support co-ordination of engineering project deliverables with stakeholders
- 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
- You may be directed to undertake other duties commensurate with your skills and classification level.
- Travel: Intra/Inter State as required
- Flexible approach to working hours – Some out of hours work may be required

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 Contractors
- ElectraNet Network Services
- ElectraNet Corporate Services (Operational Technology &

- Advanced knowledge of system interfaces to SCADA Master Station, Protection IEDs, Telecommunication, remote engineering access, condition monitoring equipment and National Grid Metering
- Advanced knowledge of existing electricity industry legacy Substation SCADA RTUs and Control System equipment and design
- Advanced knowledge of Substation SCADA database structure and use
- Advanced knowledge of Substation Metering and circuitry design
- Advanced knowledge of HMI and EMS
- Advanced knowledge of Voltage Regulation, Auto-Reclose and Synchronising Schemes
- Advanced knowledge of SCADA/Substation Automation System construction and commissioning
- Advanced knowledge of legislated industry requirements (National Electricity Rules, ESCOSA, AEMO Guidelines, Safety in Design etc.)
- Advanced knowledge of Power System Fundamentals
- Knowledge of Protection Design and Substation Infrastructure Engineering
- Ability to produce automation and control device (IED) settings and configuration files
- Knowledge of project delivery, meeting budget and schedule constraints
- Advanced written and verbal communication skills; good interpersonal skill
- Advanced analytical, investigation and problem-solving skills
- Applying theoretical and practical knowledge to solve commonly encountered problems
- Applying generally accepted concepts, principles and standards in well-defined areas
- Undertake ongoing tasks being performed on either a daily/weekly/monthly basis
- Flexible approach to working hours and after-hours commitments

Desirable

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

Qualifications