Position details

Title of Position:	Senior Civil Structural Engineer
Reports to (position title):	Manager Substation Engineering
Division:	Delivery
Function:	Project Engineering
Number of Direct Reports:	N/A
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

The **Senior Substation Civil & Structural Engineer** provides technical leadership and strategic engineering expertise across ElectraNet's substation civil and structural portfolio. The role shapes and delivers engineering solutions across the asset lifecycle, supporting strategic initiatives, capital projects and the ongoing performance and resilience of substation infrastructure.

The position influences key internal and external stakeholders, drives engineering and design excellence, and ensures solutions are safe, fit for purpose and aligned with ElectraNet's technical standards, governance requirements and business objectives.

Key Responsibilities

People Leadership

- Provide ongoing, balanced feedback that rewards positive results and supports team members to learn and grow.
- Embrace change, identify improvement, and support the change management process to ensure its success.
- Inspire, motivate, coach, and mentor less experienced team members to be engaged, accountable, and achieve best-practice in their respective disciplines.
- Role model in developing innovation substation design solutions and standards resulting in technical and commercial benefits.

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- 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.
- Solve problems across business and divisional boundaries based on technical excellence, quality decision making and balanced judgement.
- Collaborate across internal and external organisational boundaries to build strategic relationships that support the achievement of business objectives and a high level of customer service.

Operational & Technical

- Preparation of technical deliverables (including customer service proposals, project resource plans, design briefs, engineering scope, concept and detailed designs, technical investigations, development application documentation, contract technical specifications) for substation engineering projects.
- Production of project design deliverables and working with a multi-disciplinary team of engineers & para-professionals including external service providers.
- Technical review of design submissions.
- Preparation of technical specifications & inspection test plans and assess tenders against ElectraNet policies and standards.
- Checking internal work for technical accuracy and adequacy.
- Reviewing designs for constructability requirements.
- Preparation of all Inspection and Test Plans and associated Project Specific Procedures.
- Identifying and coordinating external technical resource for project support and delivery.
- Foster technical innovation, acquisition of expertise, and supporting a culture of continuous improvement.

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, customers, and suppliers
- ElectraNet Network Services

Equipment & Technology Used

- AutoCAD Civil 3D
- PLS-TOWER
- SPACE GASS

Selection Criteria

Knowledge & Experience

Essential

- Detailed knowledge and understanding of all aspects of the discipline obtained through experience, networking, research and other means of professional development.
- Significant experience in structural design (including poles, gantries and substation equipment stands) for substation projects.
- Significant experience in the design of civil works (earthworks, foundations and concrete works, drainage and pavements) for large infrastructure developments, including use of AutoCAD Civil 3D.
- Significant experience in leading geotechnical investigation studies for civil works projects.
- Understanding and experience in the design of transformer bunds and liquid retaining structures.
- Understanding of earthquake and short-circuit forces as applied to substation structure design.
- Site experience as a civil project engineer on construction or operating infrastructure sites.
- Experience in successfully delivering engineering outcomes using project management tools, systems and processes.
- Well-developed analytical, investigation and problem-solving skills.
- Demonstrated ability to apply sound engineering and project management methodology to manage own work schedule / projects.
- Detailed understanding of all legislated rules and codes governing the business and industry.
- Demonstratable, advanced written and verbal communication skills; good interpersonal skills.
- Ability to work as an effective team member, support others and actively promote office harmony.
- Flexible approach to working hours and after-hours commitments.
- South Australian car driver's licence (or eligibility to obtain).

Desirable

- Minimum 10+ years' experience, in Discipline related role
- Electricity Industry background an advantage
- Experience in civil design, geotechnical engineering and structural analysis.

Qualifications

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

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

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.

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