



**Title:** Senior Electrical Engineer  
**Location:** Brisbane or Perth, Australia  
**Function:** Engineering  
**Details:** Full time, Permanent

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EDL owns and operates a global portfolio of power stations in Australia, North America, and Europe. Our vision is to be the leading global producer of sustainable distributed energy. At EDL, we are playing a key role in the world's transition from traditional energy sources to decarbonised solutions.

Reporting to the Lead Electrical Engineer, this role is responsible for providing electrical engineering leadership to ensure EDL maintains compliance with Legislative, technical and HSE requirements to minimise risk to the business, its employees, and key stakeholders.

### **Key Responsibilities**

- Investigate problems with electrical systems and develop projects and plant modifications (MoC's) to address identified issues.
- Facilitate design and project reviews, including HAZOP, HAZID and safety reviews.
- Review high level designs and estimates of electrical engineering activities for future project proposals.
- Provide support for evaluation for selection of preferred technology and subsequently preferred suppliers as part of the contract's evaluation process of project development.
- Prepare and check engineering designs, estimates, proposals, standards, and operational guides with other disciplines for operations and projects.
- Provide support for electrical engineering deliverables on projects including the review of contract documentation and drawings provided to EDL for its comment by contractors, option studies, technology selection and selection of transmission point connection.
- Work closely with technical development teams and liaise with other organisational disciplines to develop engineering designs, standards, and guides for operational and project-based work.
- Prepare technical specifications, equipment datasheets and calculations, including HV/LV switchgear, distribution equipment, control systems and electrical protection settings.
- Provide support for managing interfaces between the project or site and various Regulatory bodies including network service providers under statutory requirements for a project.
- Provide technical assistance in the ongoing monitoring and administration of contracts, including the raising of requests for information and the assessment and recommendation of claims for payment from suppliers.
- Provide supervisory and technical assistance for any on-site commissioning work.
- Provide mentoring to graduate electrical engineers.

### **Qualifications and Experience**

- Formal engineering qualifications at engineering degree level in Electrical engineering with a minimum of 10 years' experience following graduation.
- Member of the Institution of Engineers, Australia, CPEng.
- Member of the Board of Professional Engineers Queensland, RPEQ.
- CPR/LV rescue.
- Experience in power system and earth grid analysis using modelling software.
- Experience in industrial power generation, protection design and control systems.
- Hazardous Area Design and Classification (desirable).
- Experience with the requirements of the National Electricity Rules for Generators (desirable).
- Understanding of electrical safety, functional safety (AS61508/61511) requirements (desirable).

EDL is committed to creating a diverse and inclusive environment and is proud to be an equal opportunity employer.

If you wish to apply for this position, please email your current resume and a 1-page cover letter to [hvacancies@edlenergy.com](mailto:hvacancies@edlenergy.com) with the reference VAC0269 in the subject.

**Applications close Friday, 23 April 2021**