



Title: Senior Electrical Engineer – Asset Management
Location: Brisbane, Australia
Function: Asset Management
Details: Permanent, Full-Time

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 Group Strategic Asset Planning Manager, Senior Electrical Engineer – Asset Management is responsible for delivering asset management support for all business functions to optimise the balance of cost, risk and performance across EDL's electrical and controls assets.

Key Areas of Responsibility

- Actively ensure the health and safety of yourself and others through understanding and implementing workplace health and safety obligations.
- Participate and provide inputs into operational risk assessments and other electrical safety reviews and process hazard analysis activities.
- Prepare site specific asset management plans through establishing the Maintenance specification of assets as part of Operational Readiness for new projects or integration of acquired assets. It involves the following high-level activities:
- Develop a comprehensive electrical asset hierarchy that identifies all maintainable items for new assets.
- Based on the risk of failure, specify maintenance requirements for new projects.
- Develop Safe Work Instructions (SWI) and Inspection and Test Sheets (ITC) that effectively translate those maintenance requirements into executable documents for Operations.
- Based on the risk of failure, establish spares requirements for new projects.
- Establish discipline specific content of the Asset Management Plan for new projects and maintain those plans through the asset lifecycle.
- Change management to ensure the engagement of all stakeholders in the collaborative development of the O&M specification.
- Continual updating and refinement of the initial maintenance specification (as established during Operational Readiness) based on operating experience / reliability information.
- For existing operations that do not have detailed maintenance specification, retrofit the methodology to achieve consistency across sites where required.
- Analyse equipment / asset performance data with the goal of achieving best practice performance.
- Work with the operating business to identify opportunities for improvement in efficiency, capacity factors and availability of plant and equipment.
- Conduct audits of maintenance performance to check the effectiveness of asset management and maintenance strategies.
- Support single points of failure analysis and adequacy of critical spares for equipment.
- Conduct and document Root Cause Analysis (RCA) of significant events to identify the underlying causes and suitable risk controls to prevent recurrence.
- Implementation of risk controls that involve plant or process changes. Such changes shall be implemented in compliance with the EDL Management of Change (MoC) process.
- Assist Operations with the ongoing development and refinement of long-term SIB Maintenance Plans including requirements for upgrades.

- Inspire, motivate, mentor and develop less experienced team members to be engaged, accountable and achieve best-practice in their respective disciplines.
- In addition to the duties set out above, the incumbent may be expected to perform other duties as assigned from time to time by the Company.

Person Specification

- Ability to work in a dynamic, changeable environment, including management of conflicting priorities in high pressure situations.
- High Level of accuracy and attention to detail.
- Knowledge of statutory Workplace Health & Safety requirements and safe electrical work procedures.
- Ability to participate in a multi-disciplined, multi-skilled work environment as a team player.
- Ability to demonstrate effective time management, organisational skills and disciplined work habits.
- Demonstrated initiative, motivation and high personal work standards.
- Committed and motivated to achieving Company and team goals and objectives.
- Strong written and verbal communication skill.
- Ability to communicate effectively with staff, contractors and other parties.
- Computer literacy using MS Word, MS Excel, CMMS experience.

Qualifications and Experience

- Electrical engineering degree with a minimum of 8 years' experience following graduation.
- RPEQ or near to obtaining RPEQ.
- Maintenance management and planning experience in power generation and/or gas processing industries.
- Experience in industrial power generation, protection and control systems area would be a distinct advantage.

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

To apply for this position, please send a 1-page cover letter and your current resume to hrvacancies@edlenergy.com quoting reference number VAC0325.

Applications open until the position is filled