



Title: Control Systems Engineer
Location: Brisbane or Perth, Australia
Function: Engineering
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 Operations Information Manager, the SCADA and Control Systems Engineer is responsible for providing SCADA and control system engineering for the maintenance and support of EDL's operational technology assets.

Key Responsibilities

- Actively promote and ensure own health and safety and the health and safety of others through understanding and implementing workplace health and safety obligations;
- Ensure that all designated duties are successfully carried out in accordance with safety, technical and legislative policies and procedures
- Liaise with and supervise third party contractors and vendors for maintenance and support of OT assets and issues
- Developing and maintaining documentation including QA/QC (Quality Assurance/Quality Control) standards
- Produce design and documentation to support the execution of projects/works including drawings (schematics, PLC IO, network diagrams etc.), work scopes, technical specifications and functional descriptions, data maps and test documentation.
- Integrate any relevant or required additional data from the projects/works into the Company's Operational systems, including but not limited to PI Historian Platform, Pronto, Training, Teambinder, Sharepoint.
- Utilisation of a helpdesk support system to log support requests, update details for tracking and close jobs
- Interact with other engineering/technical disciplines such as the Optimisation group, Asset Performance group and Technology group to assist with optimisation projects.
- Work closely with electrical and mechanical engineering disciplines in developing, maintaining and improving appropriate control systems for operational and project-based work in some or all of the following areas:
 - landfill gas power generation;
 - diesel fuel power generation;
 - gas fuel power generation;
 - CNG and LNG Plant;
 - power generation from coal seam methane gas;
 - hybrid, renewable generation; and
 - landfill gas piping systems and pipelines
- Provide control systems engineering expertise for effective problem solving and troubleshooting complex problems related to OT assets.

- Assist with the implementation of control system engineering standards for asset management, maintenance and projects, including drawings, documentation, and procedures.
- Development of contract scope of work, evaluation of tenders and management of variations as required
- Ensuring on-site compliance with EDL safety policies and procedures
- Monitoring changes to designs and assessing impacts on project/works costs
- Participate in risk management workshops to mitigate project/works risks to the business
- Assist with engagement and provide contractor management of external resources to support the execution of projects/works.
- Ensure compliance with the company's Job Safety Environmental Assessment (JSEA) requirements for non-standard work when undertaking work on site (either at site or via remote).

Qualifications and Experience

Essential

- Formal engineering qualifications at engineering degree level in Electrical engineering with a minimum of 5 years' experience following graduation in the electrical, control system, SCADA and OT space;
- Eligible for membership as Member of the Institution of Engineers, Australia, CPEng; and
- CPR/LV rescue
- Experience in application of controls and OT in industrial power generation environment – in particular reciprocating engines, small islanded and grid connected, load following/sharing and pre-emptive load shedding.
- Experience with at least 3 of the following:
 - Experience with Citect SCADA
 - Experience with ClearSCADA/Geo SCADA
 - Experience with Allen-Bradley PLCs
 - Experience with Schneider PLCs
- Experience with ethernet copper and fibre communications including design, specification, installation and troubleshooting.
- Good working knowledge of LAN, WAN and diagnostics and troubleshooting.
- Previous role in operations and maintenance
- Extensive experience using Microsoft Office

Desirable

- Member of the Board of Professional Engineers Queensland, RPEQ
- Experience with OSISoft PI platform

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

To apply, please send your current resume and cover letter to hrvacancies@edlenergy.com, quoting reference VAC0324.

Applications close Friday, 10 June 2022