



Job Description

Position: Controls Designer / Engineer **Location:** Victoria
Salary Range: \$70,000 – \$80,000 **Issue Date:** November 27th 2024

Position Summary

Our Controls Engineering team is seeking a Controls Designer/Engineer who understands control system projects, performs programming and commissioning, and provides technical support. You will ensure safe operations, handle documentation, and manage troubleshooting. We are looking for someone willing to build a career in a dynamic and growing industry.

Responsibilities

- Design, procure, schedule, and manage control system electrical projects in conjunction with our staff and client requirements.
- Perform onsite testing and commissioning (up to 40% time, annually).
- Work safely and efficiently on electrical systems in a variety of environments, including commercial, industrial, and utility;
- Provide technical support, as required, to clients and other staff.
- PLC and control system programming, testing, and commissioning
- HMI programming, testing, and commissioning.
- Communication system architecture design, testing and commissioning.
- Prepare project documentation including operation and maintenance manuals, control philosophy and drawings.
- Organize and participate in design reviews and project meetings with both internal and external stakeholders.
- Assist electrical Project Engineers regarding electro-mechanical interfaces and control/protection system interfaces.
- Assist with cost estimations and technical documentation for proposals.
- Provide creative and innovative control system and automation solutions.
- Liaise for the integration of electrical designs with control system designs.
- Analyze P&ID's and mechanical equipment.
- Specify and select electrical controls and communications equipment, review data sheets, prepare RFQ's and material requisitions.
- Interface with vendors, review vendor bids, conduct technical evaluations and make recommendations.
- Manage and schedule projects in conjunction with colleagues and clients' needs and demands.
- Field testing and commissioning work on control system equipment.
- Troubleshoot, repair, and/or replace faulty electrical control equipment and apparatus. • Technical report writing and completion of test sheets.

- Drive company vehicles for site visits, ensuring proper care and use of vehicles and equipment under your direction.
- Maintain a clean work environment.
- Desire to learn and research topics outside area of expertise to implement within new designs.

This description is not a comprehensive list of activities, duties or responsibilities that may be required. Other duties, responsibilities and activities may be assigned or may be changed at any time with or without notice.

Must Haves:

- Current registration, or eligibility for future registration, with Engineers and Geoscientists British Columbia (EGBC) as an engineer (EIT, P. Eng) or technologist (P.L. Eng).
- Minimum of 2 years with applicable experience programming in PLC or HMI (both touchscreen and desktop based) for industrial related processes • Excellent interpersonal and written communication skills
- Knowledge of CEC, CSA, and IEEE standards related to controls / automation.
- Knowledge of power distribution, switchgear, generation, and substations is an asset.

Preferred Skills:

- Knowledge of three phase power systems an asset.
- Detail and quality oriented
- Strong work ethic, leadership, willingness to learn, and open to instruction
- Experience with an ERP system (e.g., NetSuite) an asset
- Hands on field experience with electrical power equipment an asset
- Knowledge of power distribution, switchgear, generation, and substations is considered an asset.

Qualifications:

- Electrical or Computer engineering degree or diploma.
- Excellent MS Office skills.
- Valid Class 5 Driver's License and clean driving abstract
- Must be legally entitled to work in Canada.

Prime (a RESA Power Company) is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status.