



ENGINEER . IMPLEMENT . MAINTAIN

Prime Engineering is a full-service electrical engineering firm, head-quartered in Victoria, BC, specializing in medium and high voltage equipment design, commissioning, and power systems, electrical, and control system designs. Our talented staff is comprised of engineers, electricians, technicians, drafters and designers.

At Prime our client's trust is built on a history of responsiveness, client-first solutions, and our deep understanding of the industry. With a reputation for customer service excellence, we specialize in taking on unique challenges and delivering creative independent power solutions. We are committed to adding value to every project.

Our **Projects and Power Distribution** team is looking for an Electrical Engineer who is energized through solving challenging problems, values strong and lasting relationships with clients and co-workers, and wants to foster their career in a dynamic and growing industry.

Project Engineer / Project Manager

Job Type: *Full-time.*

Location: *Victoria, BC.*

Key objectives / accountabilities:

- Design, procure, schedule, and manage electrical projects in accordance with our staff and client requirements
- Work safely and efficiently on electrical systems in a variety of environments including commercial, industrial and utility
- Provide technical support to, and share knowledge with, clients and other staff
- Demonstrate leadership by representing Prime Engineering in a positive way both internally and externally, working to achieve overall company goals, consistently fostering teamwork, and taking ownership of all tasks you are assigned
- Satisfactory performance is defined by producing the highest quality of detailed and technical work, delivered on time, with exemplary client satisfaction

Responsibilities / duties

- Development and design of power distribution and transmission systems (HV/MV/LV), including single line diagrams, three-line diagrams, AC/DC schematics and communication systems
- Preparation of project documentation including operation and maintenance manuals, control philosophy, and drawings
- Organization of, and participation in, design reviews and project meetings with both internal and external clients
- Specification and selection of electrical equipment, preparation of data sheets, preparation of RFQ's, and material requisitions
- Perform engineering calculations and analysis for demand load, equipment sizing, voltage drop, motor starting, neutral grounding resistors (NGR's), and system power factor improvement.
- Interface with Mechanical design team

- Assist with cost estimations and technical documentation for proposals
- Design substation layouts, grounding layouts and electrical equipment layouts including control panels, lighting, cable tray, switchgear and components
- Interface with Vendors, review Vendor bids, conduct technical evaluations and make recommendations
- Prepare electrical cable schedules
- Technical report writing and completion of test sheets
- Manage and schedule projects in conjunction with colleagues and clients' needs and demands
- Track and be responsible for project costing and profitability
- Drive company vehicle for site visits, ensuring proper care and use of vehicles and equipment under your direction
- Maintain a clean work environment.
- Enthusiastically learn and research topics outside your area of expertise to implement within new designs
- Assist Power System Studies team, if required – as such the ability to perform engineering studies including, but not limited to, Load flow, Short Circuit, coordination, Arc Flash, ground grid and motor starting analysis would be considered an asset
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Qualifications

Required

- Electrical engineering degree or equivalent qualification
- Registration, or eligibility for registration, as a Professional Engineer, EIT, or equivalent with EGBC, is required
- Excellent knowledge of three phase power systems
- Knowledge of CEC and IEEE standards
- Knowledge of power distribution, switchgear, generation and substations
- Proficient in all applications of MS Office
- Excellent interpersonal and written communication skills
- Willing and able to work out of town as needed
- Valid Class 5 Driver's License
- Clean Driver's Abstract
- Must be legally entitled to work in Canada