



## ENGINEER . IMPLEMENT . MAINTAIN

Prime Engineering is seeking to fill a Project Designer / Engineer position for a motivated and hardworking person keen to join a dynamic and growing company.

With a reputation for customer service excellence, Prime Engineering specializes in taking on unique challenges and delivering creative independent solutions. Our experienced staff deliver top quality electrical design and services, with a focus on the supply, design and commissioning of electrical projects.

If you thrive in a fast-paced environment, working with a culture that values innovative problem solving, you'll love working at Prime. Join our growing firm based in Victoria BC, which affords our staff the best work location, climate, and lifestyle opportunities found anywhere in Canada.

### **Project Designer / Engineer**

#### Duties and Responsibilities:

- Manage and schedule projects in conjunction with colleagues and clients needs and demands
- Develop and design of power distribution and transmission systems (HV/MV/LV), including single line diagrams, three line diagrams, AC/DC schematics, control schematics, wiring diagrams, building systems layouts, substation, switchgear and communication systems.
- Create and test electrical protection relay settings
- Create and test AVR settings
- Complete power system studies including but not limited to: Load flow, Short Circuit, Coordination, Arc Flash
- On-site commissioning and testing of electrical installations
- Troubleshoot protection and control systems both in remote and on-site environments
- Provide assistance to controls designers/engineers regarding electrical and protection equipment and other project related interfaces
- Specify and select electrical equipment and services, prepare data sheets, prepare RFQs, review quotations, prepare purchase orders
- Interface with Vendors, review Vendor bids, conduct technical evaluations and make recommendations.
- Design substation layouts, grounding layouts and electrical equipment layouts including control panels, lighting, cable tray.
- Prepare electrical cable schedules
- Prepare project documentation including operation and maintenance manuals, protection philosophy, project design basis and other related drawings
- Provide technical support to fellow team members and clients as required
- Prepare written technical engineering reports on various electrical design related topics
- Assist with cost estimations and technical documentation for proposals
- Desire to learn and research topics outside area of expertise to implement within new designs
- Represent Prime Engineering Limited in a positive way both internally and externally
- Foster teamwork both internally and externally with the client and the client's vendors
- Work to achieve overall company goals
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Qualifications:

- Diploma or Bachelor Degree in electrical / industrial controls
- Experience dealing directly with clients or client's vendors
- Self-directed
- Strong team skills
- Excellent MS Office skills
- A condition of employment for this position is that you maintain a valid Driver's Licence
- Previous experience with medium and high voltage installation an asset but not required
- Previous experience with hydro-electric generation protection and excitation systems an asset by not required
- Previous experience with electrical power equipment commissioning an asset but not required

Additional Information:

- Position is based out of Prime's Victoria, BC office.
- Position reports to Manager, Generation and Renewable Energy
- Position has no direct reports
- Position requires remote camp-based site work for extended periods of time (6-8 weeks)