



**PACIFIC
POWERTECH** Inc.



**GROUND-IT
CONSULTING** LTD

JOB OPPORTUNITY

Intermediate-Senior Electrical Engineer / Senior Project Manager

The Company

Since 1994, Pacific Powertech Inc. has been providing high voltage power systems testing, commissioning, maintenance, grounding, engineering, consulting, troubleshooting and follow up services in Western Canada. Our flagship office is in Port Coquitlam with satellite offices in Kelowna and the West Kootenays. We have built our company on a reputation of providing top quality services to large industrial, commercial, and utility clients with designated departments for each area of expertise. We are also a full NETA and IBEW member company, which sets us apart from others in the industry.

The Culture

Pacific Powertech prides itself in maintaining and growing an inclusive, supportive, and open-door company culture between all field and management departments. Our goal has always been to provide a working environment and platform where our employees can showcase their set of skills, experiences, and most importantly, their interests. We also offer our employees the opportunity to learn and expand their technical and industry knowledge in various field and office applications.

The Position

The successful candidate will join a fast-paced and growing engineering department that is looking to sustain and grow with the needs of our expanding cliental. The Intermediate to Senior Electrical Engineer will work in a variety of different facets including:

- Power System Studies
 - Short-Circuit Studies
 - Arc Flash Hazard Incident Energy Analysis in accordance with CSA Z462-18 and IEEE 1584-18
 - Coordination Studies
- Load/Demand Studies
- Feasibility Studies
- Ground Grid Design & Interpretation of Field Test Data
- Switchgear Protection System Design & Commissioning
- Substation Protection System Design & Commissioning



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Responsibilities:

- Development and design of the power distribution and transmission systems (HV/MV/LV), including single line diagrams, three-line diagrams, AC/DC schematics and communication systems
- Working with larger industrial & commercial clients to produce electrical lock-out procedures.
- Assistance on Electrical Safety Programs for large industrial clients.
- Perform engineering studies including but not limited to:
 - load flow
 - short circuit
 - coordination
 - Arc Flash
 - ground grid
 - motor starting analysis
- Engineering calculations and analysis for demand load, equipment sizing, voltage drop, motor starting, neutral grounding resistors (NGR's), and system power factor improvement
- Create quotes and proposals for future projects/RFPs
- Provide support to our existing engineering staff as well as our field service division.
- Technical report writing and completion of test sheets
- Track and be responsible for project costing and profitability

NOTE: Other duties and/or responsibilities may be assigned/changed as demand varies.

The Qualifications and Skills

- Electrical engineering degree or other applicable certification
- Registration as a Professional Engineer or Engineer-in-Training in BC, or eligibility for registration with EGBC is required
- Knowledge of three phase power systems
- Knowledge of CEC, CSA and IEEE standards applicable to our line of work
- Excellent knowledge of power distribution, switchgear, generation and substations
- Proficient in ACAD Electrical. Knowledge of ACAD 3D ideal.
- Proficient with using SKM or ETAP engineering software.
- Excellent Microsoft Office skills (Word, Excel, Powerpoint)
- Willing and able to work out of town as needed (rare for this position)
- Valid Class 5 Driver's License & clean driver's abstract
- Must be legally entitled to work within Canada



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- Proficient written and verbal skills and can communicate at a high or low technical level dependant on the customer.
- Ability to adapt to a fast-paced industry with large work demand.
- Self-motivated and detail orientated.
- Ability to take ownership of one's work and see projects through.
- Ability to work in a team environment.

The Benefits

Pacific Powertech always strives to provide a fulfilling and engaging work environment with fair compensation. We create the platform for our team to maintain and grow both in the professional and personal domains. Below are just some of the great benefits we provide to our team:

- Highly competitive salary.
- Industry leading and selectable union group benefit plan packages.
- Canadian union pension as well as RRSP/GSRP plans.
- Length of service, employee referral and new clients award programs.
- Compensated travel time and out of town living allowances.
- Ability to expand professional knowledge and development.
- Personalized attention to each employee and their goals.
- Flexible schedule and location of work.
- Company staff functions and events.

If you are interested in joining our industry leading team at Pacific Powertech, please send us your resume via email to jpapp@pacificpowertech.ca or visit our office at 110-2071 Kingsway Avenue, Port Coquitlam, BC.

We look forward to your new career with us!