



The Power of Trust. The Future of Energy.

Electrical Engineer for the High Power Lab

Powertech Labs Inc, BC Hydro's subsidiary that specializes in energy research, consulting, testing, and systems integration, has been serving power utilities, oil and gas companies, automotive, and electrical utility equipment manufacturers since 1989. We operate as a separate, unregulated, for profit, commercial company. In addition to providing innovative R&D, consulting, and testing services to BC Hydro, Powertech provides most of its services to a large and diverse suite of clients across North America, and around the world. Powertech is located on an 11-acre campus in Surrey, British Columbia and has 200+ employees. Our reach and reputation are global, and we are recognized as a leader in technology, testing, and power systems software. Our location places us close to BC Hydro, 25 kilometers from the US border, and at a gateway between Asian and North American markets. Finally, we are located in one of the most desirable locations on the globe, with all the natural beauty of British Columbia on our doorstep. We call this home.

Powertech's brand and reputation command a dominant position in the power industry. To better serve our clients, we group our services under six market-oriented sectors: Generation, Transmission and Distribution, Substations, Power Systems, Grid Modernization and Advanced Transportation. Powertech's competitive advantage is enhanced through close collaboration between all sectors.

The company's staff consists of professional engineers, scientists, technologists, and technicians from a wide range of disciplines, as well as a wide range of professionals within the central corporate functions. These highly skilled individuals have access to 21 well-equipped, specialized laboratories. Together, our resources allow us to offer a range of forward-looking technology services to help clients advance technology, solve complex problems, and maximize asset performance.

We are a customer-focused organization here to ensure our customers have high confidence in our services. To this end, we attract and hire the best resources, are highly responsive and constantly strive to improve the quality and value of our services.

Role Overview

Reporting to the Senior Manager of the High Power Lab, the successful candidate is expected to:

- Lead complex projects or components of projects including scheduling work and tracking costs in accordance with company's quality controls and leveraging company resources and processes
- Promote Powertech services to existing and potential clients that will include addressing requests for technical proposals from clients, cost estimates, and work schedules
- Develop innovative engineering techniques and apply theoretical and practical knowledge in testing, analysis and problem resolution

- Lead failure analysis investigations and have technical oversight for test procedures to ensure accuracy, achievement of required results and adherence to accepted engineering practice.
- Oversee the maintenance and improvements of laboratory equipment and operations with emphasis on achieving high quality and cost-effectiveness
- Investigate, analyze and solve a variety of engineering problems, many of which are of a more challenging and unusual nature.
- Maintain professional relationships and communication with other departments, outside consultants, contractors and suppliers in order to effectively and efficiently gather and relay information and resolve issues of concern

Qualifications

- A recognized degree in Electrical Engineering. An advanced degree in Power Engineering or related areas is preferred.
- Minimum of four (4) years' experience in leading Electrical tests and progressive specialized expertise in the planning, preparation and execution of tests and equipment condition assessment.
- Preference will be given to candidates with knowledge of the fundamentals of transmission and distribution equipment design, operation and electrical testing.
- Registered as a Professional Engineer with the Engineers and Geoscientists of B.C (EGBC) for at least two (2) years.
- Demonstrated technical writing and presentation skills; excellent communication, organizational and interpersonal skills.
- Knowledge of project management, including cost control and project administration.

Performance Competencies

- Demonstrated knowledge about safety in laboratories and the field.
- Excellent customer service skills with ability to envision "walking in the customers' shoes"
- Excellent verbal and written communication skills
- Excellent decision making capabilities
- Excellent detail-oriented, problem solving skills
- Good aptitude for marketing and client contacts

Location: Surrey B.C.

Job Status: Full-Time Regular

Compensation & Benefits: Powertech Labs Inc. offers a very comprehensive total rewards package based on a healthy work/life balance.

Close Date: November 28, 2021

The successful applicant may be required to work days outside of a typical work week, such as a Tuesday to Saturday Shift.

Please be advised that these roles have been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment.

All successful candidates will be required to provide proof of full vaccination against COVID-19 prior to commencement of employment.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

To apply and to obtain more information on Powertech Labs Inc. visit our website at <http://www.powertechlabs.com>