

Senior Electrical Engineer – High Voltage Laboratory

Powertech Labs Inc is a cleantech company with the mission of being a trusted innovation partner providing solutions, specialised testing, and technical expertise for a safe and sustainable global energy future. Powertech has a global reputation for delivering transformative solutions in both the electric power industry as well as the transport sector. A clean future will be driven by electric and hydrogen power, and we will help get there.

We are always guided by our values as a global clean-technology and engineering company:

- **Safety:** This top everything. We do our work safely or we do not do it at all.
- **Challenges:** We ready ourselves for the hardest challenges – through attaining accreditations, developing industry-leading innovative products & services, investing in our labs, hiring great people, and making them better.
- **Diverse Teams:** We are strongest together and capitalize on our varied attributes – together we are more than the sum of parts.
- **Our customers:** Customers fuel this company, and we constantly work with them to earn and retain their trust and loyalty. We expect that our customers hold us accountable to our commitments.
- **Excellence:** Striving for excellence, acting with integrity, and having the highest standards in quality are core to what we do.

Reporting to the Division Manager, the selected candidate will be expected to lead tests in the High Voltage Laboratory, perform failure analyses in the Lab and in the field, provide business direction to leadership, lead lab maintenance activities, troubleshoot and mentor junior team members.

Responsibilities include establishing an understanding of the global industry trends, developing a long-range strategy, and operationalizing this plan to ensure continued customer engagement and support, growth and day-to-day operational excellence.

The selected candidate will engage both OEM and utility customers from around the globe, identify and develop new service offerings to meet emerging and market needs and collaborate with market participants to advance technology and the associated industry standards. With a relentless focus on quality, the incumbent is expected to pursue policies and activities that constantly raise the quality accreditation and performance of the sector. It is an asset if the candidate has a demonstrated history of participating in national and international forums on relevant technical areas. Authoring and presenting technical publications is seen as important to maintaining and growing this sector's profile.

Technical

- * Lead and execute high voltage laboratory and field tests according to client specifications, international standards and laboratory procedures.
- * Perform failure analyses of high voltage equipment in the laboratory and in the field.
- * Maintain and troubleshoot lab equipment as needed and mentor and coach technicians during troubleshooting
- * Perform quality assurance field inspections of new and existing installations.
- * Engage effectively with clients to ensure the highest level of customer service is achieved.
- * Introduce new test methods and services to Powertech's portfolio.
- * Develop an industry-level expert role in developing High voltage standards, practices and procedures.
- * Actively grow the sector's ISO/IEC17025 accreditation and aligning with the company wide ISO

9001 and ISO 14001 accreditation.

- * Represent the High voltage lab around the globe during trade shows, standards committee meetings and conferences; this position may require both local and international travel.
- * Develop skills to act as a subject matter expert for high voltage testing and equipment.
- * Create test proposals and costing for various testing by reviewing associated test standards in a timely manner.

Teamwork

- * Foster relationships across Powertech to utilize all of the company's resources for our clients.
- * Review and align with the broader corporate objectives such as safety, quality and environment management.

Leadership

- * Lead quality, safety and maintenance improvements in the lab while ensuring all equipment are maintained properly and guide the team accordingly.
- * Provide input and recommendations in the budget, work planning and resource allocation processes for the sector.
- * Exercise a high degree of independent judgment to solve highly complex problems that have an impact across sectors and include customers, technology, financial planning, and staffing.

Qualifications

- * Electrical engineering degree from a recognized University; Post grad degree in a relevant discipline would be an asset.
- * Minimum Eight years of experience in one or more of the following broad fields: high- voltage laboratory testing (e.g. distribution or transmission voltage class), high voltage equipment failure analysis, high-voltage field testing and commissioning, Transmission and distribution operations and maintenance practices.
- * Registration or ability to immediately register as a professional engineer with the Engineers and Geoscientists of BC (i.e., non-British Columbia registrations are acceptable as long as there is an ability to immediately transfer the accreditation).

Performance Competencies

- * Demonstrated rigor in modeling awareness and behaviours for working safely in laboratories and the field.
- * Strong experience in writing and editing test reports.
- * Excellent decision making and problem solving skills; the position requires prudent technical and business risk-taking.
- * First-hand knowledge of the high voltage OEM market participants is a desirable asset.
- * Demonstrated ability to manage the successful implementation and delivery of services and products to clients.
- * Demonstrated commitment to quality including experience with ISO 9001, ISO 14001 and ISO 17025.
- * Entrepreneurial and a proven track record in matching market information with an evolving service offering.
- * Demonstrated ability to manage and execute a portfolio of projects covering all technical, resource and financial aspects.
- * Excellent verbal, written and interpersonal communications skills including the ability to build successful relationships, make presentations to technical and non-technical audiences and liaise with peers in industry.

- * Impart engineering knowledge and encourage the professional development of engineers.
- * Be able to work under pressure and multitask to deliver high quality outcome.

Job level: P3, Full time Regular

Candidates with lesser qualifications may be considered for a lower-level role.

As part of the selection process, applicants may be required to complete a written test/ assessment and/or a presentation as part of the interview process.

A condition of employment for this job is that you maintain your Driver's License (Class 5) in good standing.

Please be advised that this role has been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment.

This role is concurrently advertised in our internal and external job boards.

ALL CANDIDATES ARE REQUIRED TO ATTACH A COPY OF THEIR COVER LETTER, RESUME, DIPLOMA/DEGREE, ACADEMIC TRANSCRIPTS & PROOF OF PROFESSIONAL DESIGNATION.

Note that applicants are required to submit/upload a copy of their College transcripts and Diploma as proof of post-secondary graduation. If applicable, a copy of your work visa is also required.

INCOMPLETE OR LATE APPLICATIONS CANNOT BE PROCESSED. This will ensure we have all the necessary information to assess your application without any delays.