

## External Job Posting

**Job Type:** Full Time, Salary Based

**Location:** Toronto, Vancouver, Ottawa, or Edmonton

**Position:** Junior-Intermediate Electrical Engineer

**Number of Positions:** 1

**Start Date:** ASAP

FVB Energy Inc. is an integrated, global engineering firm that has been at the forefront of district energy innovation since our offices opened in 1980. Now, over 45 years later we have become one of the largest dedicated District Energy engineering consultant companies in North America and are recognized world-wide as setting the standard for International Best Practices in District Energy, Decarbonization, Steam-to-Hot Water Conversion and Combined Heat and Power (CHP). With offices in Toronto, Vancouver, Edmonton, Ottawa, Minneapolis, Washington DC, London (UK) and multiple offices in Sweden, FVB combines a global presence with local solutions.



### District Energy is Our Business – Our Only Business

This focus has given us a wealth of knowledge on how to best approach every phase of a project. FVB's successful track record of engineering and business experience includes everything from conceptual and detailed design to implementation and operational support, with hands-on experience in a variety of technologies and solutions. FVB has executed numerous district energy systems (DES) projects, and guided municipalities, communities, and campuses in the creation of over 75% of the district energy systems operating today in North America. We have extensive experience working with system owners to transform and modernize their district energy system infrastructure, from pre-feasibility stages to design and construction support, operational support, and supporting asset replacement strategies.

#### What we offer:

- Competitive salary commensurate with experience
- Company share ownership program
- Comprehensive extended health benefits & a wellness spending account
- Bonus program
- Professional dues paid & continuing education benefits
- Opportunities for growth & professional development
- Access to a diverse team with varied experience and knowledge
- Hybrid work arrangements

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### **Job Summary**

The paramount goal of our company is to use our experience and expertise to help clients make wise technical and business decisions about production and use of thermal and electric energy in a way that minimizes or eliminates carbon emissions. We are heavily focused on analysis, planning and design for decarbonization of district energy systems. FVB provides a unique and specialized resource to meet client needs because we combine deep engineering experience with an extensive understanding of the business and financial elements of sustainable energy systems.

FVB are seeking a talented Electrical Engineer to join our growing team in one of our Canadian offices (Toronto, Vancouver, Ottawa, Edmonton) with preference being given to our Toronto and Vancouver offices. The ideal candidate will have a basic background in electrical design, with practical experience in AutoCAD 2D/3D and a basic understanding of the Canadian Electrical Code (CSA).

The position requires a candidate who:

- Is comfortable working on multiple projects at different stages at any given time
- Possesses excellent communication and time management skills
- Is self-motivated and able to work as part of a team or individually

### **Duties**

- Develop detailed electrical designs (under senior electrical engineers' supervision) for substations and industrial plant including all electrical SLD's, electrical layouts, and panel schedules using AutoCAD (2D/3D). Revit experience is a plus.
- Review designs to comply with CSA electrical codes and standards.
- Perform sizing for cables, breakers, and other electrical components.
- Verify electrical clearances and adherence to design specifications.
- Coordinate design work with mechanical designers and other engineering disciplines to ensure integrated and clash-free designs.
- Collaborate with engineering, project management, and construction teams to ensure designs are practical and constructible.
- Provide technical support during project execution.
- Assist in developing and designing Piping & Instrumentation (P&I) systems, instrumentation, and control schematics (an asset).
- Prepare and issue equipment tender packages, assist in the tender process, bid evaluation and recommendation reports
- Conduct site visits for construction supervision and project commissioning services and issue reports
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### **Preferred Qualifications**

- Diploma or Bachelor's degree in Electrical Engineering or Electrical Technology.
- 2-5 years min. of experience in electrical design (junior to mid-level).
- Registration with provincial engineering regulatory body (i.e. PEO or EGBC) as an EIT/P.Eng. or eligible for registration.

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- Eligible to obtain at a minimum reliability security clearance
- Highly skilled in AutoCAD 2D/3D; Revit experience is an advantage.
- Strong understanding and working knowledge of relevant industry codes and standards, Ontario Building Code, Canadian Electrical code.
- Understanding of basic sizing requirements for cables, breakers, and other electrical equipment plus basic understanding of clearances and general electrical design requirements.
- Basic experience developing electrical layouts and panel schedules.
- Strong communication skills and ability to work in a collaborative team environment.
- Basic experience in Piping & Instrumentation (P&I) design, instrumentation, and control is a plus.
- Knowledge or experience working with Easy Power ETAP Software (or other similar programs)

### **Salary Information**

Salary is commensurate with experience and skill. FVB offers a comprehensive benefits package and hybrid work options to all full-time employees. FVB is proud to be an employee-owned company and employee ownership is highly valued at FVB.

Salary Range: \$70,000-\$100,000

### **Our Commitment**

FVB's environmental social and governance policies support our corporate commitment to sustainability for our projects, procurement processes, and people. For more information, visit: <https://fvbenergy.com/who-we-are/environmental-social-and-governance/>

### **Disclaimer**

The preceding position provides a general overview and level of work to be performed. It is not a detailed job description or a complete listing of all duties, responsibilities and qualifications required for this position.

If you are interested in working for FVB Energy Inc. please email your resume with covering letter, subject heading "**FVB Electrical Engineer**" to: [careers@fvbenergy.com](mailto:careers@fvbenergy.com)

*We thank all candidates for showing interest in this position, but only those selected for an interview will be contacted. No agencies or phone calls please.*