

## External Job Posting

**Job Type:** Full Time, Contract (12 months)  
**Location:** Toronto, Ottawa  
**Position:** Electrical Designer/Draftsperson  
**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 compensation commensurate with experience
- 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 Designer/Draftsperson to join our growing team in one of our Canadian offices (Toronto, Ottawa). 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.
- Perform basic 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).

### Preferred Qualifications

- Completion of a 2-3-year Diploma with Electrical Engineering Technology/Technician (or other relevant post-secondary education in Electrical Engineering)
- 1-5 years min. of experience in electrical design
- Eligible to obtain CET designation or registration with provincial engineering regulatory body (i.e. PEO) as an EIT/P.Eng. .Registration is considered as asset but not mandatory.
- Eligible to obtain at a minimum reliability security clearance.
- Proficient with Microsoft Office, Revit, AutoCAD/P3D (2D and 3D).
- Strong understanding and working knowledge of relevant industry codes and standards, Ontario Building Code, Canadian Electrical Code.

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- 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) is an asset.

### **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 Designer**" 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.*