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Position: Junior Mechanical Technologist  
Location: Burnaby, BC

***Are you looking for a different energy career?***

FVB Energy Inc. is a leading consulting engineering firm specializing in district energy and combined heat and power (CHP) systems, with offices in Minneapolis (USA), Toronto, Vancouver, Ottawa and Edmonton (Canada).

FVB is committed to aiding communities and institutions find the right alternative energy solutions for their present and future needs. We believe in district heating, district cooling and cogeneration and how they connect communities and institutions to a host of energy, environmental and economic benefits.

We are looking for a junior mechanical technologist with a sound design and AutoCAD drafting background and the ability to fulfill various roles within a project. Our specialist team of engineers have a genuine interest in using environmentally responsible energy sources such as combined heat and power, biomass, and waste heat recovery.

Summary

The FVB Burnaby office is looking for a candidate who has experience with industrial plant mechanical processes, piping layout, and drafting competency using AutoCAD. The candidate must be comfortable working in a fast-paced, deadline-oriented, team environment, as well as on individual tasks. As an employee of FVB Energy, the successful candidate will apply accepted engineering principles to design initiatives. 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

- Assist the mechanical engineering team in the technical design of thermal energy plants, distribution piping and building interfaces.
- Prepare design drawings using AutoCAD under the direction of the engineering team.
- Assist with preparation of feasibility studies
- Support estimating and costing of projects
- Support completing specific design tasks:
  - Hydraulic analysis of buried piping systems
  - Small equipment selection (heat exchangers, pumps, piping, control valves)
  - Design calculations (pipe and duct sizing, annual energy consumption calculations, etc.)
  - Preparation of construction and tender documents for small projects
- Assist in the preparation of specifications and drawings for large projects
- Assist with administrative duties including mailing, couriering, and filing.



Toronto

Edmonton

Vancouver

Ottawa

Minneapolis

Stockholm

Västerås

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### Minimum Experience / Education Requirements

- Diploma in Mechanical Engineering or equivalent
- Eligibility for registration as an Applied Science Technologist or Graduate Technologist in British Columbia
- Thorough working knowledge of AutoCAD is mandatory, including experience working in AutoCAD 3D.
- Previous experience in an engineering position, preferably in the HVAC or energy industry, would be an asset. Good understanding of building HVAC and related mechanical systems (pumps, piping, boilers, heat pumps, etc.) would be beneficial.
- Practical field experience in the construction of plants and installation of process equipment would be beneficial.
- Proficiency working in a Microsoft Office environment.
- Good written and oral English communication skills.

### GENERAL

#### Location of work:

The majority of the design work will be performed at FVB's offices in Burnaby and on local construction sites. It is likely that some travel will be involved within Canada from time to time.

FVB offers a competitive salary package based on experience.

If you are interested in a forward-thinking career working with like-minded individuals, please submit your CV and cover letter by email with the subject heading "**Burnaby Technologist**" to.

Email: [careers@fvbenergy.com](mailto:careers@fvbenergy.com)

Please no agency referrals or phone calls. FVB will only contact those individuals selected for an interview.

Website: [www.fvbenergy.com](http://www.fvbenergy.com)



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