

Junior Electrical Design Engineer / Technologist



Energy Efficiency and Renewable Energy generation designs are in high demand and we are responding by adding talented and driven individuals to our building engineering team. The Vital Engineering team is a key element of our energy centric group of companies and operates under the Vital Group of Companies (VGOC) banner. VGOC is an innovative vertically integrated energy consultancy with operations in Sherwood Park and Calgary.

To support our rapidly growing market, Vital Engineering is seeking an enthusiastic and motivated Junior Electrical Engineer (EIT) or an Electrical Technologist to join our team of professionals. The opportunity to join an established Alberta wide energy consulting firm will provide exposure to interesting, challenging and very rewarding projects in a dynamic and enjoyable environment.

Position Purpose: We are seeking either a junior Electrical Engineer (EIT) or an Electrical Technologist with a background in buildings electrical design (Commercial, Institutional, Social Infrastructure). You will work closely with the management within the Electrical group, assisting with delivery items on various projects, and contributing to the technical competence and production requirements of the discipline.

DUTIES AND RESPONSIBILITIES:

- Work with the Team lead/ Project Manager/ Engineering Manager
- Communicate effectively with the Project Manager; this includes collecting and coordinating useful information.
- Maintain a healthy working relationship with other staff
- Participate in discussions with client, as required.
- Assist in technical report writing
- Prepare engineering design, specification and/or recommendations for a variety of the following: control systems, grounding, hazardous area classification, high, medium, and low voltage power systems, life safety systems (fire alarm / nurse calls), lighting systems, low tension building systems engineering, low voltage power systems, security systems, commissioning of electrical systems, energy analysis and management, actively perpetuate and clarify the companies culture and values
- Preparation of the following project documentation: addendums, change orders, equipment supply contracts, change orders, site instructions, stipulated & unit price contracts
- Employees are required to adhere to the company policies and practices in effect at any given time (don't worry, most of it is just common sense)

EDUCATION:

- Bachelor's Degree in Engineering, Electrical Engineering Technology Diploma, Engineering Design & Drafting Technology Diploma

QUALIFICATIONS:

- 2 to 4 years' experience with buildings electrical design (commercial, institutional, social infrastructure).
- E.I.T. (working towards a P.Eng.) or Technologist in Training (ASET)

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- Good interpersonal skills; a person who listens well, respects diversity of opinions and has an open, clear and succinct communication style.
- Effective organizational and time management skills in handling multiple projects, performing a variety of tasks, and meeting required deadlines.
- Ability to represent the company to the staff, clients and community by ensuring the best image is presented.
- Application knowledge of Vitals' systems and programs (MS Office, AutoCAD, Revit, Revit MEP, AGI 32 Software)
- Ability to write basic field inspections and technical reports
- Demonstrate a working knowledge in energy analysis and management, grounding, hazardous area classification, heat tracing systems, high and medium low voltage power systems, life safety systems, lighting systems, low tension building systems engineering, low voltage power systems, low tension building systems engineering, security systems.
- Maintain a basic understanding of specification preparation: Div 1 General, Div. 15 Mechanical Specifications, Div 16 Electrical Specifications.
- Developing competency in emergency power systems; generators, UPS, communication systems.
- Proven competency in basic electricity.
- Developing competency in emergency power systems; generators, UPS, communication systems.
- Work towards a competency in engineering calculations with accurate, clear design notes.
- Understand the process for tracking correspondence and work method preparation.
- Able to interpret; basic multi-disciplinary drawings, basic plan and profile drawings.

If you feel you are motivated to drive change and have the right skill-sets to be a part of our team, please email your resume and cover letter to hr@vgoc.ca and put the job title in the subject line. We thank all candidates whom apply however only those selected for the interview process will be contacted for the next steps in our recruitment process.

Vital Engineering is a part of the Vital Group of Companies. At Vital Group of Companies, we create and implement pragmatic energy solutions that balance leading energy and environmental practices with the unique needs of our clients by utilizing the specialized multi-disciplinary expertise of our companies. www.vgoc.ca