

Senior Electrical Engineer



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 Senior Electrical Engineer 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.

The candidate is required to work well both individually and within a dynamic engineering team. Your exceptional organizational skills will help you prioritize tasks and you will be responsible for managing deliverables. Your high standards and attention to detail are reflected in your work and the result is a quality design. This immediate full-time position will expose the candidate to commercial, institutional, industrial, educational, and government projects in a sector with unparalleled opportunities for career growth and development.

As the **Senior Electrical Engineer**, you will be responsible to design systems that align with building project requirements, provide technical guidance to your colleagues and successfully coordinate design projects within the terms established with the customer. You will have the authority to design systems within the project plan, and in alignment with regulatory requirements.

DUTIES AND RESPONSIBILITIES:

Planning

Responsible to establish accurate and up-to-date information relevant to the project requirements:

- Gather relevant information drawings from client
- Collect as built information, as required, for development area

Design

Responsible to oversee creation of design plans, drawings, specifications and estimates for Electrical systems:

- Validate calculations
- Ensure system requirements are achieved through design
- Verify material and equipment appropriateness
- Revise design as required
- Validate design
- Submit to appropriate municipal authority for review

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Document Management

Responsible to ensure that project records are maintained:

- Guide project team towards maintaining up-to-date records
- Review records periodically to ensure that they encompass all relevant documents which include; all correspondence, such as email, letters, follow-up emails, crm data, and voice messages

Project Management

Responsible to manage the successful and timely completion of individual/team projects, encompassing the following activities:

- Demonstrate an understanding of work requirements by committing to reasonable deadlines
- Management of project resources towards meeting deliverables within the project's allotted time and schedule
- Demonstrate awareness of project scope by accurately determining situations where schedules and/or fees need to be renegotiated
- Assignment of roles, coordination of project team and review of completed assignments.
- Self-direction and team direction towards maintaining a productive work schedule
- Presentation of project progress at routine project review meetings, including progress to date, needs and questions, potential risks and issues
- Coordination of project team meetings, both internal and external, as necessary to maintain team communication through project span
- Review invoicing and receivables for projects, ensure accuracy
- Communicate with client regarding project progress, payment issues and critical project elements as required
- Preparation for and participation in meetings and/or presentations to the customer
- A focus on the customer's needs, with appropriate resolution, reporting or escalation of issues that may jeopardize project success

Construction Administration

Responsible to support client's information needs through the span of the building project by responding to questions from various personnel, including the municipal authority, the architect and/or the site supervisor

Mentorship

Responsible to provide technical support to other team members, including the following:

- Encourage and support team members to tackle project tasks of increasing complexity
- Foster team members' development through:
 - Sharing of expertise
 - Guidance, training and support

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Learning

Responsible to further knowledge and experience relevant to an area of specialty within Vital Engineering's core service offerings. This would include:

- Remaining abreast of current trends
- Maintaining knowledge of governing regulations/recommendations
- Willingness to tackle new assignments and approach overall systems designs with openness and creativity

Team Support

Responsible to participate as an active team member, which may include:

- Completion of project tasks in support of other team members, as necessary.
- Committing to personal and professional skill development for increasing success and competency
- Adhere to the company policies and practices in effect at any given time

QUALIFICATIONS:

- Professional Engineer (P.Eng.) and a current member in good standing with APEGA
- A minimum of 10 years of related electrical consulting engineering experience in the commercial building sector
- Excellent organizational, computer, and communication skills
- Knowledge of design techniques, tools, and principals involved in production of precision technical plans, blueprints, drawings, and models.
- Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
- Skilled at using software such as Microsoft Office software including Word, Outlook and Excel, AutoCAD, Revit. Experience with ETAP and AGI32 design software packages are also desirable.
- Technologically savvy to complete proficient amounts of detailed work.
- Skilled at using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
- Skilled at giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
- Skilled at understanding the implications of new information for both current and future problem-solving and decision-making.
- Skilled at communicating effectively in writing as appropriate for the needs of the audience.
- Skilled at identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
- Able to communicate information and ideas in speaking so others will understand.
- Able to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).

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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