

Job Title: Substation Engineer (Experienced)

Department: Electrical Engineering - Energy - Substations, Transmission and Distribution

Job Category: Engineering

Status: Regular employee

City: Vancouver

Reference Number: 2011-600-0952

Role:

BBA is a Canadian consulting engineering firm offering services with a high level of expertise, notably in the Energy and Mining & Metals sectors. We are seeking a seasoned engineer with a good level of knowledge and relevant technical experience in medium and high-voltage electrical substation design to join our team.

We have over 700 employees across Canada with offices in British Columbia, Newfoundland, Ontario and Quebec. The current opening is for the 30 person and growing Vancouver office that is located downtown.

This is a rare opportunity to directly contribute to the company's growth and development in western Canada in a privately owned, successful corporation. We offer the flexibility, career potential and direct impact to the value chain of a growing company combined with the opportunities and support of a large corporation. In 2010 and 2011, BBA was one of Aon Hewitt's best employers in Canada, and is among Canada's 50 Best Managed Companies. For more information visit us at www.bba.ca.

Description:

Your role will be to participate in proposals and in the management and execution of engineering projects involving medium and high-voltage electrical installations. You will participate in the definition and execution of projects at our client sites. You may be called on to carry out pre-feasibility and feasibility studies as well as detail engineering. You will also participate in the development of master, modernization and refurbishment plans for our clients with existing installations.

Skills:

Our Vancouver office is small and growing, so a successful candidate should be:

- Client-oriented;
- Proactive, take initiative and have creative and innovative problem-solving skills;

- Able to deal with uncertainty and ambiguity;
- Adaptable to various environments and situations;
- Responsible for and interested in career growth and development;
- Strongly interested in building an experienced team.

Some of the activities required in this role are to:

- Participate in and manage the preparation of proposals;
- Conduct detailed design of substations including single line diagrams, switchyard layout, detail and elevations, grounding grids, cable and conduit routing, calculation notes, etc.;
- Participate in and manage the execution of projects involving medium and high-voltage substations, for industrial clients, public utilities and energy producers;
- Determine costs and material quantities of designs;
- Carry out project management (costs, deadlines);
- Provide direction and guidance to the civil Engineering Department to secure project civil/structural requirements;
- Write technical equipment and construction specifications;
- Do on site construction coordination and supervision;
- Transfer technical knowledge to young engineers, training and mentoring to help us prepare the next generation of technical experts.

Requirements:

We are seeking candidates with the following knowledge and experience:

- Bachelor's in Electrical Engineering, or another relevant field, member in good standing of APEGBC;
- 5 - 10 years of professional experience, primarily in medium and high-voltage electrical substation design;
- Planning skills: able to identify and define tasks and responsibilities, timetables and level of expertise for each stage of a project;
- Visual/spatial skills: ability to understand spatial orientation of equipment (above ground and underground);
- Organization skills: ability to mobilize required resources (human/financial/material) in order to meet deadlines and accomplish objectives;

- Ability to motivate others: ability to maintain an inclusive work environment and foster the participation of all;
- Advanced knowledge of medium and high-voltage equipment, safety issues for electrical installations, and the Canadian Electrical Code;
- Field construction or commissioning experience is an asset;
- Strong expertise with MS Office applications, AutoCAD and MicroStation;
- Experience using ETAP is an asset;
- Excellent communication skills with high competency in English (both verbal and written);
- Valid driver's license and the ability to travel and to do site work;
- Some knowledge of written French would be an advantage but not required.

BBA is committed to respecting fair hiring practices for all candidates and employment equity for all employees.