

Electrical Design Engineer, Industrial

September 16, 2022

PBX Engineering is an electrical, systems, and software engineering firm in British Columbia & Alberta. We develop leading edge systems for municipal infrastructure, transportation, security, buildings, and industrial applications across Canada and the United States.

PBX is looking for an Electrical Design Engineer to join the Industrial team in Alberta.

Position Summary

Working closely with senior engineers, the Electrical Design Engineer will be an active member of the Industrial design team, with responsibility for project tasks in the following areas:

- Preparation of designs for all types of industrial systems for a variety of industrial facility types including marine ports and terminals, transit facilities, and infrastructure such as bridges and tunnels, etc.
- Preparation of calculations and simulations including voltage drop, protection & coordination, arc flash, grounding, etc.
- Preparation of design documentation, including drawings, cost estimates, reports, and construction specifications
- Performing construction services and site reviews
- Performing system testing, commissioning, and troubleshooting
- Assisting with preparation of project proposals and project fees
- Responsible for producing design documentation and interfacing with clients with high level support from senior engineering staff
- Travel to site locations as required

A successful candidate will help support and maintain the company's large and diverse project portfolio.

We are looking for someone who shares our passion for high quality work, who is searching for a place that supports long term career development, and who is interested in contributing positively to our corporate culture.

Qualifications – Baseline

In addition to experience with the above responsibilities, the qualifications for the position include:

- Registered EIT or P.Eng. with APEGA or EGBC
- Degree in Electrical Engineering from an accredited university, or diploma in Electrical Engineering Technology program or equivalent from a recognized technical institute
- Strong communication skills and effective interpersonal skills
- At least 4 years experience in electrical power design and engineering consulting environment
- Ability to effectively deal with a high level of responsibility



- Ability to work both independently and collaboratively
- Proven organizational and time management skills
- Demonstrated effective project management experience
- Experience managing client relationships

Qualifications – Desirable

The following qualifications are desirable, but not essential (if you don't have them and you're the right person for the role, we'll support your training and development in these areas):

- Experience with ETAP design software
- Experience in a consulting environment

Benefits & Other Compensation

We provide a comprehensive benefits package that promotes employee health and wellness which includes the following:

- Medical, Dental, & Vision Benefits, including short and long-term disability, and life insurance
- Paid time off, including paid holidays and Sudden Illness, Injury & Childcare (SIIC) days
- A Maternity & Parental Leave Top Up Program
- Registered Retirement Savings Plan (RRSP) with company matching
- A Fitness & Wellness Incentive Program
- An Employee Assistance Program
- Annual bonus program based on company and personal performance

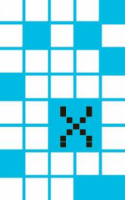
Applications

Qualified applicants are encouraged to send their resumes, complete with references, via email to careers@pbxeng.com. Include **"Electrical Design Engineer, Industrial"** in the subject line.

About PBX

PBX Engineering offers a challenging and rewarding environment. PBX employs innovative, critical thinkers who enjoy solving problems through creative and collaborative interaction. The selected candidate should be genuinely interested in participating in the mutually beneficial growth and technical development of a very strong and talented group of engineers and designers. Our diverse workload includes technical areas such as:

- Water and wastewater infrastructure including SCADA systems and Automation
- Power distribution systems including MV/HV substations, low voltage distribution, and grounding systems
- Intelligent Transportation Systems (ITS) including lighting design and traffic studies
- Security system design including CCTV, perimeter security, and access control platforms



- Building electrical systems including residential, commercial, and industrial facilities

We believe in supporting the long-term career development of our staff through a diverse and challenging workload, industry engagement, and internal and external training. We apply the same effort in fostering a positive social environment as we do in developing innovative and successful projects. We continuously strive to make our firm the kind of place where people want to stay – and our benefits package and approach to compensation are structured to support that goal.