

Design Engineer, Industrial

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 **Design Engineer** to work with the **Industrial** team and other engineers in delivering projects in BC & Alberta.

Position Summary

Working closely with other engineers, the **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

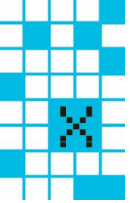
A successful candidate will help support and maintain the company's large and diverse project portfolio.

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, 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 "Design Engineer, Industrial" in the subject line.

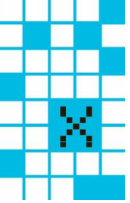
Resumes will be accepted until position filled.

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, designers, finance, and operations personnel.

Our services cover the full project life cycle – from high level planning to splicing wires and testing devices, from the conference room to the construction site.

We support clients and partners with projects ranging in size from small to very large, and in scope from stand-alone to highly integrated.



Our work includes projects that matter on municipal, provincial, and national levels – ports, terminals, ferries, roads, bridges, hospitals, water infrastructure, airports, tunnels, recreational facilities – all the critical things that build strong economies, industries, and communities.

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.

PBX is also honoured to make the list of [Canada's Top 100 Small and Medium Enterprise Employers for 2023!](#) Click [HERE](#) to read about the reasons PBX was selected.