

# INDUSTRIAL

PBX Engineering serves a variety of industrial sectors including port and marine facilities, production plants, public transportation infrastructure, materials handling, heavy distribution systems, electrification, low carbon footprint systems, and mining. Through our involvement in these diverse industries, PBX has developed a unique experience base spanning different processes, methods, and products. When designing a new system or retrofitting existing equipment, we leverage this experience to create efficient and cost-effective solutions for our clients.

#### Our technical expertise includes:

- » **High, Medium & Low Voltage Service and Distribution Systems**
- » **Process Control, Automation, PLC, DCS, SCADA, RTU**
- » **Electric Motors, Motor Control, Variable Frequency Drives**
- » **Grounding, Ground Measurement, Lighting Protection**
- » **Arc Flash and Short Circuit Calculations**
- » **Power System Modeling**
- » **Intelligent Power Systems and Advanced Metering Solutions**
- » **Remote Equipment Operations**
- » **Heat Trace / Freeze Protection Systems**
- » **Backup Power Systems**
- » **Industrial Lighting Systems**
- » **Facility Life Safety Systems**

#### Our application areas include:

- » **Port and Marine Facilities**
- » **Materials Handling Equipment**
- » **Process Control and Automation**
- » **Pump and Lift Stations, PRVs**
- » **Compressors, Elevators, Conveyors, Cranes, Quay Cranes, Stackers and Reclaimers**
- » **Explosion Proof / Hostile Environment Installations**

AUTOMATION

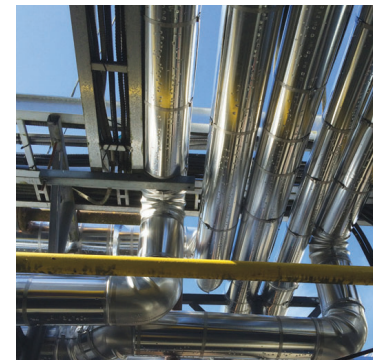
BUILDINGS

INDUSTRIAL

INTEGRATED SECURITY

MUNICIPAL UTILITIES

TRANSPORTATION



For additional information, please visit our website:

[www.pbxeng.com](http://www.pbxeng.com)



# PBX ENGINEERING

PBX Engineering Ltd. is a professional consulting firm specializing in electrical and systems engineering with deep technical expertise across a number of core service areas. Since 1997, we have delivered a complete range of design and deployment services for infrastructure projects across North America, ranging in size from small to very large, stand-alone to highly integrated. We believe in an open, interactive design process built around sound engineering principles. On paper, we design and build systems. In practice, we solve problems. Our solutions support clients' business objectives and strengthen their infrastructure.

We are passionate about what we do and proud of the work we have done – more than 10,000 projects to date and numerous industry awards. We take quality seriously, as is evidenced by the level of detail in our design. Supporting that philosophy is our rigorous internal Quality Management Plan.

PBX provides a comprehensive suite of services that covers the full spectrum of a project's life cycle. We plan, we design, we work with contractors, we test, we commission – and everything in between – from high level planning studies to splicing wires and testing devices, from the conference room to the construction site. The convergence of skill and experience drives the development of practical, innovative, and effective engineering solutions.

VICTORIA  
VANCOUVER  
SQUAMISH  
KELOWNA  
CALGARY  
EDMONTON

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50+ PROFESSIONAL ENGINEERS  
ACROSS SIX BUSINESS UNITS,  
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