

# AUTOMATION

PBX specializes in developing and implementing automation and control systems. Our in-house software and systems integration expertise sets us apart. We have designed and implemented complex life safety systems for transportation, custom web-based systems to support business applications, water and waste water, and materials handling automated control systems. We build systems that work.

Our technical expertise includes:

- » **Control System Project Management and Owner's Engineer**
- » **Functional Safety Engineering for Machine Safety Systems**
- » **Requirements Definition**
- » **SCADA/PLC/RTU/Drive Systems Design, Programming, and Commissioning**
- » **Custom Software Development and Database Integration**
- » **Systems Integration**
- » **Semi-Automatic and Autonomous Machine Operation**
- » **ICS Cybersecurity**
- » **Testing and Commissioning**
- » **Training**
- » **Maintenance and Support**

Our application areas include:

- » **Water and Waste Water**
- » **Snowmaking Pump Houses, Booster Stations, and Integrated System Control**
- » **Amusement and Passenger Ropeways**
- » **Bulk Material Handling Machine and Process Control**
- » **District Energy Systems**
- » **Process Data Collection, Analysis, and Reporting**
- » **Custom Web-Based Solutions**

AUTOMATION

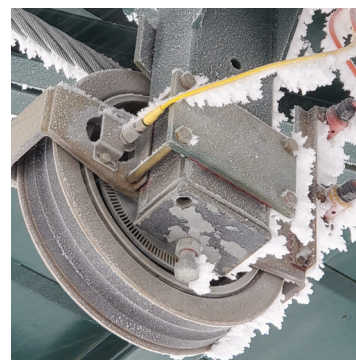
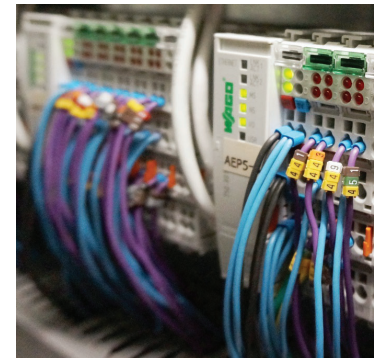
BUILDINGS

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

BY LEVERAGING THE SKILLS OF 50+ PROFESSIONAL ENGINEERS ACROSS SIX BUSINESS UNITS, PBX DELIVERS FULLY INTEGRATED SOLUTIONS THAT COVER THE COMPLETE PROJECT LIFE CYCLE.

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