



## NAME OF THE PROJECT

Explosive environment and panel modernization

## FIELD

PHARMACEUTICAL

## LOCATION

MONTREAL

## YEAR OF ACHIEVEMENT

In progress since 2024

### Context

The client wanted to upgrade their facilities to comply with current standards related to explosive environments.

### Mandate

As part of this project, PCI was required to help the client identify the necessary equipment, analyze the integration of these components into the current control system, and update the electrical panels in the affected rooms.

### Tasks performed

- Analysis of hazardous area report from an external firm
- Survey of all hazardous components
- Identification of appropriate components
- Electrical design (power panels, control, and wiring)
- Control logic analysis
- PLC programming
- Validation protocol
- Supervision of installation
- Commissioning and support

### Solutions provided by PCI

- Modernization of electrical panels
- Update of machine safety

### Tools and methods used

- Project management
- Coordination of external resources
- Electrical design software
- Studio 5000
- Canadian Electrical Code 2024
- Standard Z432-23