



## NAME OF THE PROJECT

Control system  
upgrade

## FIELD

Nuclear

## LOCATION

Vancouver

## YEAR OF ACHIEVEMENT

2021-2022

### Context

A French equipment manufacturer for the nuclear industry was looking for a Canadian partner to carry out a project in a large-scale research center. The project consisted of the construction of a cell allowing the handling of radioactive equipment coming from the adjacent laboratory.

### Mandate

The mandate consisted of the engineering and supply of 2 control cabinets and 6 operator interfaces. Added to this were technical writing, programming, and commissioning.

### Tasks performed

- Complete electrical engineering of the cell including control architecture and networking.
- Programming of a Schneider M580 security PLC.
- Writing of functional descriptions with the client.
- Writing of the FAT and SAT procedures.
- Supervision of the electrical installation.
- Commissioning and support

### Solutions provided by PCI

- Adaptation of European methods and ways of doing things in a Canadian context.
- Integration of a security PLC to simplify management.
- Agile management in a context of tight deadlines.

### Tools and methods used

- Schneider EcoStruxure software.
- Extensive documentation in a nuclear context.
- Agile management in a context of tight deadlines.