



## PROJECT NAME

Integration,  
programming and  
process control

## Field

Recycling plant

## Location

Province of Quebec

## Year of achievement

2024

### Context

The client in question wanted to set up a new recycling plant. To do so, they were looking for a team of experts to assist with the integration, programming and process control.

### Mandate

The initial mandate was to integrate the various equipment, instruments, and process of the plan in order to make it operational and functional according to the established needs and requirements.

### Tasks performed

- PLC M580 HSBY programming
- Establishing inter-PLC communication
- Programming the operator interface
- Configuration / calibration of instruments
- Control loop programming
- Sequence programming
- Commissioning of equipment

### Solutions provided by PCI

- Programming standards – Schneider PLC M580
- HMI design standards – SCADA Machine Expert
- OT network integration
- Integration of a data historization system
- Integration of HART devices
- Process control

### Tools and methods used

- Project management
- Control Expert
- Function block library
- SCADA Machine Expert
- HMI – ISA101 Standard
- Situational Awareness
- OPC Factory Server
- AVEVA Historian
- Connected Components Workbench
- Wireshark