

# Project: Ottawa Light Rail Transit (OLRT)



## Project Overview

Client: Ottawa Light Rail Transit (OLRT)

Confederation Line

Daily Ridership: 159,000

Length: 12.5 km

Current Stations: 13

Trillium Line

Daily ridership: 20,000

Current Length: 8 km

Current Stations: 5

Ottawa Light Rail Constructors (OLRTC JV) wanted a solution for their expanding Ottawa metro rail, O-Train, that would enable the integration of both control (SCADA) and communications, including multimedia. They were looking for a flexible integration partner, so they chose us to provide our enterprise Integrated Control and Communication System (ICCS) solution, SCADACOM.

Along with our ICCS, Willowglen provided Station E&M and Traction Power RTUs, project management, professional software development, configuration, and integration services for the Confederation Line. We delivered our latest generation SCADA (SCADACOM6) server and workstation products for the Transit Services Control Centre, Back-Up Control Centre, and Yard Control Centre.

The O-Train Confederation Line saw the introduction of a modern light rail transit service to Ottawa, Canada. The O-Train is a multimodal light metro system consisting of two lines, east-west electrified Confederation Line and the north-south diesel-powered Trillium Line.

Willowglen is providing the RTUs and ICCS solution for Stage 2 of the O-Train expansion, which will extend both the Confederation Line

## Integrated Subsystems

- Closed Circuit Television (CCTV)
- Communication Based Train Control (CBTC)
- Communication Transmission System (CTS)
- Fire Detection Alarm System (FDAS)
- Guideway Intrusion Detection System (GIDS)
- High Speed Data Radio (HSDRS)
- Intrusion Access Control (IAC)
- Overhead Catenary System (OCS)
- Passenger Information Display (PID)
- Passenger Information System (PIS)
- Public Announcement (PA)
- Supervisory Control and Data Acquisition (SCADA)
- Telephone System (Telephony)
- Traction Power Sub System (TPSS)
- Tunnel Ventilation System (TVS)

and the Trillium Line. Once Stage 2 is complete, it will bring 77% of Ottawa residents within 5 km of rail. Willowglen is proud to be part of the great Team helping bring Ottawa's master rail improvement plan to life.