
Project Name: St. Lawrence Valley Treatment Center (New System)



Location: Brockville, Ontario

Owner: Ontario Realty Corporation

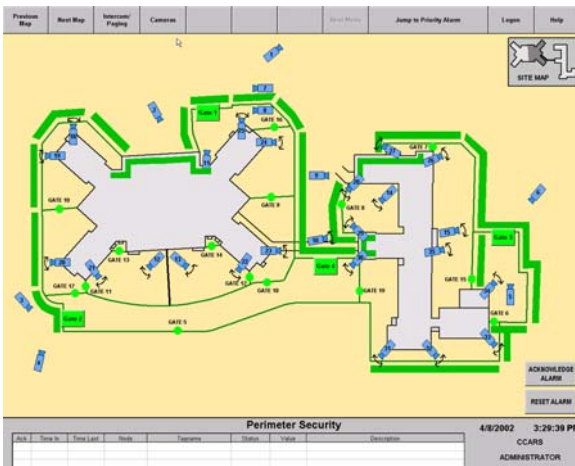
Prime Consultant: Weaymouth & Associates

Facility: The project at the Brockville Psychiatric Hospital includes a 300-bed correctional treatment unit; a 100-bed secure treatment unit; and a 44-bed forensic unit. Forensic and psychiatric services are provided in conjunction with the Ministry of Health and Royal Ottawa Hospital. Phase II of the SLVCC project will include the construction of a 300-bed correctional treatment unit, a 50-bed remand unit, new admissions and discharge area and a retrofitting of existing facility services.

Scope: Engineering and design of door control system and operator interface, interfaces to Lighting, Perimeter Security, Duress, Fire Alarm, Intercom and CCTV systems. Prepared approval, construction, and as-built ACAD drawings. Prepared a detailed functional design document and programmed the PLC and HMI systems. Field services and start-up assistance for the integrated security systems.

Technology: The technology on this project represents the current best-in-class solutions in the industry. The software and hardware incorporates high levels of redundancy.

- 11 Intellution iFIX™ SCADA nodes and 1 iFIX View Nodes operating on Microsoft Windows 2000 Workstation.
- 8 Modicon Momentum PLC's.
- Harding DXI Supervised Input modules using Lonworks.
- Communication Interfaces to:
 - o Siemens/Cerberus Fire Alarm
 - o GE TLC Lighting Control



- o Ascom Teleprotect Duress System
- o Pelco CCTV Matrix Switcher
- o Harding DXI Intercom/Paging
- o Senstar Perimeter Detection
- Dual Redundant 10/100Base-T/TX Ethernet, with 100BaseFX fiber-optic between buildings.

Software Features:

- Multi-level operator security log-in
- Detailed operator and device action event logging. (Record-and-trace)
- Sophisticated reporting for quick access to information in the event of incident audits.

1. Project Name: Southern Alberta Forensic Psychiatric Center (New System)

Location: Calgary, AB

Owner: Calgary Health Region

Prime Consultant: Beaubien, Glover, Maskell Engineering

Facility: 80 cell Health Region Forensic Psychiatric Hospital center located in Calgary, Alberta.
DelcoSecurity Canada Scope: Engineered, manufactured, and commissioned the four node touch screens in the door/intercom/CCTV control system.

Technology: The system included four touch screen nodes. Software and hardware included: AB 5/05 PLCs, Pelco CCTV, Harding DXI intercom, ELO touchscreens.