
Project Name: CSC Drumheller Federal Penitentiary (Retrofit System)



Location: Drumheller, AB

Owner: Correctional Service Canada

Prime Consultant: PricEng Consulting

Facility: 456 cell federal penitentiary.

DelcoSecurity Scope: Security consulting contract to determine automation replacement or upgrade requirements for integrated door control system. Replacement of existing touchscreen door control system interfaces and PLC re-programming of Units #8, #9, #10, #11, & Main Central Control.

Technology: The existing systems were Marcomm Dynatrol touchscreen door control system (14 touchscreen units and Lonworks DXI remote I/O), and a Telemecanique Premier Line PLC with Magelis Touchscreen interfaces. The new system replacement included DelcoSecurity's Apex^{NT} iFix touchscreen PC graphics stations and new Telemecanique Premier PLC's with Modicon Momentum I/O modules as remote I/O communicating over FIP I/O network.