

YORK UNIVERSITY STUDENT CENTRE

WATERLOO, ON, CANADA

EDUCATION

LIVE MECHANICAL RETROFIT

The York University Student Centre is the hub for students, and includes meeting rooms, offices, a large food court, pubs and bars, and a daycare. As the facility is literally occupied every day of the year, this retrofit was implemented "live", with the work revolving around the schedules of the occupants.

PROJECT DETAILS

Reliable Controls Authorized Dealer, Jade Logic Building Technologies Inc., completed this retrofit project for the busy, Toronto-based York University Student Centre, a 12,356 m² (133,000 ft²) facility used for many different purposes and functions.

The system is connected to the university computer network (LAN) and is accessible through the network and over the Internet. The original fan coil units with pneumatic controls operated 365 days per year, 24 hours per day, and were replaced with new fan coils with DDC controls. The main air handling systems were all retrofit with DDC valves and actuators, as well as new main controllers.

The new system allows for customized schedules due to the varied use of the building. Supply air temperatures are also monitored from each fan coil to provide alarms on any out-of-range temperatures.

This successful retrofit project provides a savings of approximately \$35,000 per year in operating costs.

To learn more about projects using Reliable Controls[®], visit www.reliablecontrols.com/projects/overview.



PROJECT TYPE:

Retrofit

INSTALLATION TYPE:

Fan Coil Unit, VAV

TOTAL AREA:

12,356 m² (133,000 ft²)

EQUIPMENT INSTALLED:

150 SMART-Space Controller™

25 MACH-ProZone™

1 MACH-ProWebSys™

6 MACH-ProSys™

4 MACH-ProPoint™

NETWORK:

EIA-485

Ethernet

LAN

TOTAL SYSTEM POINTS:

1600 points

RELIABLE CONTROLS[®] DEALER:

Jade Logic Building Technologies Inc.

www.reliablecontrols.com

