

HILTON SUITES

MARKHAM, ON, CANADA

HOSPITALITY

OVERVIEW

Hilton Suites is a 4-star hotel in Markham, Ontario, that encompasses long-term stays, a convention centre, a spa, and more.

PROJECT DETAILS

Reliable Controls Authorized Dealer, DCL Engineering, successfully completed this retrofit project for Hilton Suites.

The Reliable Controls MACH-System™ installed in this facility controls the heating, cooling, and ventilation on each floor, along with hot water system. All BACnet® controllers utilize an MS/TP connection to their corresponding main controller.

The HVAC system consists of a condensing boiler with hot water distribution and two large-scale Make-up Air Systems (MUAs), which provide variable volume heating and cooling to the long term stay areas. Each zone is controlled with fan coil units. Spot cooling for the spa and convention center is accomplished with dedicated air conditioning units.

Challenges in this project centered around replacing the existing remote terminal unit (RTU) controllers, which were installed, mounted, and wired. When the old system was replaced, its capabilities were surpassed by the more comprehensive and fully integrated Reliable Controls MACH-System™.

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



PROJECT TYPE:
Retrofit

TOTAL AREA:
2,787 m² (30,000 ft²)

INSTALLATION TYPE:
HVAC

EQUIPMENT INSTALLED:
1 MACH-ProCom™
1 MACH-ProWebCom™
3 MACH-Pro2™
80 MACH-ProZone™

NETWORK:
Ethernet

INTEGRATION:
BACnet®

SYSTEM POINTS:
500+

RELIABLE CONTROLS® DEALER:
DCL Engineering