

WATERLOO CITY CENTRE

WATERLOO, ON, CANADA

GOVERNMENT

THE SOUND OF SILENCE

Waterloo City Centre includes City Hall, which encompasses both offices and outside tenants. The City of Waterloo is familiar with Reliable Controls products, with many related buildings using the MACH-System, including the Waterloo Public Library, Canadian Clay and Glass Museum, and the Waterloo Memorial Recreation Complex.

PROJECT DETAILS

Reliable Controls Authorized Dealer, Jade Logic Building Technologies Inc., completed this retrofit project. The City Hall facility is near an apartment complex and as a result, faced the challenge of implementing a quiet system to ensure the apartment's occupants remain undisturbed.

The networked hardware in this project included a system located on the City's local area network and accessible through a dedicated VPN. The mechanical equipment includes four large, custom-built, VAV roof-mounted air handling units, built with Reliable Controls equipment installed at the factory. The system was retrofit with new, rooftop equipment over one weekend, and was fully functional by the time the building was occupied on the next working day.

In order to meet the requirement of eliminating excessive system noise, Jade Logic Building Technologies Inc. provided a custom design, which was successful in providing a quiet, efficient system, as well as top-notch functionality.

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



PROJECT TYPE:

Retrofit

INSTALLATION TYPE:

Boiler, CO² Monitoring, Fan Coil Unit, VAV

TOTAL AREA:

8,361 m² (90,000 ft²)

EQUIPMENT INSTALLED:

**120 MACH-Air™
4 MACH-ProSys™
1 MACH-ProCom™
6 MACH-ProPoint™
4 MACH-Stat™
4 MACH2™**

NETWORK:

**EIA-485
Ethernet
LAN**

INTEGRATION:

BACnet®

TOTAL SYSTEM POINTS:

900 points

RELIABLE CONTROLS® DEALER:

Jade Logic Building Technologies Inc.

