

# ORACLE CANADA HEADQUARTERS

MISSISSAUGA, ON, CANADA

CORPORATE

## INTELLIGENT BUILDING

A striking ten-storey 'intelligent' office tower located in Mississauga, Ontario features 400,000 square feet of tenant space and a soaring 50-foot high, glass enclosed atrium. The tower offers the most up to date technology for energy management, air quality, data acquisition, and telecommunications.

## PROJECT DETAILS

The Reliable Controls® MACH-System consists of ten MACH2™ controllers with expansion cards distributed throughout the building to control the lighting and ventilation on each floor, along with carbon monoxide control in the parkade and exterior lighting. The mechanical penthouse has a single MACH-Net™, a single MACH2™, and a single MACH1™ used to control the heating boilers, evaporative water coolers, heat pump loop boilers, and domestic hot water. Heat pump recover units are also controlled in the penthouse along with a humidifier unit and diesel generator dampers and fuel tank levels are monitored.

Six MACH-Zone™ controllers control the roof top units used to ventilate the atrium while two additional MACH1™ controllers are located in the penthouse to monitor and control the chemical feeds based on cycles of concentration or conductivity.

Operator access is facilitated by a PC connected directly to the system. Remote access is gained through a modem attached to a controller in the penthouse.

To learn more about projects using Reliable Controls® visit [www.reliablecontrols.com/projects/overview](http://www.reliablecontrols.com/projects/overview)



**PROJECT TYPE:**  
New Construction

**INSTALLATION TYPE:**  
Mechanical, Electric, Lighting, HVAC

**TOTAL AREA:**  
37,000 m<sup>2</sup> (400,000 ft<sup>2</sup>)

**EQUIPMENT INSTALLED:**  
1 MACH-Net™  
3 MACH1™  
6 MACH-Zone™  
11 MACH2™  
13 MACH2™ Expansion Cards

**NETWORK:**  
EIA-485

**TOTAL SYSTEM POINTS:**  
300 points

**RELIABLE CONTROLS® DEALER:**  
Setpoint Building Automation

www.reliablecontrols.com