

WALTER C. MACKENZIE HEALTH SCIENCES CENTRE

EDMONTON, ALBERTA, CANADA

INTRODUCTION

The [University of Alberta Hospital](#) is a research and teaching hospital run by [Alberta Health Services](#). The University of Alberta Hospital, the Mazankowski Alberta Health Institute, and the Stollery Children's Hospital co-reside within the larger [Walter C. Mackenzie Health Sciences Centre](#). Combined, the Walter C. Mackenzie Health Sciences Centre is one of the largest hospitals in Western Canada.

PROJECT DETAILS

Authorized Dealer [SERV-ALL Mechanical Services](#) first worked at the Walter C. Mackenzie Centre in 1997, replacing an aging smoke control system with an Ethernet-based Reliable Controls system. In the years since, SERV-ALL has continued to update the facility's building automation system to include more system objects and controllers in operating theaters, research labs, critical care units, isolation units, administration areas, and new buildings. Today the Reliable Controls building automation system includes hundreds of controllers and sensing devices.

In the fiscal year 2000, the facility reduced energy use to 18 percent lower than 1996 levels, earning the Walter C. Mackenzie Health Services Centre two awards from the Government of Canada's Climate Change Voluntary Challenge and Registry Program.

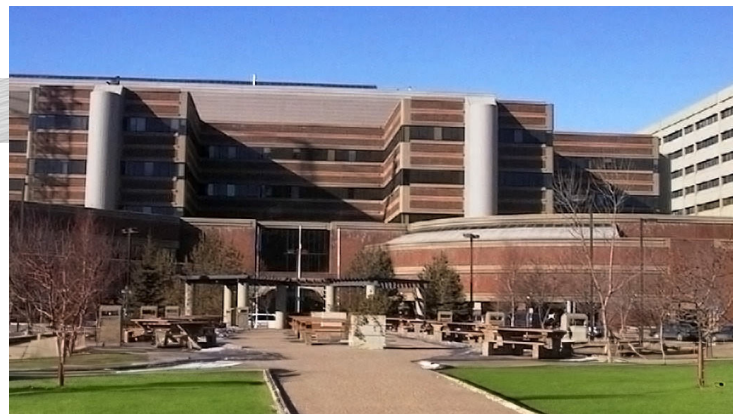
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MARKET SEGMENT

Health care

PROJECT TYPE

Retrofit and new construction

INSTALLATION TYPE

HVAC

TOTAL AREA

351,000 m² (3.7 million ft²)

PROTOCOL

BACnet

INSTALLED EQUIPMENT

2 MACH1™ controllers
 6 MACH2™ controllers
 8 MACH-Air™ controllers
 1 MACH-Global™ controller
 116 MACH-ProAir™ controllers
 19 MACH-ProCom™ controllers
 1 MACH-ProLight™ controller
 12 MACH-ProPoint™ Input expansion modules
 17 MACH-ProPoint Input/Output expansion modules
 17 MACH-ProPoint Output expansion modules
 5 MACH-ProSys™ controllers
 8 MACH-ProView™ LCD controllers
 1 MACH-ProWebCom™ controller
 1 MACH-ProWebSys™ controller
 16 MACH-ProZone™ controllers
 1 SMART-Net™ Expansion Board device
 22 SMART-Sensor™ Expansion Board devices
 148 SMART-Sensor LCD devices
 186 SMART-Sensor EPD devices
 7 X-Port 2™ Converter devices
 RC-Archive® software
 RC-Studio® software
 RC-Toolkit® software
 RC-WebView® software

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