

# TEULON/HUNTER MEMORIAL HOSPITAL

TEULON, MANITOBA, CANADA

HEALTH CARE

## HOSPITAL SYSTEM CONTROL

The Teulon/Hunter Memorial Hospital is a healthcare facility with 20 personal home care beds and 16 hospital beds with an emergency room and operating room. This project needed to meet the customer's budget while retaining existing pneumatic zone controls to remain operational.

## PROJECT DETAILS

Reliable Controls Authorized Dealer, Tri-Star Automation, Inc., based in Manitoba, Canada, completed this project to retrofit the Teulon/Hunter Memorial Hospital during full hospital operations with zero interference.

Existing pneumatic zone controls needed to remain operational, so Tri-Star solved this issue by interlocking existing controls with the new control system. The new, Reliable Controls MACH-system gave the facility operators improved control of the facility and aided in identifying which mechanical systems were in need of repair or replacement. After the retrofit was completed, systems began modulating as intended under automatic control, rather than under manual control.

The networked hardware included a dial-in modem, while the installed mechanical equipment included 4 AHUs with electric heat and chilled water cooling; 2 MUAs with electric heat, chilled water cooling, and glycol heat recovery system; 1 Trane chiller; and miscellaneous systems like a blood bank monitor and alarm, three domestic hot water recirculation pumps, and temperature monitoring.

Energy savings through new economizer and on-demand ventilation were realized, and operator interaction and service requests were reduced by approximately 75%.

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### PROJECT TYPE:

**Retrofit**

### INSTALLATION TYPE:

**Chiller, CO<sub>2</sub> Monitoring, HVAC, Water Monitoring**

### EQUIPMENT INSTALLED:

**1 MACH-ProWebSys™  
3 MACH-ProSys™  
3 MACH-ProPoint™  
2 MACH2™**

### NETWORK:

**EIA-485, Ethernet**

### INTEGRATION:

**BACnet®**

### TOTAL SYSTEM POINTS:

**200 points**

### RELIABLE CONTROLS<sup>®</sup> DEALER:

**Tri-Star Automation, Inc.**

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