

FAIRMONT EMPRESS HOTEL

VICTORIA, BC, CANADA

HOSPITALITY

EFFECTIVE ENERGY & WATER USAGE TRACKING

The historic Fairmont Empress hotel, located in the inner harbour of Victoria, BC, opened in 1908 and is now one of the city's oldest and most famous hotels. The 51,086m² (550,000ft²) hotel has 477 guest rooms, two ballrooms, 22 meeting rooms, 4 restaurants, a spa, and an indoor swimming pool.

PROJECT DETAILS

Reliable Controls Authorized Dealer, Kerr Controls, Inc. recently completed this retrofit project with a primary focus of reprogramming the sequence of operations for the mechanical equipment to achieve a higher level of savings. The uniqueness of this project is attributed to the sheer volume of data, including electricity, gas, and wastewater data, which the system collects for monitoring purposes.

The networked hardware includes MACH-ProSys controllers with MACH-ProPoint expansion modules, as well as a MACH-ProZone controller. Mechanical equipment includes boilers, air handling units, chillers, VAVs, heat pumps, spa pumps, and lighting.

The project started in June 2012 and wrapped up at the end of October the same year. The upgraded system greatly improved this client's ability to monitor and track energy and water usage. By the end of November 2013, the annual savings for electricity, gas, and water/wastewater totaled nearly \$55,000, which more than paid for the client's investment in reprogramming.

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PROJECT TYPE:

Retrofit

INSTALLATION TYPE:

**Boiler, Chiller, Heatpump, Air Handler,
Power Monitoring, VAV, Lighting**

TOTAL AREA:

51,086m² (550,000 ft²)

EQUIPMENT INSTALLED:

**7 MACH-ProWebSys™
23 MACH-ProPoint™
1 MACH-ProZone™**

NETWORK:

Ethernet

INTEGRATION:

BACnet®

TOTAL SYSTEM POINTS:

435 points

RELIABLE CONTROLS® DEALER:

Kerr Controls, Inc.

www.reliablecontrols.com