

# DOCKSIDE GREEN

VICTORIA, BC, CANADA

RESIDENTIAL

## GREEN CONTROL

Built on 15-acres, Dockside Green is a 1.2 billion dollar development fast becoming a leading eco-residential and eco-industrial development by earning a record breaking score for a LEED Platinum facility. In all, 24 buildings at Dockside Green will pursue LEED Platinum certification. As a model for green living, the Dockside Green community will exceed almost all of the current environmental performance standards for green buildings in Canada.

## PROJECT DETAILS

At Dockside Green's first two developments, Synergy and Balance, 266 MACH-Stat™ BACnet® controllers provide detailed energy monitoring and control for each individual suite. Residents have the ability to schedule occupancy and view room temperatures and outdoor weather data, as well as the consumption of electricity, heating energy, and water on a daily, weekly, or monthly basis. The system also calculates and reports each tenant's carbon footprint. Communicating energy, water, and carbon consumption to each occupant is an important aspect of a sustainable community. The data is reported on the large LCD display of the MACH-Stat™ for in-suite viewing and also on a website tailored to each suite so residents can access their suite's environment control system from anywhere around the world using the Internet.

According to Joe LeRoy, Control Divisions Manager for Houle Electric, the MACH-Stat™ controllers installed in the residential units allow tenants to monitor their carbon footprint and also potentially modify their behavior. "People can't fix what they don't know. By seeing their impact right up there on the wall; by having a way to measure every day how their behavior impacts their emissions, they can start to set goals and make changes that will have a significant impact, not only on their lives, but on the climate."

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### PROJECT TYPE:

Retrofit & New Construction

### INSTALLATION TYPE:

HVAC, Metering

### TOTAL AREA:

21,000 m<sup>2</sup> (226,042 ft<sup>2</sup>) occupied  
120,000 m<sup>2</sup> (1,291,669 ft<sup>2</sup>) total

### EQUIPMENT INSTALLED:

2 MACH-Global™  
2 MACH-ProSys™  
2 MACH1™  
6 MACH-ProCom™  
13 MACH-Zone™  
266 MACH-Stat™

### NETWORK:

Ethernet, RS-485

### INTEGRATION:

BACnet®

### TOTAL SYSTEM POINTS:

2,500 points

### RELIABLE CONTROLS® DEALER:

Houle Electric

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