

For professional engineers in private practice

OCTOBER/NOVEMBER 2017

CANADIAN ■ CONSULTING  
**engineer**

**2017**

A W A R D S

Port Mann  
Water Supply Tunnel  
wins the Schreyer



Innovation and integration here.



Comfort and security here.

### Innovation transforms a historic landmark hotel

Travelers to Winnipeg, MB, look to the iconic Fort Garry Hotel for a five-star hospitality experience, and the Fort Garry Hotel needed a five-star building energy management solution (BEMS). Our StuxureWare™ BEMS integrated solution met that need, helping the Fort Garry Hotel achieve greater customer satisfaction, and improved maintenance and energy savings, along with the peace of mind that comes from choosing the #1-rated BEMS solution.



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Life Is On

**Schneider**  
Electric

## SCHNEIDER ELECTRIC

## Simplifying the Installation of a Modern Building Management System in a Historic Site

When NSW Contrôle were faced with the challenge of updating the Building Management system and controls for an historic government building in Québec, they turned to the #1 rated Building Management System (BMS). NSW Contrôle partnered with Schneider Electric and are certified at the highest partner level of Master EcoXpert to offer the “EcoStruxure for Buildings” BMS solution for this project.

### Overcoming challenges

There is always a challenge retrofitting an historical building. “Certainly, the building was considerably reconstructed, but we always kept in mind that we had to respect the old construction. This project uses geothermal heating and cooling and integrating that into the existing system was also part of the challenge” noted Francis Habel from NSW Contrôle, Quebec branch.

### Practical solution

As part of a complete multi-million-dollar restoration, it was critical to pick a solution that met the demands of the customer but also preserved the historical aspect of the heritage building. Utilizing the Schneider Electric “EcoStruxure for Buildings” offer, NSW Contrôle found that they could seamlessly integrate the older sections of the building with the latest in wireless field devices, smart controllers, automation servers and a new software user interface in the new building office section.

### Easy integration

The advantage of the “EcoStruxure for Buildings” approach is that it is designed from the ground up as an open system allowing easy integration, adding new controllers, servers and new smart wireless field devices into the existing infrastructure. The Schneider Electric MPM device pulls everything together which is then routed to the user interface and the SmartStruxure Automation Server. It congregates the existing field devices along with the new devices into a single homogenized system. By doing so, there is no need to rip and replace or start drilling holes and running conduit to accommodate the new intelligent field devices.

The MPM controller uses multiple wireless technologies to allow individual office and room control. It is easy to install and utilizes existing wiring and the integrated intelligence enables significant energy savings with accurate temperature control in any building design.

Retrofitting an older building has its challenges but with the “EcoStruxure for Buildings” offer from Schneider Electric, you can not only reduce installation time by up to 30%, you also reduce energy consumption and enhance customer quality and security. By not having to “rip and replace”, drill holes or run conduit in heritage buildings, it simplifies installation saving time and costs.

*Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centres, Infrastructure and Industries. With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems.*

*We provide integrated efficiency solutions, combining energy, automation and software. In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency.*

*We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment. [www.schneider-electric.ca](http://www.schneider-electric.ca)*

