

PARKS CANADA CHOOSES JCI FOR THE WIRELESS INTRUSION SOLUTION

BACKGROUND

Fort Wellington National Historic Site is a historic military fortification located in Prescott, Ontario on the north shore of the St. Lawrence River. Built during the War of 1812 to defend the St. Lawrence River shipping route, it operates as a museum and education center by Parks Canada.

The site:

- Area: 8.5 acres (370,000 sq ft)
- Site: 5 buildings, limestone walls 2-4 ft thick
- Range: 400-800 ft between buildings

Parks Canada was replacing a 30+-year-old alarm system and issued a tender for a wireless alarm solution. The successful completion of the project culminated with the installation of the [PowerSeries Pro](#) panel with 60+ PowerG wireless sensors, including:



Ft. Wellington Historic Site



- ✓ 14 indoor door/window contacts
- ✓ 16 outdoor contacts
- ✓ 16 indoor motion PIRs
- ✓ 6 ceiling 360° motion PIRs
- ✓ 11 outdoor motion and curtain PIRs

CHALLENGE

1. Complex infrastructure (a large distance between buildings and thick limestone walls)
2. Preservation of the historical and structural integrity of the site
3. Budget considerations (tender process)

COMPREHENSIVE SOLUTION



Bob Smith, a VP, Security Operations with Alliance Security Team & Canadian Security Team, is a 30-year veteran in the security and integration industry. Over the years, he has built a strong collaborative relationship with Rob Harman from JCI, who suggested using the new PowerSeries PRO hybrid panel with the PowerG wireless technology, featuring the best-in-business range, end-to-end 128-bit AES encrypted protocol as well as reliable wireless sensors with 5-7 year battery life.

Why is this a great solution?

- ✓ Powerful. Cost-Effective. Scalable
242 zones, 32 partitions, 2A power
- ✓ Wireless Range
PowerG offers 1.2 miles line of site
- ✓ Speed & Ease of Install
minimizes labor costs, and results in a budget-friendly tender submission



Location of buildings on site

PRODUCTS USED

- ✓ Main Control Panel: HS3128
- ✓ 2 Amp Power Supply Bus Extender with 4 relays outputs: HS3204CX (to replicate existing annunciator)
- ✓ Power supply with corbus repeater: HSM3204CX (to drive LED's)
- ✓ Wired & PowerG Keypads: HS2LCD & HS2LCDWF9

PowerG Wireless Devices:

- ✓ Door & Window Security Contact with Auxiliary Input: PG9945 to provide perimeter protection
- ✓ Digital Pet-Immune PIR Motion Detector: PG9914 to detect motion and monitor temperature
- ✓ 360° Ceiling-mount PIR Detector: PG9862 to monitor motion large rooms of

OUTCOME

Alliance Security Team & Canadian Security Team won the tender for the Fort Wellington project and completed the installation across all 5 buildings within 5 days using 2 technicians.

The control panel was installed in the main building, utilizing 7 partitions. Exclusively, over 60 PowerG wireless security sensors were used (14 indoor contacts, 16 outdoor contacts, 16 indoor PIRs, 6 ceiling 360° PIRs, and 11 outdoor motion and curtain PIRs). Just one of the existing wires from building 1 to building 5 was used (mostly due to the need to continue with the PC4632 annunciator in that building), as well as two wired keypads and the wired Host with relay outputs.

"I was confident I will provide the best solution to the customer. JCI team had my back every step of the way"

Bob shared how he felt while working on this project: *"I was confident I will provide the best solution to the customer. JCI team had my back every step of the way"*.

Learn more about the PowerSeries Pro [here](#)