LA PROMENADE

Reliable controls

OTTAWA, ON, CANADA

PARLIAMENTARY RETROFIT

Built in 1972, La Promenade Building is a 12-storey federal government structure located one block from the Canadian Parliament Buildings. With the capital buildings in the early stages of a dramatic 25-year rehabilitation project, La Promenade was retrofitted to welcome 62 Members of Parliament and provide 3 committee rooms.

PROJECT DETAILS

At the onset of the project, La Promenade was at the end of its life cycle and required a significant upgrade to its exterior envelope and mechanical and electrical systems in order to meet the Parliamentary mandate. As a result, the building's 12 floors were completely gutted and renovated.

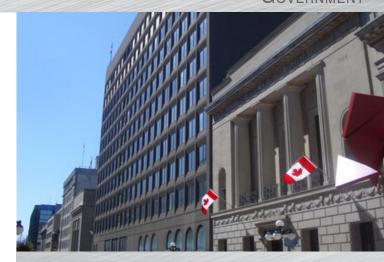
Instead of having on-site boilers and chillers, La Promenade (and all other Parliament buildings) receive chilled water and low-pressure steam from a central boiler plant. The mechanical rooms are outfitted with 9 AHUs with VFDs and humidification control along with approximately 400 VAV boxes. There is also steam to hot water heat exchangers for hydronic heating.

The project had a critical time line and stringent security access requirements, but the main challenge in completing the project was maintaining existing AHU and equipment that serviced street-level retail units throughout construction period. Energy savings will be based on reset schedules, as the BAS allows control based on outdoor air temperature.

To learn more about projects using Reliable Controls® visit www.reliablecontrols.com/projects/overview



GOVERNMENT



PROJECT TYPE:

Retrofit

Installation Type:

CO Monitoring, CO₂ Monitoring, Fan Coil Unit, HVAC, Smoke, VAV

TOTAL AREA:

29,729 m² (320,000 ft²)

EQUIPMENT INSTALLED:

- 2 MACH-ProPoint™
- 2 MACH-Zone™
- 2 MACH-Stat™
- 3 MACH-ProCom™
- 3 MACH-ProSys™
- 6 MACH2X™
- 7 MACH2™
- 400 MACH-Air

NETWORK:

EIA-485, Ethernet, LAN

TOTAL SYSTEM POINTS:

2,200 points

Engineering Consultant:

Fox Engineering

Reliable Controls® Dealer:

R.E.L. Controls