

UNIVERSITY OF VICTORIA

VICTORIA, BC, CANADA

EDUCATION

FIRST PEOPLES HOUSE

The 1,161 square-metre (12,500 square-foot) First Peoples House on the University of Victoria campus houses the Office of Indigenous Affairs, aboriginal student counselling services, classroom space, a student lounge and elders' lounge, faculty offices, a kitchen, and a ceremonial hall styled after a Coast Salish long house. Unique features include rammed earth walls, cedar plank exterior cladding, and indigenous carvings and artwork.

PROJECT DETAILS

The scope of the Reliable Controls® MACH-System installation at the First Peoples House was two-fold: to control a unique LEED Gold facility; and to integrate the structure into the wider university network. Reliable Controls® Authorized Dealer, Houle Electric (Victoria), used the MACH-ProSys™ controller in a dual role to complete the project. In conjunction with MACH-ProPoint™ expansion modules, the MPS networks to MACH-Air™ controllers within the building, and operates as the main controller, connecting the control system to the greater campus network.

The building relies on a district energy heat exchanger with BTU meter for heating. In-floor radiant heating is used for an entry gallery. A central AHU system incorporates minimum outdoor air, VAV boxes, and heat recovery using an energy wheel. Trickle vents provide supplementary ventilation along the perimeter of the building. All cooling costs are minimized by the natural ventilation design.

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



PROJECT TYPE:
New Construction

INSTALLATION TYPE:
BTU Meter, CO₂ Monitoring, HVAC,
Trickle Vent Natural Ventilation, VAV

TOTAL AREA:
1,161 m² (12,500 ft²)

EQUIPMENT INSTALLED:
1 MACH-ProSys™
6 MACH-ProPoint™
10 MACH-Air™

NETWORK:
EIA-485, Ethernet, LAN

TOTAL SYSTEM POINTS:
157 points

ENGINEERING CONSULTANT:
GENIVAR

RELIABLE CONTROLS® DEALER:
Houle Electric – Victoria

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