



# NEW WESTERN MEMORIAL REGIONAL HOSPITAL

CORNER BROOK, NL



## QUICK FACTS

- + Design-Build-Finance-Maintain
- + Geothermal
- + LEED® Silver
- + 600,000 square feet
- + \$750-million Budget
- + Canadian Council for Public Private Partnership (CCPPP) Project Delivery Silver Award (2020)
- + ASHRAE, Technology Award (2024-2025)
- + Smith + Andersen Mechanical, Electrical, Communications, Security, and Intelligent Integrated Systems
- + Sustainability Services (Footprint)

PHOTO CREDIT: JULIAN PARKINSON



# NEW WESTERN MEMORIAL REGIONAL HOSPITAL

## ABOUT THIS PROJECT

- + Seven-storey acute care hospital with 164 beds located on the Western Memorial Regional Hospital Campus.
- + Features an expanded cancer care program (including radiation services), as well as a connection to the neighbouring Corner Brook Long-term Care facility.
- + Mechanical and electrical design complement and support the compact, functional design of the hospital, which minimizes distances for clinicians, nurses, and housekeeping staff.
- + Utilized a geothermal system (with electrical back-up) as the primary heating and cooling source in order to achieve significant energy reduction and operating cost savings over the entire lifespan of the facility.
- + Largest geothermal system in a healthcare building across Canada (second largest geothermal system in any building type nationwide).
- + Peak loading and energy balance of the geothermal field were given special consideration through a system design that accommodates catastrophic events.
- + Mechanical scope included design for plumbing, HVAC, medical gas, and fire protection.
- + Prioritized high-efficiency, low-energy solutions to achieve the LEED v4 Silver (Building Design + Construction Healthcare).

## HOT BUTTONS

DBFM / P3 / AFP

HEALTHCARE

GEOHERMAL

SUSTAINABLE

MECHANICAL

ELECTRICAL

INTEGRATION

LEED



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### LOCATION

Corner Brook, NL

### SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical,  
Communications, Security  
Intelligent Integrated Systems,  
Sustainability (Footprint)

### KEY TEAM MEMBERS

Western Regional Health Authority  
Plenary Group  
PCL Construction  
B+H Architects  
Parkin Architects  
Marco Group  
Plan Group  
Johnson Controls

### SIZE

600,000 sq. ft. (55,740 sq. m.)

### BUDGET

\$750 Million

### COMPLETION YEAR

2023

### SUSTAINABILITY

LEED® Silver

### AWARDS

Canadian Council for Public  
Private Partnerships (CCPPP),  
Project Delivery Silver Award  
(2020)

ASHRAE, Technology Award  
for Outstanding Achievement  
in the Application of Heating,  
Refrigeration, and Air Condition  
Technology (2024-2025)