



# NEW WESTERN MEMORIAL REGIONAL HOSPITAL

CORNER BROOK, NL



## QUICK FACTS

- + Design-Build-Finance-Maintain
- + Geothermal
- + LEED® Silver (Target)
- + 600,000 square feet
- + \$750-million Budget
- + Smith + Andersen Mechanical, Electrical, Communications, Security, and Intelligent Integrated Systems
- + Sustainability Services (Footprint)





# 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) target.

**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 (Target)

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

## HOT BUTTONS

DBFM / P3 / AFP	HEALTHCARE	GEOTHERMAL	SUSTAINABLE
MECHANICAL	ELECTRICAL	INTEGRATION	LEED

