



CORNER BROOK ACUTE CARE 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)





CORNER BROOK ACUTE CARE 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

