



CASE STUDY CHU SAINTE-JUSTINE

Precision Coverage for Pediatric Excellence

Montreal, QC | Industry: Healthcare

Description

To overcome the signal-blocking infrastructure of Canada's largest mother-child center, Linkwave deployed a high-performance **Hybrid Fiber/Coax DAS** solution. This system eliminates "dead zones" by delivering enterprise-grade **LTE** and **5G** connectivity for **Rogers**, **Telus**, **Bell**, and **Videotron**. By integrating multi-carrier support into a single unified backbone, Linkwave ensured that medical staff have reliable signal across the entire facility.

Linkwave's design prioritizes mission-critical reliability by incorporating dedicated infrastructure for **Montreal Public Safety** radio networks. This ensures first responders maintain crystal-clear communication in the hospital's most shielded areas, meeting rigorous local safety codes.

Project Specifications

Type	Details
Solution	Commercial Cellular and Public Safety Radio
System Type	Indoor Coverage (DAS)
Industry	Healthcare
Technology	Cellular <ul style="list-style-type: none"> • LTE • 5G Public Safety <ul style="list-style-type: none"> • Public Safety Radio • Montreal Public Safety
Operators/Carriers	<ul style="list-style-type: none"> • Bell, Telus, Rogers, Videotron
Solution Architecture	Hybrid Fiber/Coax DAS

About CHU Sainte-Justine

- Founded in 1907 by two remarkable women, Justine Lacoste-Beaubien and Dr. Irma LeVasseur
- The hospital started in a small house in rue Saint-Denis with just 12 beds
- Has the largest Neonatal Intensive Care Unit (NICU) in North America