



CASE STUDY HUMBER RIVER HOSPITAL

Reliable Coverage for Life-Saving Care

North York, ON | Industry: Healthcare

Description

Humber River Hospital’s goal of being North America’s first fully digital hospital into a benchmark for digital resilience. Linkwave deployed a high-capacity **Distributed Antenna System (DAS)**. This Tier-One infrastructure eliminates critical signal gaps, providing the high-density **HSPA** and **LTE cellular connectivity** required to support mission-critical medical workflows and real-time patient data.

Linkwave’s end-to-end services included RF engineering and the integration of a dedicated **Public Safety ERCES for Police, Fire, and EMS** frequencies. By managing all carrier coordination and rigorous interference testing, Linkwave established a secure, multi-carrier network that serves as a cornerstone for provincial health and emergency response.

Project Specifications

Type	Details
Solution	Commercial Cellular and Public Safety Radio
System Type	Indoor Coverage (DAS)
Industry	Energy
Technology	Cellular: <ul style="list-style-type: none">• HSPA, LTE Public Safety <ul style="list-style-type: none">• Public Safety Radio
Operators/Carriers	Bell, Telus , Rogers, Toronto Police/ Fire/EMS
Solution Architecture	Active DAS

About Humber River Hospital

- Built in 2015, Humber River Hospital is North America’s first fully digital hospital
- Humber River Hospital utilizes a fleet of robotic staff to handle tasks to free staff to focus more on patients
- 80% of patient rooms are private, designed to reduce spread of infection and privacy