RoIP Connects Province-Wide Health Care Network

Alberta Health Services

Overview

A Unified System

Alberta Health Services (AHS) is Canada's first and largest provincewide, fully-integrated health system, responsible for delivering health services to the more than 4.3 million people living in Alberta, as well as to some residents of Saskatchewan, B.C. and the Northwest Territories.

Alberta Health Services brings together health entities into one wider health network. As part of ensuring collaboration with each other and with emergency services, each hospital is equipped with radio equipment.

The Challenge

Connecting Over Long Distances

The challenge is to connect a number of hospitals to the one MPT1327 radio network over a wide area of over 66,848km2.
Each location also has differing requirements on the level of dispatch and monitoring.

Overview

Customer Profile
Alberta Health Services
Application
Wide Area RoIP Network

Business Benefits
Increased Collaboration and Effectiveness
Cost Effective Solution
Excellent passing of in-base signals
Choice of Consoles
Uses existing IP Network
Easily Expandable

Products Used
IPRdispatch
960 Handsets
960CC Consoles
IPR400 & IPR110+ RoIP Gateways

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The Solution
RoIP

By placing IPR400 (4-port) and IPR110+ (single port) gateways at each repeater site, hospitals are now able to connect to each other using Radio over IP (RoIP).

RoIP provides a cost-effective means of connecting resources over wide areas as it uses existing IP networks.

Depending on their dispatch requirements, each location chose whether they used 960 Handset Consoles, a 960CC Consoles or IPRdispatch Touch Screen Consoles.

Using MPT1327 radios also provided another level of challenge. However, the IPR gateways proved to pass in-based signaling better than other VoIP gateways on the market.

Conclusion
Set for the Future

The hospitals not only increased their levels of collaboration, but they also provided a means to connect the ambulances in the field.

By using RoIP, they now have a flexible foundation where they can add resources as required.