



Healthcare Case Study:

Private Cloud and Wide Area Network (WAN) Solution for Alliance Medical

PROJECT SYNOPSIS

Alliance Medical offers diagnostic services including MRI, CT, Ultrasound and X-Ray from eleven diagnostic imaging facilities throughout the island of Ireland.

Strencom has provided Alliance Medical with a Private Cloud Connectivity solution to cost effectively connect multiple locations and address its growing hosting requirement. Strencom hosts all Alliance Medical's hardware infrastructure in a private, secure and dedicated cloud environment.

This has made the entire patient workflow electronic, expedited reporting of critical diagnosis imaging and reduced the capital expenditure and maintenance costs of Alliance Medical's entire IT infrastructure.

Ellen Leacy, Quality and Processes Manager, Alliance Medical

"This project is fundamentally about improving patient care. We wanted to offer our patients a faster, more efficient and streamlined service.

Our ambition is to be a healthcare provider who utilises the smartest IT infrastructure for the benefit of our patients. Strencom's private cloud and WAN package will enable us to achieve this and, importantly, ensures patient confidentiality at all times."



THE NEED

Alliance Medical sought to streamline the entire patient processing procedure across all its nationwide locations. It wanted to remove the previous manual data entry system, thus reducing the risk of human error and increase the speed of the diagnostic pathway. In order to make the entire patient workflow electronic, it needed to connect its key diagnostic imaging facilities throughout the country. Key requirements for Alliance Medical were to protect highly sensitive patient information and to eliminate bandwidth congestion, due to the increasing adoption of bandwidth intensive speech recognition software to dictate medical notes. In addition, there was a need to address growing hosting costs resulting from an exponential growth in digital content.

THE SOLUTION

Strencom has provided a private cloud and wide area network (WAN) solution to Alliance Medical. It connects all key Alliance Medical locations using its private WAN. Strencom is also providing a private cloud whereby it will manage and host all the server and hardware in a dedicated virtualised environment.

THE BENEFITS

- Enables Alliance Medical and its RIS PACS supplier, AGFA Healthcare, to improve collaboration between referring doctors, reporting consultant radiologists and clinical staff
- Accelerates diagnosis and treatment for patients
- It streamlines the entire patient processing pathway and reduces the risk of clinical errors
- Eliminates possible privacy breaches and bandwidth contention issues as the Strencom solution does not traverse the internet
- Eliminates capital expenditure for servers and maintenance costs
- Knowledge of exact location of data at all times due to Strencom's private cloud

Tim Murphy, founder and managing director, Strencom, said,

"Alliance Medical was faced with the dual challenge of cost effectively connecting multiple locations, while also needing to address its growing hosting requirement. Our ability to deliver a solution that addresses both these needs, in a private and secure environment, proved to be a compelling package for Alliance Medical."