Changing the way Ommelander Hospital
connects today to enable healthcare tomorrow

Why Ommelander Hospital Groningen needed a network for the future

Ommelander Hospital was building a new 200-bed hospital to replace two existing facilities. As part of creating a digital hospital they needed to build a network infrastructure that would serve current and future needs.

How an always available network serves the modern hospital

When building their new hospital network, Ommelander Hospital ensured that they were able to monitor patients 24/7, connect employees and visitors.

The networked equipment is able to connect to other equipment, send data to medical staff and report back to those responsible for maintenance.

What a modern network means for the future of healthcare

The hospital's fully redundant network not only allows them to deliver world-class medical care, but also positions them to deliver medical care on a fully digital platform.

'We wanted a robust network to support our digital needs, now and in the near future. The network needed to provide the same kind of services for wired as well as wireless. We feel that we have a social obligation to our patients to buy the best equipment at the best price.'

Sietse Bolt, Project Leader Information and Automation, Ommelander Hospital Groningen

Together we do great things

Challenge

Why Ommelander Hospital Groningen needed a network for the future

When Ommelander Hospital Groningen decided to replace two of its existing hospitals with a new facility in the north of the Netherlands, the organization was aware that technology would play an integral role in the provision of care to their patients.

Modern medical equipment requires a robust network, and hospital administrators and medical practitioners increasingly rely on technology to create a digital hospital.

At the heart of the digital hospital is the network which allows information to flow seamlessly around the facility. It also gives medical personnel the platform on which to collaborate with colleagues across the country, and lets patients feel more connected while receiving medical care.

In order to achieve this, the network needed to be both robust, providing constant connectivity, but also flexible enough to meet the needs of the medical personnel, hospital administrators, patients and visitors.

Solution

How an always available network serves the modern hospital

With patient lives on the line, Ommelander Hospital needed a network that was fully redundant to ensure that patient telemetry was always available. With patients moving around the hospital to access various services, this meant that the entire facility had to be covered by a highly available wireless network.

The network not only enabled access for staff, patients and visitors but connected the medical equipment and all other communication systems inside the hospital, including telephony and administration systems.

The management systems for the network need to be able to allocate network access based on the user profile. This ensures that, for example, guest users don't have access to the same network being used by administration or connecting the medical equipment.

This ensures that the network is always secure, protecting both patient information and guaranteeing quality of care.

Outcome

What a modern network means for the future of healthcare

With a network that complements its new, technically sophisticated facility, Ommelander Hospital is able to deliver a better quality of care to its patients.

By investing in a network that will meet its future needs, they have a platform that's flexible enough to allow them to adapt to the rapidly evolving world of medical care. As technology drives improvements in patient care, their new facility will be able to keep pace with this, as well as facilitate collaboration between medical personnel both inside and outside the hospital.

Ommelander Ziekenhuis
Groningen

Which technologies?
- Network-switches and access points
- Network management platform
- Network authentication platform for fixed and wireless network

Which services?
- Professional Services
- Uptime support Services