



# Building the foundations for digital healthcare

## Why Ziekenhuis Rivierenland needed its network to scale

With increasing demands being placed on its network Ziekenhuis Rivierenland needed to replace its aging system, in order to support the demand driven by its move towards a more digital healthcare model.

## How the network supports their digital transformation

Supporting the digital transformation of Ziekenhuis Rivierenland was a key objective for the network, enabling the medical personnel and administrators to operate more effectively, delivering a higher level of patient care.

## What digital healthcare allows them to achieve

With a modern network in place Ziekenhuis Rivierenland will be able to move ahead with its plans to create a fully digital healthcare environment, providing its patients with the highest level of care and streamlining administration.



**'We want to achieve continuity and stability; factors that are both very important to the hospital. Keeping the hospital processes in mind,** it is clear that the network must be operational 24/7. Therefore, the new network must be stable and reliable and also be able to handle the workload of the hospital well.'

Jacco Juist, Head of ICT, Ziekenhuis Rivierenland

Challenge

**Why Ziekenhuis Rivierenland needed its network to scale**

**With increasing demands being placed on its network Ziekenhuis Rivierenland needed to replace its aging system, in order to support the demand driven by its move towards a more digital healthcare model.**

As an important regional hospital in the Netherlands, Ziekenhuis Rivierenland needed to keep abreast of innovation in order to provide a superior level of care to its patients. The hospital, which has 373 beds and hosts specialists across 19 disciplines, fills an important role in the provision of healthcare in its region.

With its network approaching end-of-life they wanted a system that would deliver not only more bandwidth to its data center, but also connect other key pieces of infrastructure together.

At the same time, they needed to ensure that the network remained secure and available throughout the transition process, as any disruption would have an impact on their ability to provide the appropriate level of care to their patients.

Solution

**How the network supports their digital transformation**

**Supporting the digital transformation of Ziekenhuis Rivierenland was a key objective for the network, enabling the medical personnel and administrators to operate more effectively, delivering a higher level of patient care.**

The upgraded network was critical for Ziekenhuis Rivierenland, in maintaining a high level of care for its patients.

The modern hospital is driven by data, with administration and medical functions all relying on connectivity to operate.

The large number of applications of Ziekenhuis Rivierenland, both running in the data center and on the core network, needed additional bandwidth to function smoothly. At the same time the complexity of the environment meant that the hospital's IT Team needed to leverage our managed services expertise to ensure that the network remained secure and available.

In order to deliver 24/7 availability and to be able to access EPD and other crucial applications at all times, the hospital decided to implement a second network, resulting in the highest possible availability.

Outcome

**What digital healthcare allows them to achieve**

**With a modern network in place Ziekenhuis Rivierenland will be able to move ahead with its plans to create a fully digital healthcare environment, providing its patients with the highest level of care and streamlining administration.**

The network forms the foundation in the creation of a fully-digital healthcare facility. With a fully-supported network they are able to deploy a comprehensive hospital information system, fully digitizing all patient records. At the same time, the various medical imaging systems will be able to route vital patient information to the relevant specialists without any delays caused by bandwidth constraints.

In addition, they can look at leveraging the power of private cloud technologies to ensure that systems can scale seamlessly, while still delivering the required levels of patient confidentiality.



**Which technologies?**

- Ziekenhuis Rivierenland hospital network
- Network authentication
- Internet firewalls

**Which services?**

- Uptime support services and Service Delivery Management
- Release Management Consulting
- Problem Management
- Reporting