

CASE STUDY: UNIVERSITY HOSPITAL LEIPZIG (UKL)



UNIVERSITÄT
LEIPZIG
Medizinische Fakultät

UKL Automates Hospital Processes with High Reliability and Performance

Challenges

- Flexibility and bandwidth to support roaming for 6,500 users and 18,000 devices per month across hospital campus.
- Secure automation to meet Federal Office of Information Security (BSI) regulations and protect sensitive patient data.
- Eliminate downtime so hospital staff can efficiently use critical medical devices and applications.

Extreme Solutions

- Extreme Wireless™
- Extreme Switching™
- Extreme Control™
- Extreme Premier Services

“For a network manufacturer, strategic cooperation such as in Leipzig is very interesting. Several times, a request that the University Hospital has approached us with has been incorporated in the development of new solutions and technologies. Through direct contact, we receive requirements first-hand, can implement them in software solutions, and create added value for the medical sector.”

Volker Knauth, Senior Account Manager, Extreme Networks

The University Hospital Leipzig (UKL) is Germany’s second oldest university medical institution, providing care for more than 400,000 patients annually at its 1450-bed hospital. The hospital’s staff is represented by more than 55 nations, working together in patient care, medical research, and teaching in clinics, institutes, and medical facilities.

In healthcare environments, the network infrastructure must meet high-quality standards, especially in terms of flexibility and security, to deliver the best quality patient care. UKL required a solution with maximum security and authentication control to protect thousands of users and devices hosted on its network. Additionally, with such a large variety of medical devices managed over the network, UKL needed to further implement automation and segmenting to improve operational efficiencies.

In partnership with Extreme Networks, UKL deployed more than 1,000 new APs and 500 switches across its campus to increase bandwidth and support its dense environment. The hospital also obtained 24/7/365 professional tech support through Extreme Premier Services. The combination of the new hardware and services has enabled UKL to bolster its network security while automating critical processes, saving the hospital valuable time and resources. Now, without having to worry about network performance, the hospital staff can focus on delivering better patient care and outcomes.

“We have entered into strategic partnerships with our key suppliers. We will also strategically promote network segmentation as a security topology separation, together with our proven hardware partner, Extreme Networks.”

Daniel Pfuhl, Head of System Management, UKL

Results

Simplicity

- Simplified, secure onboarding and network access for authorized personnel.
- Eliminated physical separation of service networks which improves network flexibility and cost efficiency.

Security

- Automatic segmentation of critical hospital devices and equipment like PCs, X-ray machines, robots, and other IoMT keep devices securely isolated.
- Future proof solutions will further promote automation and security strategies as hospital operations expand.

The Value of Service

- 24/7/365 support from network experts dedicated to resolving unforeseeable scenarios.
- Dedicated Premier Services team to provide guidance on deployments, technology challenges, delivery and more.