Wi-Fi 6 and IP Network Infrastructure to Improve Healthcare Services for 190,000 Patients

Technology Needs

- To transform IT operations, by improving network efficiency
- To improve bandwidth and network security for 13 CHU facilities and clinics
- To simplify integration, monitoring and management for medical devices and IoT
- To advance in healthcare services for patients

Extreme Solutions

- ExtremeSwitching™
- Extreme Management Center™
- ExtremeWireless™
- Extreme Automated Campus Solution
- Extreme Fabric Manager™
- Extreme Fabric Connect™
- ExtremeAnalytics™
- ExtremeControl™

> *"Thanks to the new network provided by Extreme, the hospital can now continue to supply a world-class healthcare service"*

Guillaume Michéa, Network and Communications Manager

The CHU Dijon Bourgogne is an advanced healthcare organization, centered on patient care. With more than 7,500 professionals, the CHU Dijon Bourgogne is the leading healthcare organization in Côte d'Or. Focused in proximity healthcare services, CHU Dijon meets all the healthcare needs of the population of the city of Dijon, but also of the Burgundy region and beyond, which means nearly 190,000 people. To go forward in its digital transformation initiatives, Dijon University Hospital has relied on the expertise of Extreme Networks to deploy the latest generation of networking tecnologies, capable of simplifying integration, monitoring and management of medical devices and IoT within the Hospital`s facilities. The CHU Dijon has just extended the virtualization of its network backbone, and automated service provisioning for its new Wi-Fi 6 APs, in order to gain freedom, security and operational efficiency.

> *"Our organization is the healthcare backbone of the region. In order to provide the best healthcare services, we needed a network capable of simplifying day-to-day management tasks for our IT team."*

Guillaume Michéa, Network and Communications Manager

Results

Increased Efficiency

- Fast and reliable Wi-Fi connectivity, which relies on a multi-site wireless network
- Convergence of more than 800 Wi-Fi hotspots (WINGS), 350 virtual machines (VM) and 150 switches, thanks to ExtremeSwitching™ and high-density ExtremeWireless APs.
- Bandwidth optimization across the Hospital's facilities, enabling advances features such as biomedical mobility, IoT security and application virtualization on the network – via Extreme Wi-Fi 6.

Improved Security

- Elimination of backdoor entry points, prevention of lateral movement in the network and isolation of potentially unreliable personal IoT devices.
- Management and reporting on all aspects of edge LAN security and of the wireless LAN.
- Rapid detection of potential threats to the network.

Increased Productivity for the IT team

- Granular visibility and control of every application running on the network, which makes network management simple and easier
- Automation of repetitive management tasks on-premise
- Time savings for IT teams, liberating resources for higher-value technology initiatives

Better Experience

- Ease of network deployment, as well as simplified and automated configuration.
- Any deployment can be done in seconds rather than in hours, with a high degree of simplicity.
- Simplified remote network management, which streamlines IT operations

> *"With Extreme, we have gained more freedom and flexibility when it comes to design of our network infrastructure."*

Guillaume Michéa, Network and Communication Manager