CORNING

Healthcare – Hospital, Southeast USA

Next-generation patient care demands a next-generation network

Background

- Expansion of the existing 400,000-square-foot facility.
- Campus with full-service, acute, and emergency care facilities offering world-class medical research and patient care.
- High-technology applications are critical, with state-of-the-art facilities providing visitor entertainment.

Meet the Project Lead

Vince, the network planner, is responsible for making sure the critical infrastructure runs 24/7.

Challenge

Providing critical connectivity

Vince's decisions must ensure that the facilities run smoothly around the clock to guarantee patient safety and care. Offering the world-class medical care critical to so many patients includes enabling access to a number of high-tech applications and services. Rising local crime has also made public safety a priority. Because of this, Vince must align CCTV coverage, an emergency call box system, and Wi-Fi, which were running on three different networks across the medical campus.
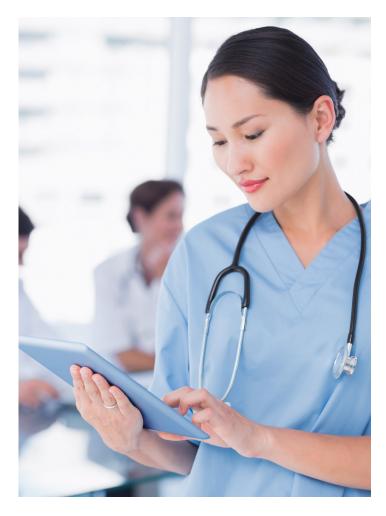
Meeting the End Users' Needs

- High-speed and disruption-free coverage for all communication needs.
- Unlimited bandwidth for wireless medical testing and monitoring systems.
- Patient monitoring, electronic medical records, and public safety communications across a high-tech infrastructure in multiple buildings.
- Simplified network to manage multiple public safety applications.

Solution

Technology

The Corning® Optical Network Evolution (ONE™) SD LAN solution allows optical fiber to be extended deeper into the horizontal local area network via network electronics that enable IP-based wired and wireless services. The solution supports security cameras, Wi-Fi, and emergency code blue boxes in the parking lot in a space-saving, structured system. Using a centralized infrastructure with an active Ethernet deployment (point-to-point), everything in the network is fed from a single closet. The elimination of a rip-and-replace infrastructure and the ability to add future services and applications with no disruption to the hospital enables future cost savings of up to 50 percent compared to other solutions.

Always-on connectivity enables state-of-the-art services and technology.

🔗 See What's Possible in Your Network

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