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When Connectivity is Not Optional

Extending the In-Building Network Outdoors

Healthcare Parking Complex: South Central USA

Background

- Three existing hospitals, each needing to connect their own parking garages.
- Each six-story, 330,000-square-foot parking garage requiring connectivity.
- Indoor/outdoor environment encompassing long distances.

Meet the Project Leads

- *Melissa*, hospital CIO, responsible for leveraging technology to assure the safety of all hospital employees and patients.
- *Tom*, engineering and design consultant, responsible for the network design and installation.



Challenge

In the healthcare environment, especially in a hospital setting, patient safety is of the utmost importance. The security of a communications system is critical, and this can be especially challenging when delivering connectivity across long distances, such as in remote parking locations, throughout a healthcare campus.

Meeting the End Users' Needs

- Security with future-readiness for Wi-Fi.
- Restrictions included one telecom closet to serve six floors with connectivity.
- Reduce cost and maximize flexibility, while working with limited pathway and closet space.
- Network to accommodate reduced risk to patient safety and health.

Solution

The use of the Corning® Optical Network Evolution (ONE™) SD-LAN Solution placed control and bandwidth at the edge of the network, giving the end user flexibility. This enabled the solution to support multiple technologies: security, Wi-Fi, and an emergency call system.

In addition, remote powering and composite cabling eliminated the need for multiple intermediate distribution frame (IDF) closet spaces – important in this setting, which does not traditionally have a telecommunications infrastructure. The end user was able to reduce conduit requirements, labor, and cabling infrastructure, all while overcoming distance limitations. At the same time, the healthcare facility was able to ensure the security of its patients with a reliable network infrastructure.

 See What's Possible in Your Network

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