

CASE STUDY

Private Wireless Network Plays Key Role at RUSH Cancer Center

CHALLENGE

Construction sites and hospitals are complex environments characterized by numerous stakeholders who rely upon myriad services, applications, and devices. Connectivity is integral to support data-intensive and voice communication needs that are both business- and mission-critical. However, the demands on wireless networks today outpace the capabilities of Wi-Fi which was developed nearly 25 years ago

SOLUTION

RF Connect deployed a Private Wireless Network to provide connectivity to the new Rubschlager Building during its construction to cover the building, outdoor spaces, and surrounding construction trailers. The network combines Private LTE and point-to-point topology and supports the build out as well as patient care overflow inside the partially completed structure throughout its construction. The solution is based on the company's CELlocity Private Wireless Network packet core which utilizes an open architecture platform.

BENEFITS

The Private Wireless Network leverages LTE's inherent benefits of performance, reliability, and security. During construction, a point-to-point network connected the Rubschlager Building site with the existing Rush University Medical Center tower. The Private Wireless Network proved to be an ideal solution because it could be quickly deployed and scaled to meet evolving connectivity requirements of all wireless devices throughout the construction of the Rubschlager Building and beyond.

BACKGROUND

The Joan and Paul Rubschlager Building is a state-of-the-art outpatient care center for cancer and neurosciences which also comprises training, education, and research.

Wireless connectivity was needed during construction of the 10-story building to support construction applications and two-way radio communications as well as connectivity for electronic medical record applications and medical staff communication.



"By engaging a visionary partner in RF Connect to architect our wireless strategy, we have become an early adopter of Private Wireless Networks"

Spokesperson

RUSH University Medical
Center

FOR MORE INFORMATION

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