

Xirrus Offers the Right Diagnosis for Liverpool Women's NHS Foundation Trust Hospital



Since delivering its first baby 210 years ago, Liverpool Women's Hospital has evolved into the UK's largest specialist women's health-care provider. Today, Liverpool Women's NHS is a concentration of highly specialized skills, experience and facilities.

Over the past 200 years Liverpool Women's NHS Foundation Trust has become England's largest Women's Health Service Provider. As a teaching hospital, Liverpool Women's NHS Foundation Trust is associated in this task with the University of Liverpool, Faculty of Medicine. As one of only two such specialist trusts in the UK, Liverpool Women's NHS is fully equipped to provide world-class professional and personal care to their patients.

Liverpool Women's NHS demands a wide range of services both on the front line and behind the scenes to support their operations. To better service their patients, Liverpool Women's NHS embarked on collecting patient information and Electronic Prescription Applications via a wireless network. The Trust aspired to have doctors, nurses and other staff members seamlessly connect to wireless-enabled laptop computer carts to deliver a host of applications designed to improve the care and efficiency of the hospital staff.

Delivering High Performance Wi-Fi with Xirrus Arrays

Liverpool Women's NHS turned to Xirrus to design a world-class wireless network that would provide the needed coverage, reliability and security to support a wide range of current and future applications. Xirrus was an obvious choice for the Trust, offering a powerful suite of wireless products, combined with excellent service and support, for a best-in-class wireless deployment. With Xirrus, Liverpool Women's NHS was able to surpass their requirements, while exceeding their goals to improve efficiency throughout their facilities.

Infrastructure Requirements Included:

- Provide ubiquitous, high-bandwidth wireless connectivity hospital-wide
- Support new "single" user sign-on scheme from Imprivata
- Seamless interface with Active Directory

The Xirrus Solution Provided:

- Arrays that integrate 4 to 16 radios, high-grain directional antennas, a multi-gigabit switch into a single access device
- 4X the coverage and up to 8X the bandwidth and capacity
- Ability to use high-performance applications like medical imaging transfer and patient record access
- Security necessary to meet HIPAA and other healthcare regulations

Benefits:

- Provided an intelligent architecture with point-of-care Patient Monitoring
- Enabled electronic patient prescribing at the bedside
- Computerized provider order entry (CPOE), PACS, and use of the Trust's clinical systems including Badger and Meditech Patient Administration Systems
- Surpassed their requirements, while minimizing equipment and cable drops

Providing a high capacity, high bandwidth, and scalable wireless infrastructure is critical to improving patient care and proficiency in today's hospital environments. Only Xirrus was capable of providing a wireless network with the same quality user experience as a wired network, while achieving fast and seamless roaming.

"Xirrus provides a wireless infrastructure that goes beyond a sea of access points and controllers, one that will provide the wireless foundation for a wide range of applications enabling us to truly mobilize our staff to improve patient care," said Dr. Zafar Chaudry, director of information management and technology, Liverpool Women's NHS Foundation Trust.

Future utilization of the wireless network will involve tablet PCs and voice over wireless handsets that deliver electronic charting capabilities and better communication capabilities throughout their facility. Known for technological leadership and utilizing it to improve all aspects of patient care, the Trust has achieved a best-in-class wireless network that is able to sustain demands for years to come.

The Xirrus Advantage

With the explosion of smartphones and tablets, mobility has become ubiquitous. People expect to connect wirelessly. Organizations depend on high-bandwidth to send and receive voice, video and data, from any device to any one. And no one delivers better than Xirrus. Our array-based solutions are unique. They draw from cellular tower design principles to provide wired-like reliability, increased user density and capacity plus superior security. They perform under the most demanding conditions and have lower infrastructure requirements. When integrated with business and IT objectives, they help you do more than ever before.

At Xirrus, we apply the "best practices" of wired networking to wireless infrastructures by distributing the intelligence to the edge and outfitting the Array with dense multi-state radios in the same manner as a wired switch. That's how Xirrus delivers the best performing, most scalable wireless solutions in the industry. It's a strategic IT infrastructure advantage that fuels organizations. Because Xirrus does wireless networks right.



"Xirrus provides a wireless infrastructure that goes beyond a sea of access points and controllers, one that will provide the wireless foundation for a wide range of applications enabling us to truly mobilize our staff to improve patient care."

DR. ZAFAR CHAUDRY,
director of information technology,
Liverpool Women's NHS
Foundation Trust.



1.800.947.78.71 Toll Free in the US
+1.805.262.1600 Sales
+1.805.262.1601 Fax
2101 Corporate Center Drive
Thousand Oaks, CA 91320, USA

To learn more visit:
xirrus.com or
email info@xirrus.com