

# The Prescription for European Medicines Agency is a High Performance Wireless Network with Xirrus Arrays.



The mission of the European Medicines Agency (EMA) is to foster scientific excellence in the evaluation and supervision of medicines for the benefit of public and animal health. EMA is a decentralized agency of the European Union, located in London. EMA works closely with its European partners to build the best possible regulatory system for medicines for Europe and protect the health of its citizens.

In their ongoing effort to stimulate research and innovation in the scientific evaluation industry, EMA is committed to continually assessing their processes and procedures. To improve on EMA's antiquated wireless network required a high quality, robust wireless network capable of supporting internal evaluation and research applications, while also offering exceptional connectivity for VoIP and guest access. Xirrus was able to deliver a high performance wireless network and supply fast and seamless roaming with enough bandwidth to support all of EMA's wireless requirements well into the future.

## Delivering High Performance Wi-Fi with Xirrus Arrays

In order to achieve the high performance wireless network the European Medicines Agency needed, it was imperative that the agency move away from the traditional access point architecture and find a wireless device capable of handling all their network requirements. The innovative design of the Xirrus wireless Array delivered on all the Agency's requirements. Xirrus was able to seamlessly integrate into the EMA building architecture, while effortlessly creating a high capacity network that offered a solid wireless connection for employees and guests.



EMA is a decentralized agency of the European Union, located in London. Its main responsibility is the protection and promotion of public and animal health, through the evaluation and supervision of medicines for human and veterinary use.

### Infrastructure Requirements Included:

- High quality, robust wireless network for internal use and guest access
- Support for real-time voice and data applications, compensating for non-existing GSM coverage in buildings
- High capacity network with connectivity throughout office space

### Xirrus Solution Provided:

- Coverage across their buildings and research facilities using 75% fewer devices
- Arrays that integrate 4 to 16 radios, high-grain directional antennas, a multi-gigabit switch, controller, firewall, and threat sensor into a single access device.
- 4X the coverage and up to 8X the bandwidth and capacity
- Security performance necessary to meet healthcare regulations

### Benefits:

- High performance network capable of handling research and evaluation applications
- Fast and seamless roaming for supporting VoIP network
- Efficient bandwidth to allow for International guests access with ease of user connection and authentication

Leading enterprises around the globe are upgrading their existing wireless infrastructure and Ethernet workgroup switches with the Xirrus wireless Array because it's the only wireless Array capable of delivering the coverage, performance and security required of today's technology applications. Xirrus is able to supply superior performance, while simplifying the wireless deployment process.

Considered the 'hub' of the European medicines network, EMA consists of a pool of over 4,500 European experts that interact with thousands of companies depending on the key features and development status of the medicine or technology. With Xirrus, EMA could provide efficient bandwidth to support all their International guests, as well as provide easy user connectivity and authentication. Xirrus also supplied fast and seamless roaming for their VoIP requirements, achieving superior coverage across their buildings and research facilities. Deploying Xirrus required 75% fewer devices than EMA's previous wireless network, while providing reliability for all of their research and evaluation applications.

Xirrus was able to design a network unmatched by the European Medicines Agency's previous wireless network. Since deploying Xirrus wireless Arrays, EMA has achieved flawless wireless connectivity, allowing their continued focus to center on what they do best; stimulating innovation and research in the pharmaceutical sector for the benefit of public and animal health.

### 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.



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](http://xirrus.com) or  
email [info@xirrus.com](mailto:info@xirrus.com)