

Shure Wireless Helps Turn MidState Medical Center Operating Rooms Into Virtual Classrooms

Shure ULX-D® Digital Wireless System and PSM®900 Give Medical Students an Opportunity to Interact and Observe Leading Surgeons

NILES, Ill., Aug. 4, 2014—When surgeons enter operating rooms at MidState Medical Center, a state-of-the-art hospital in Meriden, Conn., they take on two critical roles. Their primary responsibility is patient health, but the second role they have is to demonstrate best practices and procedures in front of a virtual classroom. Two specific operating rooms—the Hybrid OR and the Robot Room—at the medical learning facility enable a global student audience to observe surgical procedures through videoconferencing technology.

When Gary Blumberg, Hartford Healthcare Collaboration Services Manager at MidState Medical Center, was charged with selecting audio equipment for the new, advanced operating rooms in 2013 he had very specific, nonnegotiable requirements. To avoid the heavy RF interference caused by the hundreds of surrounding medical devices, Blumberg knew he'd need a system with cutting-edge wireless technology. For patient privacy purposes, he also required reliable and advanced encryption capabilities. Headsets that were comfortable and lightweight were also critical, which required Blumberg to be selective about the headset chosen—as he knew doctors wouldn't have an opportunity to adjust the microphone during surgery.

After witnessing the advanced frequency coordination, monitoring, and control available with the Shure ULX-D® Digital Wireless System and Wireless Workbench® 6, Blumberg enlisted Viju Group and decided to install four channels of wireless. He was also confident that the system's AES 256-bit encryption would provide secure wireless transmission and protect patient privacy.

“The features we needed from a wireless system for this installation weren't optional, they were all must-have requirements,” said Blumberg. “Frequency management, secure wireless transmission, and a lightweight, hands-free design are all factors that could potentially interfere with surgeons' performance and our patients' well-being. ULX-D didn't just meet these requirements—the system exceeded them. So far, its performance has been flawless, and we've been especially impressed by its set of frequency management tools—that feature alone is priceless.”

To give students an opportunity to engage directly with the experts after each procedure, Viju Group also installed the Shure PSM®900 Wireless Personal Monitor System in the operating rooms. Two-way communication between medical students and physicians is coordinated by a control room technician, who facilitates the discussion from a Shure Microflex® 418 Gooseneck Microphone.

“Virtual learning at MidState Medical Center has brought an invaluable advantage to students around the globe,” said Blumberg. “For the future success

of medicine, it's imperative that tomorrow's doctors have an opportunity to interact with and learn from today's leading physicians. ULX-D is helping us empower the next generation of doctors."



Shure ULX-D® Digital Wireless System is combined with PSM® 900 Wireless Personal Monitoring System and Microflex® 418 Gooseneck Microphone to enable virtual learning in two MidState Medical Center operating rooms.

About Shure Incorporated

Founded in 1925, Shure Incorporated (www.shure.com) is widely acknowledged as the world's leading manufacturer of microphones and audio electronics. Over the years, the Company has designed and produced many high-quality professional and consumer audio products that have become legendary for performance, reliability, and value. Shure's diverse product line includes world-class wired microphones, wireless microphone systems, in-ear personal monitoring systems, conferencing and discussion systems, networked audio systems, award-winning earphones and headphones, and top-rated phonograph cartridges. Today, Shure products are the first choice whenever audio performance is a top priority.

Shure Incorporated is headquartered in Niles, Illinois, in the United States. The Company also has regional sales and marketing headquarters in Eppingen, Germany, and Hong Kong, China, with more than 30 additional manufacturing facilities and regional sales offices throughout the Americas, EMEA, and Asia.