

Advanced Medical Transport of Central Illinois

Seamless, Efficient, Multi-Tiered Communication

OVERVIEW: As the premier provider of emergency and scheduled ambulance services in Central and Western Illinois, as well as parts of Iowa, Advanced Medical Transport (AMT) required seamless, efficient communication for its many employees inside the building and throughout the community. A state-of-the-art communications center was critical to relaying information from incoming phone calls to emergency teams. AMT also provides top-notch education for those working in or entering the healthcare field, so an advanced medical simulation and training system was needed to effectively provide lifesaving instruction.

CHALLENGE: Technologies evolved since AMT's first call center opened as Mobile Medic in 1978, so more powerful systems and upgraded equipment were imperative to assuring fast, efficient communication. AMT is continually training staff to be their best and creating a state-of-the-art medical simulation training facility for their team is key to their success.

STRATEGY & GOALS:

Pearl Technology provided custom audiovisual solutions focused on user experience and enterprise standardization.

New Simulation and Training Center

- Three-station control room that monitors audio and video from three training rooms and the ambulance
- Each individual simulation room includes an ultra high-definition pan/tilt/zoom (PTZ) camera, fixed camera, and microphone
- Larger simulation room has two PTZ cameras and microphones due to size
- Control stations can talkback into these rooms
- Two side offices monitor both audio and video from any of the training rooms
- Local laptops can be connected for debriefing and presentations
- Training ambulance has two fixed high-definition cameras and a microphone for control/monitoring at any of the three control stations, along with a small speaker allowing talkback from the control room to the ambulance
- Each of the three training rooms and the ambulance have equipment for dedicated recording of audio and video for archiving or playback
- Small and large classrooms include ability for large groups of students to experience or monitor audio and video from any of the four training areas

Connect with us.

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New Simulation and Training Center (continued)

- Ability to remotely proctor and control one simulation, which works in conjunction with a PC with installed conferencing software
- Remote participants can choose the room, see the cameras, control the PTZ camera, hear the room, and communicate with those in the room
- User can start and stop recording as needed

State-of-the-Art Dispatch Center

- Upgrade of dispatch center projectors
- Laser-based (lamp-less) projectors, each with 4k resolution rated for 24/7 operation

Enhanced Large Classroom for AV Conferencing

- Upgraded with same video conferencing system as installed in the executive boardroom for a consistent user experience throughout the facility
- Enhanced large classroom projection system and audio/video recording capabilities

Upgraded Small Classroom Video Conferencing and Recording

- Enhanced the audio and video conferencing with recording capabilities, using the same platform and experience as in the executive boardroom and large classroom



Jeremy and the audiovisual team did a fantastic job providing everything we requested. They helped create a simple way for us to stream to our classrooms, with good sound and video quality. The installation is very clean, and I'm proud to show it off to other industry professionals. The way it's set up now makes it much easier for large groups of people to get a hands-on experience, even if they are not physically in the rooms.

Overall, the simplicity has created an enhanced learning/working environment for the employees who participate in our educational sessions, while making it easier for our instructors to drive home key aspects of lifesaving procedures.

– Brad Norrell, IT Director at AMT



CUSTOM AUDIOVISUAL SOLUTIONS

Pearl Technology recognizes **user experience (UX)** is the most important part of any solution. That's why our team offers tools that everyone can use, with minimal setup time. Our audiovisual integration specialists create custom solutions for complex problems focused on **enterprise standardization** too. So, whether the technology is implemented in one location or several, it's uniform throughout to ensure simple, seamless use.

- Design
- Installation
- Commissioning
- Service

INDUSTRY STANDARDS

High-quality audiovisual systems with consistent, measurable performance are what companies need for efficient communication in today's marketplace. Industry standards ensure the objectives are met. Organizations like AVIXA (Audiovisual Integrated Experience Association) and AQAV (Association for Quality in Audiovisual Technology) strive to bring audiovisual systems to the highest levels available today. These organizations set the bar, and our audiovisual specialists assure their standards are utilized throughout the design and installation process.