ADVANCED AV SYSTEMS ELEVATE HIGHER EDUCATION LEARNING

Moraine Park Technical College

Q-SYS Drives Moraine Park's Next-Gen Learning Environments

📍 Font du Lac, WI

Moraine Park Technical College is dedicated to inspiring, educating, and uplifting its communities. With campuses in Beaver Dam, Fond du Lac, and West Bend, Moraine Park serves more than 14,000 students annually, offering accessible, high-quality education. Recognized as one of the best community colleges in Wisconsin, Moraine Park continually seeks innovative solutions to fulfill its mission. To achieve this, Moraine Park has made a significant investment in the Q-SYS platform to deliver the best on-campus and online learning experiences for students and teachers.

> **"We selected Q-SYS for its dependability and scalability, which enable us to deliver uninterrupted video conferencing and remote learning to all our students across multiple campuses."**
>
> **-Matthew Horton**
> *Instructional Technology Manager, Moraine Park Technical College*

Challenges

The Spark of Potential

Moraine Park aimed to provide its top-tier education across multiple locations without requiring extensive student travel. Matthew Horton, the instructional technology manager, played a crucial role in addressing this challenge. "A primary goal for the college has consistently been to decrease the travel requirements for our students," he said. "We have approximately 40 Microsoft Teams-based video conferencing classrooms distributed across our three campuses, allowing us to conduct classes from any site. We selected Q-SYS for its dependability and scalability, which enable us to deliver uninterrupted video conferencing and remote learning to all our students across multiple campuses."

Solutions

Customization and Control

One of the standout features of the Q-SYS system is its customization capabilities. Horton developed a custom plugin to streamline the setup process for different rooms. "I wrote a custom plugin that triggers presets in Q-SYS Designer Software for all the necessary room settings. This simplifies setup and ensures consistency across our campuses," he said. Q-SYS system integrates with Moraine Park's access control system, allowing for automated door locks and unlocks during classes. Horton added, "When a call starts, our doors unlock so students can get in. If an instructor needs to lock or unlock a door, they have that control capability with the user control interface."

The implementation of the Q-SYS system has been a resounding success. Horton said, "We haven't had any complaints from instructors. The rooms with Q-SYS control have been functioning exceptionally well, and the instructors have taken to them like any other room." The system's reliability and ease of use have minimized technical issues, allowing instructors to focus on teaching. Additionally, the integration with Microsoft Teams has provided a comprehensive solution for remote learning and classroom management.
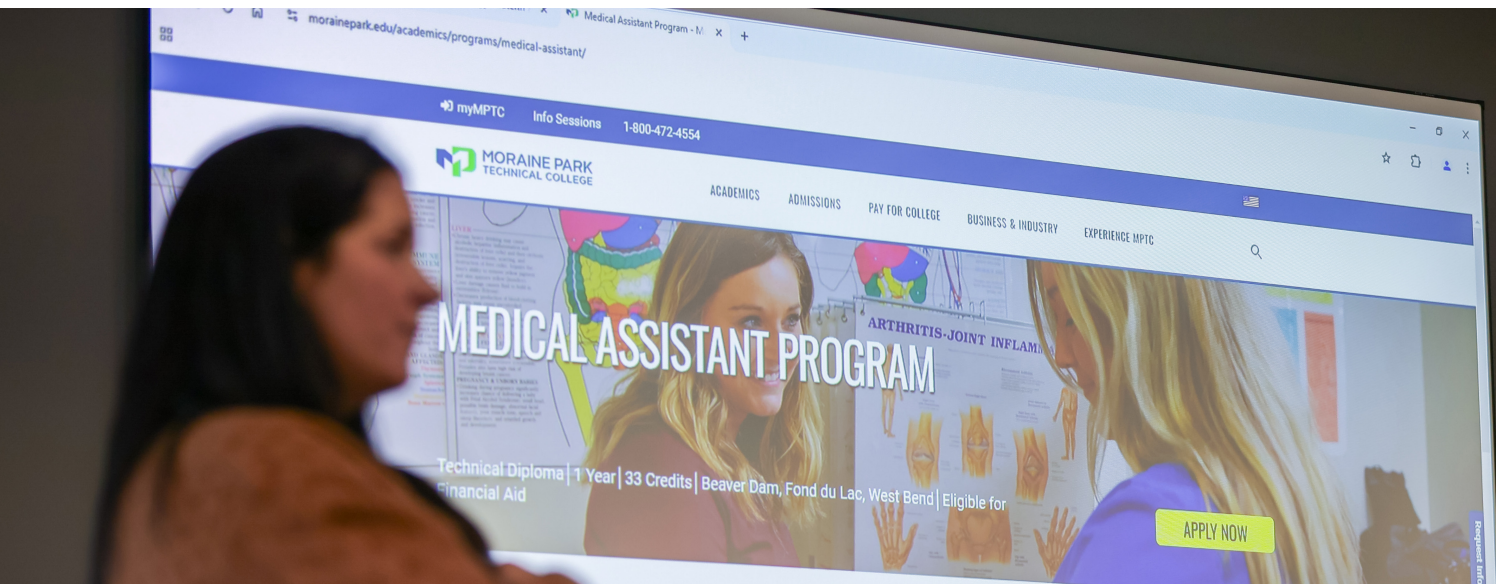
Solutions

Smooth Video Conferencing

Moraine Park integrated Q-SYS in its video conferencing rooms with a Q-SYS Core 110f processor for primary audio, video, and control processing, along with Sennheiser TeamConnect Ceiling 2 microphones for clear audio capture. The transition to Q-SYS was smooth, even during the shift from outdated video conferencing software to Microsoft Teams. The Q-SYS Core 110f processor, which has been their main processor for some time integrated easily and straightforwardly. Additionally, transitioning from older third-party cameras to Q-SYS network PTZ cameras has resulted in outstanding performance, demonstrating the enhanced communication and integration achieved with native Q-SYS hardware.

Future Plans

Looking ahead, Moraine Park plans to further enhance its capabilities with Q-SYS. Horton is particularly excited about the potential of improving the college's video distribution capabilities. "I'm really looking forward to trying the NV-32-H network video endpoint and taking advantage of the Q-SYS Vision Suite Intelligent Audio," he said. "Pinpointing a camera location with beamforming audio and having more precise control will be even better. Plus, we can use intelligent audio switching capabilities with our current equipment, at no extra cost."

Q-SYS™

Q-SYS is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums—and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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