

Case Study: Alliance of Motion Picture and Television Producers

The Challenge

Upgrading a conference room and several meeting rooms with video conferencing, display, and control systems while still utilizing some existing hardware. In a large boardroom with high ceilings and conference table style seating for 60, create an environment with a microphone for each person with high-quality audio played back in the entire space.

The Approach

An inspection of the existing hardware and systems gave us an understanding of critical components for upgrades and opportunities for repurposing hardware. A site visit for acoustical analysis in the boardroom revealed that the room characteristics created an audio environment with a very high potential for feedback and distortion, so sound reinforcement and signal processing would be a critical component of this room.

The Design Solution

For the conference room, we used 36 wireless microphones to surround a single large table with a drop-down screen and a 90" monitor for visibility from all seats. Wireless connectivity was achieved with a Clickshare System, and a wireless Ipad served as the controller. Two other rooms were outfitted with wall panel control systems, mounted cameras, and ceiling-mounted projectors utilizing existing audio hardware and screens.

For the boardroom, we determined that an 8-zone, mix-minus configuration was the right solution for this situation. By selecting a high-quality DSP (digital signal processing) unit from Clearone and determining the right attenuation and gain structure based on the number of open mics and careful placement of the speakers we created a sound environment with up to 60 mics on at a given time, with no feedback and optimal sound quality throughout the space.



Since 1982, the Alliance of Motion Picture and Television Producers (AMPTP) has been the trade association responsible for negotiating virtually all industry-wide guild and union contracts. The AMPTP, the entertainment industry's official collective bargaining representative, negotiates 58 industry-wide collective bargaining agreements on behalf of hundreds of motion picture and television producers.



The Result

Through careful hardware selection, environment analysis, research, and testing, we accomplished both our goals on time and on budget. The signal processing hardware and microphones selected for the boardroom paired together perfectly, resulting in a sound system that is just the right volume for all participants without any feedback and the ability for each person to shift in their chairs significantly and still be heard. The meeting and conference rooms all received control and display technology upgrades while still utilizing key components of the original hardware, which saved on budget and room downtime during implementation.

