

Canby School District

The Canby School District Applied Technology Center was designed to give students, instructors and the community a unique space devoted to learning and showcasing the district's technical arts program. The school district planners, along with architects Dull Olson Weeks, gave the building an industrial feel with a high-tech edge. The centerpiece of the building is a multipurpose space known as the Omni Room. The room was designed to be flexible enough to host school board meetings, community gatherings, technical trade shows yet still be used as classroom space. The district also recognized the need for audio-visual systems that were as flexible as the space itself and called on CompView to help conceptualize, design and build an A/V environment.

To ensure presenters and board meeting participants will be heard, voice enhancement systems that include push-to talk microphones, wireless lapel and wireless handheld microphones were installed. The microphones tie into an audio conferencing system that allows remote participants to listen and speak at the board meetings. Discreet, ceiling mounted speakers provide voice amplification in the room.

To provide display capability, three Mitsubishi video projectors are discreetly mounted under the room's unique ventilation system and project onto three electric wall screens that are mounted so they follow the shape of the room's curved walls. The three-projector design allows multiple sources to be displayed simultaneously which is helpful during presentations that call for displaying both computer data and video.



Users can access the A/V system through a mobile media cart. This cart will plug into any one of four floor boxes strategically placed around the room. Each floor box is fully populated with multiple inputs to allow maximum flexibility for the end user. Presenters can simply plug in a laptop to the floor box, or use the media cart for more advanced presentations.

A separate system to record the events in the room was installed using three pan-tilt-zoom cameras that provide full room coverage. A control system for the cameras and a full editing bay were set up in a television production lab across the hall from the Omni Room. A single operator can control the cameras, edit, and publish meetings and events as they are happening. With this system, the district also has the capability to edit and publish board meetings and other events that take place in the Omni room for public access cable.



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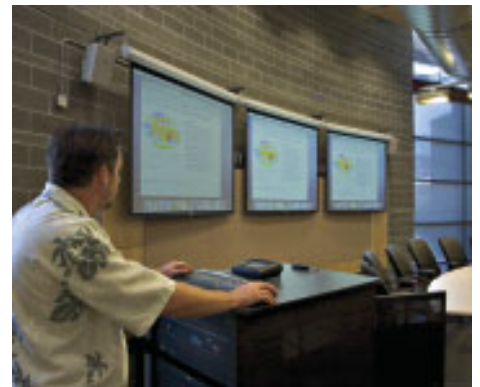
All the A/V equipment in the Omni room with the exception of the cameras is controlled by a wireless LCD touch panel control system. Users simply touch the control system screen to power the electric screens and projectors, move images from screen to screen, control program and voice enhancement audio, and for audio conference dialing.

All of the hidden components such as feedback suppression, microphone mixers, power sequencers, wireless transmitters and matrix switching, are rack-mounted in a lockable A/V closet in the room. This provides maximum security and ensures system integrity in a high traffic environment.

The foresight of the district in planning for this space and the seamless design approach by the CompView team provided the perfect partnership for a truly dynamic and original presentation environment.

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