



## Situation

The USC Institute for Creative Technologies is dedicated to developing simulation environments for military training and education. Their focus is on creating software that reflects human interactions and emotions – areas relevant in developing critical thinking and decision making skills. They create tools and immersive environments to experientially transport participants to other places. When USC decided to relocate ICT to a brand new LEED certified building, they worked with Spinitar to implement state of the art technology that was extremely functional for the end user and could provide a migration path for future growth and scalability. In addition, USC ICT also required a user-friendly consistent graphics interface with an enterprise wide Remote Management System for asset management and room scheduling.

## Solution

The Screening Room is a 135 seat theater used for conferences, presentations, meetings, and tours.

It features a Christie 10,000 lumen High Definition DLP Projector that projects onto a perforated Stewart projection screen eleven feet high by twenty-one feet wide with left, right and center QSC speakers installed behind. The perforations in the screen allow for the sound to travel directly out to the audience. The 7.1 surround sound QSC audio system also features six extra fill speakers, amplifier, and subwoofers. The room is equipped with two 5" AMX Control Panels on each side of the theater which control lighting. The podium houses a 17" ELO touch monitor that is tied into the AMX control system. The podium can also communicate with the control room via an AMX intercom system. Other control room equipment includes a 10" AMX control panel and Shure microphones. Other sources include high definition satellite TV receivers, a Blu-ray and DVD player as well as Biamp Audia Flex for audio processing and mixing system. Outside this room and all others is a 4.3" AMX portrait mode touch panel with RMS. Visitors can instantly see the room schedule that is pulled from the facility's Microsoft

AMX portrait mode touch panel with RMS. Visitors can instantly see the room schedule that is pulled from the facility's Microsoft Exchange server.

The smaller theater, known as the Executive Theater, is used for private viewings with high ranking personnel. It's unique round shape and extra thick walls, ceiling and floor absorbs sound to provide a completely immersive experience during screenings. The AV consists of a 70" high definition NEC LCD display with a 5.1 Tannoy surround sound system that is controlled by a 5" AMX touch panel. Spinitar installed multiple wall plates to allow for various kinds of lap top computer connectivity. All rooms are integrated with Blu ray DVD players and satellite television receivers.

The Events Room is used for large meeting and training sessions and is equipped with two 5,000 lumen ceiling mounted Mitsubishi projectors that project onto two motorized Da - lite tab tension screens on the left and right side of the front of the room. This room is controlled through a wall mounted AMX 5.2" touch panel.

Conference Room 202 is a midsize space with two 60" Sharp displays that are mounted with chief articulating mounts on either side of a Da-Lite projection screen providing UCT with three separate viewing stations. The audio system features four ceiling mounted Tannoy speakers and three Shure multi- element table top microphones for the audio conferencing system.

In the long hallway between the two theaters, there are eight 60" Sharp high definition displays mounted

in portrait mode. They are used to showcase ICTs software solutions. Content is fed to these displays via eight Mac mini computers that then feed through an AMX 8x8 HDMI pro matrix switcher.

## Results

USC ICT uses the various audiovisual systems to showcase their work in a format that is cutting edge and efficient.



The Theatre



The Events Room



Sharp High Definition Displays