

Solution Story: Navy Expeditionary Logistics Support Group

Another quality solution by the iSoft Team



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The Commander, Navy Expeditionary Logistics Group was relocated from Little Creek Naval Amphibious Base to a newly constructed building located at the Naval Weapons Station Yorktown - Cheatham Annex. The new facility consisted of multiple classrooms, a large auditorium and two formal conference rooms with no existing audiovisual equipment. iSoft competed against 5 other local and regional audio visual integrators and was awarded the project based on “best technical approach” and “best value determination”. We also designed an audio visual “flyaway” kit for the staff to take on deployments to provide presentation capabilities while in the field.



iSoft developed a design based on discussions with the end users concerning typical room use and expected activities in order to tailor the audio visual system aesthetics, functionality and future expandability to support the Command’s mission of providing training and support for DOD cargo and ordnance handling, tactical fueling and air/sea cargo terminal operations. In the end, iSoft installed AV systems in eight classrooms, two conference rooms and one auditorium.

The eight training classrooms were equipped with a display system including wide screen format projection surface and high lumen projectors to help overcome the limited control of ambient and artificial light in the rooms. Instructor lecterns were configured to support two local computer inputs in the audio visual system plus a guest laptop connection for guest presenters. A music grade audio system was installed in the room for sound re-enforcement for source audio. To conserve floor space, wall mounted swing racks were installed to house the matrix switcher, audio amplifier, control system processor and blu-ray player.

In the auditorium, iSoft installed a display and audio system to provide maximum coverage in a stadium seating auditorium designed to hold 150 people. The display system included a motorized ceiling mounted HD format screen with a 6000 lumen projector. A presenter lectern was equipped with system inputs for a local computer and guest laptop as well as an interactive Smart tablet and blu-ray player. Voice re-enforcement was implemented using fixed microphones hardwired to the lectern as well as a wireless system utilizing hand held and lapel microphones. These microphones were tied to the digital signal processor, amplifiers and speaker system designed to distribute voice and source audio evenly throughout the auditorium. A room control system with a wireless touch panel was integrated to simplify the overall system operation with easy to understand control features, allowing the typical end user to run the auditorium display and audio equipment without a requirement for advanced technical operator training.



The two conference rooms to support senior staff were upgraded from a temporary audio-visual setup equipment (table top portable projector and speakers) to Command level quality including 3,500 lumen LCD projectors displayed on high contrast matt white ceiling recessed screens. System inputs included a government furnished video conferencing system, local computer, guest laptop, blu-ray player and Smart Interactive touch panel all routed through a digital matrix switcher with analog input option for backwards capability. A music quality audio system for source audio playback was installed to maximize sound quality. Control for entire system is handled with a single wired touch panel installed in the conference room lectern eliminating the need for multiple remote controls. Custom programming was developed in consultation with the end user, enabling presenters to turn on system, select presentation source, and provide basic control over input equipment.



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Highlights

- Outfitted NAVELSG classrooms, conference rooms and auditorium with a solid digital audio-visual infrastructure, within a limited new construction budget.
- iSoft’s “best value” solution allowed the Command to accomplish its goal of installing a fully functional audio visual system tailored to each room’s functional purpose while also providing expandability for future growth and upgrades.
- iSoft designed an AV “flyaway” kit for deployments

