

Solution Story:

USS George H.W. Bush (CVN-77)

Another quality project by The iSoft Team



Date: May 2011

As the USS George H.W. Bush (CVN-77), the last of the Nimitz class aircraft carriers prepared to make its maiden deployment, iSoft was approached to design and install audio visual upgrades for several major habitability projects onboard the ship (Wardroom, CPO Mess and the Hangar Bay Audio System) as well as modernize its five shipboard classrooms to meet the training requirements of a leaner, more technologically advanced crew.



Wardroom Upgrade: iSoft designed and installed audiovisual equipment as part of a \$2 million dollar upgrade in the Wardroom. The audio visual solution consisted of a projector and screen, both recessed into the overhead. A surround sound system tied into overhead speakers and a public address system with multi-media inputs tied into a flat panel display, projector and system LCD control panels. The concept was to create a system that can be used as one single multi-media room or broken down into three independent rooms that can support different presentations and/or training sessions simultaneously.

Highlights

- Audio/Visual Installation as part of a \$2M upgrade to Wardroom allowing for one large room presentation/training space or separation into three smaller presentation/training rooms.
- Designed and installed Audio/Visual solutions in five (5) shipboard training rooms.
- Designed and installed audio system, speakers, wireless microphones in each of the five (5) shipboard training rooms.
- Designed and installed video conferencing systems in two (2) of the largest training rooms to create one super classroom that trains up to 70 students at a time utilizing one instructor.
- Wireless microphone system and multiple microphones, XLR and line lever jacks in Hangar Bay that allows multiple ceremony/awards staging area options.



USS George H.W. Bush—Wardroom #3 with multiple Displays and Large Motorized Recessed Screen



iSoft installed a Public Address and Music system in the Hangar Bay space to support ceremonies, embarked media presentations, crew “Movie Nights” and provide background music to enhance crew morale while working in the Hangar Bay spaces. This audio system covers an area of 95' x 200' with overhead height of 30' and consists of over 28 JBL 12' box speakers mounted in the overhead, driven by QSC dual channel 70-volt amplifiers and JBL wall mounted speakers.



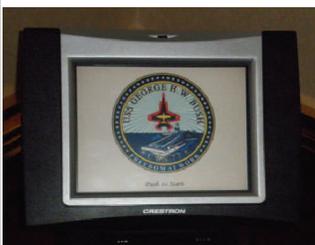
Hangar Bay Audio

iSoft designed and installed audiovisual equipment to modernize its five shipboard classrooms to meet the training requirements of a leaner, more technologically advanced crew to support the most advanced aircraft carrier in the world. The classrooms support all shipboard advancement, leadership, general military, administrative and damage control training for over 6,000 crew members onboard during deployment.

iSoft installed 50” commercial monitors, Smart Interactive Overlays, and 32” side monitors in each of the five training rooms to support a clear view of all presentation material for all students regardless of where they were seated.



Training Room #2



Wardroom #3—Customized Crestron Control Touch Panel