Solution Story: Navy Expeditionary Combat Command Public Address System

Another quality solution by the iSoft Team

The Navy Expeditionary Component Command, which serves as the single functional command for the Navy's expeditionary forces, identified a need for a public address system to support general administrative and emergency overhead voice paging within the Command Headquarters building. This decision was made in the wake of the recent widely publicized mass casualty incidents within government facilities in the continental U.S.

iSoft was contacted to offer a cost effective design to provide basic voice coverage throughout all the spaces in the building with the capacity to expand on the system in the future. After working with the NECC team to determine their needs, our engineers provided a system design that met their current and future requirements for the paging system. iSoft then presented a proposal which came in under budget and the project was contracted to iSoft through an 8(a) direct award.

iSoft designed and installed a paging system to provide complete coverage of all spaces on 3 floors within the building itself including the building stairwells and the area immediately outside the 4 exterior doors. Coverage areas included Sensitive Compartmented Information Facilities (SCIF) which required special coordinate for access and sealing of penetrations through walls for speaker wiring once the cable was run through existing conduit. In order to provide redundancy, iSoft installed a separate paging amplifier, power supply and volume controller on each floor within stacked electrical closets. In addition, a battery backup system was installed on each floor to support each amplifier independently.

iSoft was able to provide an economical emergency paging system combining expansion capacity for future upgrades with system redundancy to allow paging to continue in cases of equipment failure due to human sabotage or natural occurrences. Close coordination with NECC staff was required to allow iSoft technical staff access to virtually every space within the building to install the speaker system and then return to each room to test and adjust volume levels. On-Site training and yearly maintenance were also included with the installation.

Highlights

- Approximately 130 speakers were installed on three floors and several outside areas

- Corridor speakers product bi-directional sound for long hallways

- System redundancy was essential to prevent interference from outside sources