

# Solution Story: U. S. Fleet Forces Command

Another quality solution by the iSoft Team



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## Highlights



iSoft Solutions was selected to provide and integrate all of the new audio visual (AV) and video teleconferencing (VTC) systems for U.S. Fleet Forces Command (USFFC) required to meet their demands for the newly constructed headquarters building located at Naval Support Activity (NSA) in Norfolk, VA on behalf of Naval Facilities (NAVFAC). USFFC had recognized the need to support their current staff and migrating mission activities to the new building with expanded and enhanced video communication capabilities.

iSoft was awarded the opportunity to provide these capabilities due to a variety of factors: effective collaboration on design input, past experience with NAVFAC at NSA, depth of proposal response and cost competitive offering. iSoft's role on the project was turn-key and started with the completion of AV-VTC system design, including detailed system configuration drawings and product submittals. iSoft worked with the general contractor to collaborate on infrastructure requirements in order to support a "clean" integration of these systems upon completion of general construction. iSoft was responsible for providing equipment procurement, on-site installation, control system programming for complete integration, testing and commissioning and end-user training. iSoft also provided 1-year on-site maintenance services.

The AV-VTC solution centered around providing the capability for VTC bridging on both the Classified and Unclassified networks. iSoft provided two Cisco high capacity, IP based Multi-Point VTC bridge units with the applicable ancillary equipment, software and licenses to support up to 160 simultaneous standard definition VTC participants (or 80 concurrent HD participants) each.

The Codian Bridge chassis provided is capable of expansion to support additional standard definition calls or increased HD capability in the future. The non-secure Codian is capable of supporting 16 simultaneous traversed ISDN non-secure calls with growth capability. Six main VTC integrated conference systems were provided to primarily conduct VTC calls through the new VTC bridging system, with the ability to switch between secure and non-secure classifications. The VTC Codecs are also equipped to conduct multiple point-to-point calls and push content over VTC.

One of the conference rooms was developed as a SCIFF, requiring a dedicated and isolated JWICS codec to run on an isolated IP network along with a separate codec to enable standard Classified and Unclassified calls. The core of the integrated AV/VTC room systems was based off of a digital backbone using Crestron Digital Media digital media switches allowing for a 25% growth capacity.

The system provides backwards analog capability by allowing legacy analog connections, still in use, to maintain functionality with the new system. In addition to the VTC conference rooms, several meeting rooms and common area spaces were provided with AV system features for presentation and briefing purposes, primarily consisting of flat panels and KVM switching devices for secure and non-secure network access. All VTC rooms are operated by a Crestron control system using VI2 touch panels to easily operate all endpoints of the integrated AV/VTC system within each room. Each conference room also received LED Signage to indicate in-room VTC status. All of these rooms are configured to be tied back to a master AV Control Room, staffed by two operators with the ability to test and monitor in-progress VTC sessions. Each operator's work station contains two VTC codecs to enable classified and unclassified VTC's as well as one NIIPR and one SIPR PC. iSoft's exceptional level of performance was reflected by a smooth system commissioning process with USFFC upon completion of installation, in addition to several complimentary comments by USFFC and the general contractor.

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