A Case Study – Audio Visual System developed for The Federal Aviation Administration FSDO Office in Miramar, Florida

Kinetic Multimedia Systems (KMS) has the capability and expertise for Audio Visual systems design, integration and installation. We recently completed an audio visual project for the FAA which demonstrates our capabilities. We were contacted by an FAA employee who described a need for a complex audio visual system to be installed at a new building that was soon to be constructed. We met with several FAA employees to assess their needs for an audio visual system and to review the building plans and discuss how such a system could be implemented in the new building. After reviewing the building plans and the users' needs, we developed a general audio visual system proposal for four conference rooms and one training room and reviewed the proposal with the FAA team. During the discussions it became obvious that a control room where an audio/video server was to be installed had inadequate cooling and electrical supply. Changes were discussed with the architect and builder, and the necessary changes were made for that room to properly house the audio video server.

KMS presented a quote for the project and was subsequently awarded the contract.

The next step we took was to revisit the users and building administrators after the building was constructed to determine if any requirements for system functions had changed and to review the finished construction within each of the rooms in order to move on to the final design phase. During the design phase we developed the system concepts in more detail and developed diagrams and drawings to communicate the finished design. We continued to have regular discussions with the users to ensure that the final design would address all of their requirements. The design documents were approved, so we moved on to the integration phase.

One unique requirement for the project was the need for an audio/video media server that could present content to three different rooms, either different content per room or shared content in the case of large presentations and overflow rooms. KMS had already developed a digital media server, so it was a simple case of minor modifications to fulfill the requirements of the FAA. During the integration phase, these modifications were effected and the server was delivered to the facility. Since the building was brand new, the FAA had no existing components to be reused for this project.

During the installation phase, all of the cabling and wiring was installed in the building through conduits in the walls and ceiling, all of the wall plates and connectors were installed and all of the system components were installed and connected. Initial calibration and testing was performed to ensure that the system was performing properly.

Finally, during the testing phase, we completed all calibration, testing and alignment procedures and changes were made when something was found to be an issue. One specific change was to the volume levels of the ceiling-mounted speakers as they were not all set to the proper levels during installation. Another issue that was corrected at this time was a faulty connector on one of the speaker cables.

The customer was very happy with the final system as it provided for all of the functions and tasks required by the users and performed excellently. After the project was completed, the building manager approached KMS with an issue he was having with the separately installed video conferencing systems. Due to budget constraints, the FAA was reducing the travel budget and that meant that FAA employees would be conducting more video conferencing meetings rather than traveling to remote sites, and that there were many more persons attending any one video conference. This meant that the existing video conferencing system was incapable of properly handing the new larger number of participants. The building manager asked KMS if there was anything we could do to help alleviate this problem. We recommended making some signal-routing changes to the video conferencing system so that the incoming video content could be displayed by the room's video projector onto the large screen, thus enabling the larger audience to have a clear view of the content. The building manager agreed with the proposed solution and asked us to make the recommended change, which we did and now the FAA has more effective video conferences with a larger number of participants.

We use this project as our case study because it demonstrates our capability to perform the design, integration, installation and testing of audio visual systems. We received a glowing letter from the General Services Administration after the completion of this project expressing the customer's delight in the resulting system. That letter is included in its entirety here for reference. Customer contact available upon request.

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GSA Southeast Sunbelt Region

February 13, 2012

To whom it may concern:

RE: Letter of Recommendation for Kinetic Multimedia Systems (KMS)

I am pleased to provide this letter of recommendation for Kinetic Multimedia Systems, Inc (KMS). On April 6, 2010, KMS was awarded the contract to install comprehensive audio and video (A/V) systems in five conference rooms in the new Federal Aviation Administration (FAA) building located in Miramar, Florida.

KMS staff worked closely with the FAA project managers and GSA staff to assess and accommodate various intricate A/V needs. One of the many recommended solutions involved installing standalone and networked configurations determined by the conference room set-up and intended use. Additionally, the conference rooms where enhanced with polycom interfaces to enable conferencing displays on the overhead projector and facilitate interaction between audiences in different locations remotely. The scope of work also included the relocation of CATV outlets; rack replacements; audio mixers, cabling; digital power amplifiers; and podium enhancements such as electric outlets, microphone, and wireless keyboards.

Jaya Milam and Bill Milam, key personnel of KMS, have provided an exceptional level of customer service and responsiveness throughout each phase of the project delivery. Their expertise in A/V equipment allowed them to promptly provide solutions for the intricate A/V needs of the agency. Each task was completed on time and within the allotted budget for the scope of work.

KMS demonstrated a high level of knowledge, technical skill, dependability, and professionalism. I am pleased to recommend KMS for your consideration.

Sincerely,

Mike Szathmary, CPCM, C.P.M.,CFCM
Contracting Officer
GSA/PBS Section Chief, Acquisition Division

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