



FAA Selects SPINITAR Audio-Visual System Integration To Improve Air Traffic Control

C L I E N T P R O F I L E

EQUIPMENT LIST

BARCOREALITY

6300 High-Resolution
Projection System

SONY

Plasma Screen

AUTOPATCH

8Y-XL Distribution Matrix

CRESTRON

Control System
E-Control Software
Wireless Touch Panel

EXTRON

Computer Interfaces

RGB SPECTRUM

QuadView Multi-Input
Display

DRAPER

Perm-Wall Projection Screen

Charged with continually enhancing the safety of air travel, the Federal Aviation Administration (FAA) turned to SPINITAR™ for an audio-visual systems integration project at its Pacific Operations Control Center (POCC) in San Diego, Calif. Working with the aviation community to regulate safety, security and environmental issues, the FAA needed state-of-the-art systems that could not only work with its existing network, but also be easily upgraded as new technologies develop.

In order to make technological improvements in tracking air traffic throughout the western United States, Alaska, Hawaii and the Micronesian Islands, the FAA enlisted the aid of SPINITAR to design and install an integrated audio-visual communications environment for the San Diego POCC and conference room. The POCC is responsible for scheduling maintenance and data collections for scheduled and unscheduled events involving air traffic support equipment, including the display of real-time computer data for tracking flight numbers, airline names, and flight departure and arrival information.



NEEDS ANALYSIS YIELDS CUSTOM SOLUTIONS

"The challenge for this particular installation was to consider the various uses of the control center, while anticipating the potential problems encountered by controllers during their day-to-day operations," said Jay Rogina, SPINITAR Vice President and General Manager. "With this in mind, we designed and installed a complete A/V system that is both easy to use and maintain. And it is integrated into the existing FAA networks located throughout the country for a seamless communications environment."

The FAA sought to upgrade its dated analog system with new digital technology provided by SPINITAR. The project encompassed a complete overhaul of the processors, projection systems and LAN/WAN network connected to air traffic control, communications, and radar and navigational aids located throughout the POCC area of coverage. With consideration for the FAA's equipment needs and budget restrictions, SPINITAR performed a comprehensive needs analysis and made preliminary equipment recommendations based upon the high-technology requirements of the operations control center. "There were several key factors we considered in choosing SPINITAR," said Doug Northington, Technical Team Lead. "SPINITAR's proposal for the project was extremely comprehensive, reasonable and very informative on the company's capabilities. They took into consideration our equipment needs and made recommendations that were within our budget. Additionally, their cost-saving suggestions for equipment could be easily integrated and updated as new technology becomes available."

INTEGRATED ENVIRONMENT SIMPLIFIES OPERATIONS

Designed to be expanded with little effort, the installation features six BAR-COReality 6300 highresolution,compact projection systems, three Sony Plasma screens, an AutoPatch 8Y-XL Distribution Matrix for precision signal routing, and a Crestron control system, with networkbased E-Control software to control various display devices located throughout the operations control center. Other features of the new San Diego FAA installation include Extron computer interfaces designed to make computer signals compatible with any of the display devices, such as the monitors, projectors and plasma display panels located throughout the room. An RGB Spectrum QuadView

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FAA Selects SPINITAR...

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NETWORK BASED
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SUPPORT SERVICES

multi-input display allows controllers to view up to four live computer or video images simultaneously on a monitor or projector, and a Draper Perm-Wall provides a flat viewing surface for graphic and data video projection.

Overall, the new system has simplified operations. The digital products' menu-driven features are much simpler to use and require less labor to maintain the bright, high-resolution displays. Additionally, POCC specialists are able to easily switch any one of the 64 input devices to any of the 16 output displays installed in the control center utilizing a Crestron Wireless Touch Panel. The new touch panel allows the user to roam the room and change information sources as needed. It also makes maintenance and data collection less complicated.

TROUBLE-FREE INSTALLATION ELIMINATES DISRUPTION

"During the time the systems were being installed, SPINITAR personnel worked around other installation activities with no delays," said Bob Crosby, TRW/NAS Implementation Support (NISC) for the FAA. "They were very understanding of schedule issues and provided extra effort to get us operational so we could continue to support our testing schedules with minimal interruption."

In addition to the San Diego installation, SPINITAR also provided new projection systems for both the FAA's Central and Atlantic Operations Control Centers. Installations at these facilities included Sony Plasma screens, Crestron E-Control and wireless touch panels, BARCOReality projectors, AutoPatch matrix switchers, RGB Spectrum QuadView displays, and Extron computer interfacing. The successful project has opened the door for future expansions.

Since 1986, SPINITAR has been known as one of the leading providers of audio-visual communication and presentation products, systems and services. The company was recently named one of Los Angeles' fastest growing privately owned companies by the Los Angeles Business Journal and specializes in the design, integration and installation of business, educational and government facilities including board rooms, class rooms, conference centers, training facilities and command/control centers.

ABOUT US

Spinitar was founded in 1986 and has grown into one of California's leading Audio Visual Communications System firms. Our four key divisions (System Integration, Presentation Products, Visual Products and Support Services) provide our customers with the best in class solutions and services.

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