

St. Joseph Church

BACKGROUND

The new 18,750 sq. ft. St. Joseph Church located in Vacaville, California was five years in the making, and opened its doors on December 12, 2005. The church's interior and exterior is inspired by the Romanesque period with high columns, arches, architectural structured furniture, and colors of alabaster white, stone and brick red. The main room of the church is 8,400 sq. ft. of space with a soaring ceiling reaching 52 feet tall.

The church needed an unobtrusive audio visual system inside the nave to allow their parishioners to easily view, hear, and video capture religious ceremonies. These religious ceremonies include baptisms, weddings, communions, confirmations, celebration of life, first communions, and other religious events.

Before construction began, the architect along with a consultant planned and specified an audio visual system for the church. When this was complete the audio visual system design project was sent out to bid. CompView won the competitive bid process because of their creative expertise in "blending" installation techniques, project management, equipment knowledge, and competitive pricing.

DESIGN GOAL

Most audio visual equipment is not shaped or colored to blend with the church's 12th century interior design. CompView worked with the architects and construction company to find the best solutions to accommodate the church's request to veil the audio





SOLUTION

CompView methodically selected, installed and creatively concealed two 150 inch screens, two video cameras, two projectors, six choir micro phones, one dual wireless microphone system, and a touch control panel specified for this project.

PROJECTION SCREENS

CompView installed two made to order Stewart retractable vertical 150" diagonal electric projection screens placed on the left and right of the back wall behind the altar. These large screens needed to be invisible when the screens were rolled up. CompView worked with the construction team to develop and create a casing which flows along the architectural lines of the wall. Once the screens were hung the casings were installed over the screens. These casings were painted the same alabaster white of the walls and blend seamlessly with the architectural design of the sanctuary.

PROJECTORS AND MOUNTS

The two large venue Sanyo 10,000 ANSI lumens LCD projectors are located at the entrance of the nave and placed high on the wall to blend in with the décor. The projectors shine brightly onto each Stewart screen hanging slightly beyond the church altar. The projector's light beams with an outstanding contrast ratio of 11:1 and the long fixed lens fills the screens with color and brightness.

CompView worked with the contractor to find a solution to blend the Sanyo projector and the Chief VCMM-47E projector mounts with the alabaster white walls and columns. This was solved by selecting two tall columns located on the left and right entrance of the nave, and adding a neutral colored platforms for inconspicuous placement of the projectors.

VIDEO CAPTURING

The Sony EVI-D100 video camera needed to be positioned slightly lower than the projectors to capture the worship ceremonies. The high position of the cameras gave the same inconspicuous look as the projectors. These cameras were an ideal selection for this room

due to their high quality CCD, a wide angle view, and 40x zoom flexible remote quiet pan/tilt/zoom operations. These cameras have innovative features such as auto focus, auto white balance and automatic exposure control which provide fast and stable hands free operation when the camera changes pan/tilt positions.

MICROPHONES

Shure U124D-87 microphones were chosen for their UHF wireless diversity dual channel combo system which includes two handheld transmitters. This audible clear system is used by the priests to deliver their worship ceremonies. The choir seating area needed inconspicuous microphones to capture their voices. CompView used Audio Technica microphones which are ideal for ceiling suspension over choir.

These hanging microphones designed for high quality sound reinforcement, and recording applications delivers crisp clear sound to the audience. These microphones blend well with the décor because of their alabaster white color and their micro size reflect an almost invisible appearance.

TOUCH CONTROL PANEL

The AMX NI-3000 Control System was chosen to integrate the electronics such as the; VCR and DVD players, projectors, projection screens, lights and other connected systems. This system allows for future devices to be added to the system, as needed. The AMX AXD-CV6 color active video touch panel is one of the favorite audio visual tools for the church to use. It is extremely easy to change the size of the video window, view recognizable brightly colored icons, and navigate the easy to use menus. This 6" touch panel was the dream for this church's media-rich world. The touch panel is hidden behind the presider chair located on the altar platform.

CompView seamlessly installed an audio visual system that retains the classic look inside St. Joseph's church while providing multi-media capability.