

The Bose logo is displayed in a white rectangular box in the top right corner of the image. It consists of the word "BOSE" in a bold, italicized, sans-serif font.

PROFESSIONAL

The top half of the image shows the interior of a church, focusing on the organ loft and chandeliers. The organ is a large, multi-tiered structure with numerous pipes, set against a backdrop of a large, arched, light-colored structure with multiple rectangular openings. Several large, ornate chandeliers with many small lights hang from the ceiling. The lighting is warm and focused on the organ area.

CASE STUDY - PLACES OF WORSHIP | MOODY METHODIST CHURCH





MOODY METHODIST CHURCH INTERTWINES WITH GALVESTON'S HISTORY

The first Methodist Bible study group in Galveston, Texas began nearly 200 years ago in 1837. Since its inception the group has evolved into the Moody Methodist Church, upholding its legacy while continuing to provide spiritual and physical care for their community.

In addition to Bible studies, prayer ministries, missions and fellowship, the house of worship plays a large role in ministering to the sick and assisting those in need. Whether through its collaboration to create the Galveston Morning Devotions or its response to natural disasters, Moody Methodist Church has been a stable, reliable presence for the Galveston area.

A place that does so much good in its community deserves a sound system to match, but Moody Methodist's current system wasn't capable of supporting the change the congregation looked to bring about in Galveston.

ORIGINAL, HARD SURFACES MAKE EXEMPLARY SOUND A CHALLENGE

Built in 1962 and with much of its original design still in place, the church's interior features marble floors, walls, columns and incorporates wooden pews; all set in a long, narrow, open space that reaches nearly four stories.

Maintaining the splendor of the interior setting while delivering intelligible sound — whether music or spoken word — presents a challenge for any audio system.

The interior of many houses of worship often incorporate a variety of natural materials that provide a glorious environment, but also create hard surfaces that produce acoustic challenges. Sound waves bounced around, reverberating across the large, open space, creating discomfort for attendees and intelligibility issues.

"We last upgraded the audio system with several column-mounted tower speakers in 2005," said Barry Hailey, director of IT and AV services for Moody Methodist Church. "But, even following that improvement, a great deal of ambient noise still existed. Our church centerpiece is a large Schantz pipe organ with 6,583 pipes. Adjusting audio between the organ and presenters required a lot of tweaking, and church attendees still struggled to understand parts of the service."

Given the variety of music and speaking during a service, and the age range of the congregation, Moody Methodist needed a modern sound system that, upheld the legacy and atmosphere of the church and allowed for a more intelligible and immersive sound experience.



INJECTING NEW LIFE TO MATCH THE CONGREGATION'S PASSION

Hailey and Moody Methodist leadership turned to integrator AVI Systems with the challenge of developing a new audio solution that would modernize and drastically improve the audio experience of churchgoers — and AVI Systems turned to Bose Professional.

AVI Systems recommended the church upgrade its audio system processor to the new ControlSpace EX-1280 digital signal processor, which helps deliver high-quality sound system control. The entire system, designed for ease of use, is managed with a new Android touch panel that enables operators to engage in simple system adjustments when necessary.

The integrator also brought in Panaray MSA12X loudspeakers to aid in the delivery of wide, intelligible and powerful coverage.

“After evaluating the space and talking with Barry about the issues he was having with the old system, I immediately thought of Bose Professional. The Bose Professional Panaray MSA12X self-powered, digital beam-steering loudspeaker was an ideal solution for Moody Methodist Church,” said Mark Warren, AVI Systems account manager. “This particular loudspeaker delivers wide horizontal coverage, unlike most traditional speakers.”

AN AUDIO EXPERIENCE TO MATCH THE LEGACY OF MOODY METHODIST CHURCH

As wall-mounted solutions, three modular units of the Panaray MSA12X loudspeakers are placed at the front of the church on each side of the sanctuary, delivering both audio

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— Mark Warren
AVI Systems Account Manager

from the pipe organ and speakers' microphones, ensuring everyone in the congregation has a consistent, ideal audio experience.

“The installation was an immediate improvement to the sound,” Hailey said. “Now, everyone can hear the various components of the church service, from the sermon to the music. Our older parishioners are especially pleased with the new audio system, because they no longer struggle to understand what's going on.”

“This was a terrific outcome,” Warren added. “Managing audio in large open spaces is always complex, but with the right plan and the right products, we were able to enhance the worship experience for all who attend Moody Methodist Church services.” ■

SYSTEM COMPONENTS

Panaray MSA12X steerable array loudspeaker

ControlSpace EX-1280 digital signal processor



PARTNER: **AVI Systems**

Founded in 1974, AVI Systems has grown into a top tier systems integrator in the United States with customers around the globe. As an employee-owned company, everyone at AVI Systems holds themselves to the highest standards and is committed to delivering exceptional work to every client.



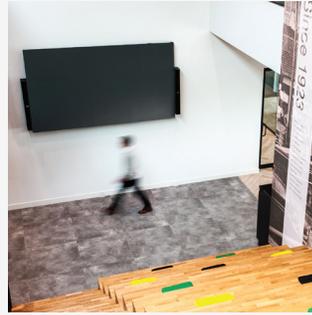
Panaray MSA12X

Self-powered digital beam-steering loudspeaker that enables improved room aesthetics, with outstanding vocal intelligibility and tonal consistency. The proprietary Articulated Array transducer configuration allows wide, 160° horizontal coverage throughout the room, and MSA12X's modular design allows building of vertical arrays using 1-3 units. Dante digital audio network interface comes standard for connection with other Dante-enabled products over Ethernet-based networks.



ControlSpace EX-1280

With an open-architecture, single-rack-unit design, the ControlSpace EX-1280 is a robust digital signal processor equipped for general-purpose audio processing applications.



Bose Professional serves many different markets, delivering great sound in venues all around the world — performing arts centers, theaters, places of worship, stadiums, restaurants, schools, retail stores, hotels, and corporate buildings.

We know that our pro audio customers depend on us in a unique way. This is your business, your reputation, your livelihood — not just an amp, not just a loudspeaker. So, when you buy a Bose Professional product, you get the full weight of the global Bose Professional team behind you — our time, support, and attention. We see every purchase as the beginning of a partnership.



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