

projects



st.michael & all angels episcopal

Client: St. Michael and All Angels Episcopal Church

Location: Dallas, Texas

Project Type: Renovation

Seat Count: 500

Opening: Jan 2002

Architect: HKS, Inc.

Construction Cost: \$22 Million

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AD Scope: Acoustics | Audio

St. Michael and All Angels Church wanted what would have been the impossible a few decades ago. They wanted their relatively small, architecturally modern worship center to sound like a cathedral. Because of the absorptive ceiling and walls, there was relatively little acoustical support for congregational worship, the organ or the choir. To make matters worse, the existing sound system lacked directional realism and produced poor speech intelligibility.

Replacing the ceiling would have provided more of a “live” environment for worship; however, it would have been an extremely costly solution. In addition, creating a more “live” environment would have exacerbated the existing speech intelligibility challenges. The problems were solved with a combination of acoustical elements and “electronic acoustics.” The absorptive material on the walls was removed, and two speaker systems were installed in the church - one for speech and one for music. The speaker system creates “electronic acoustics” by activating when music is present but controlling the level of excitement during speech.

ACOUSTIC DIMENSIONS