

Catholic Church Receives A/V Solution, Northern VA.

Case Study

Topic: Ashburn, Virginia's new Colossal Catholic Church opens its Doors with one of the Biggest and Best Sound Systems in the Area

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Ashburn, VA – December 1, 2009: The newly built 13 million dollar church, St. Theresa's Catholic Church in Ashburn, VA, is designed to bring its community together through education, community outreach programs and powerful sermon and song. In an effort to create the crispest and most clear sound possible, St. Theresa's Catholic Church outsourced its complete design build sound system solution to MCW Solutions.

Challenge: Design an intuitive, user-friendly A/V Solution that would provide the ultimate coverage and defy the large, open Cathedral ceiling of the church.

The biggest challenge faced with creating the ultimate A/V and sound system for St. Theresa's was the massive cathedral ceiling. A cathedral ceiling does not provide the ideal acoustic environment. With a cathedral ceiling, each sound wave bounces off each wall back and forth creating chaos in sound. Worship houses, like St. Theresa's Catholic Church, must have impeccable sound for both speech and music. Patrons of the church want to be able to hear the sermon as well as they hear each note the choir sings.

Solution: A Fully Integrated Electroacoustic Sound System with Ultimate Coverage

To ensure the crispness and clarity of speech throughout the cathedral, MCW created a suitable voice reinforcement system, and the appropriate musical acoustics were achieved through careful selection of each speaker and microphone placed throughout the church to create a fully integrated electroacoustic system with the ultimate coverage.

The sound system comes equipped with six Renkus Heinz Line Array Speakers that are controlled with a touch screen monitor. These speakers lie vertically and are interlined with multiple, smaller speakers. The smaller speakers are capable of blasting sound in multiple different directions in order to send music to every crevice of a facility.

The most important aspect of this particular solution is establishing the level of ease required to use the system. From the touch screen computers to control the Renkus Heinz Line Array Speakers, to the pre-administered microphone system, this futuristic sound system is incredibly user friendly and intuitive.