

St. Thomas More Catholic Newman Center

Designed and Installed by Intermedia Systems Group



Located across the street from the Minnesota State University campus in Mankato, the St. Thomas More Catholic Newman Center has served students' spiritual and social needs since 1921. Recently, the Center moved to a brand new building with an integrated, building-wide A/V system which includes a purpose-built sound system in the chapel. The octagonal 100-seat chapel hosts services three times a week, and is also home to occasional small concerts and other events.

Challenges

- The new system had to be capable of supporting musical performances, as well as reinforcing clear, intelligible speech.
- The chapel's sound needed to be evenly distributed yet confined to the seating area to minimize overflow audio that would have caused comb filtering
- The sound system needed to be completely redesigned when the size of the facility was reduced

Solutions

The sound system was centered around a pair of Fulcrum Acoustic CX1277 coaxial loudspeakers whose non-traditional 75° x 75° dispersion proved a perfect fit for the octagonal chapel. With the two CX1277s and Fulcrum's DSP settings, Intermedia Systems Group was able to provide consistent coverage across the chapel's seating area with very minimal system tuning needed to account for room anomalies. A Fulcrum Sub115, 15 inch direct-radiating subwoofer was deployed to deliver high SPLs and low frequency support down to 30 Hz from a compact enclosure well-suited to the space. In fact, the entire system was compact enough to be mounted directly to the bottoms of ceiling beams to avoid obstructing sightlines to the chapel's altar. Additionally, Fulcrum's comprehensive product line enabled Intermedia Systems Group to quickly and easily redesign the system in the middle of the project when the size of the facility was reduced.

Project Details

Location

Mankato, Minnesota

Product Category

House of Worship

Project Type

Octagonal 100-seat chapel

Fulcrum Products

(2) CX1277 12 inch Coaxial Loudspeakers, 75° x 75°

(1) Sub115 15 inch Direct-Radiating Subwoofer

