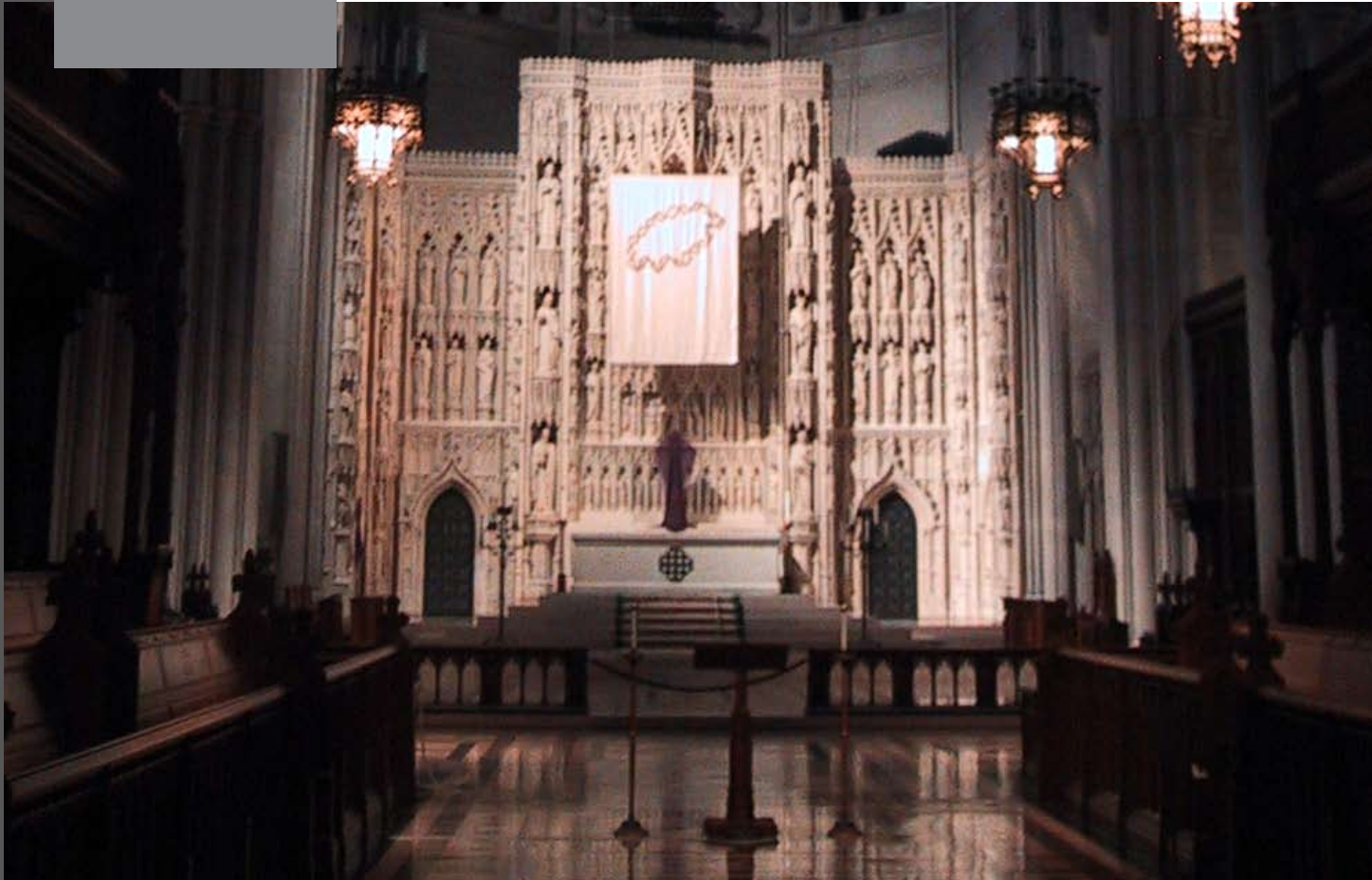


# projects



## washington national cathedral

**Client:** Washington National Cathedral

**Location:** Washington, DC

**Project Type:** Renovation

**Seat Count:** 4,100

**Opening:** 2002

**Contact:** Mark Huffman | Washington National Cathedral | 202.537.6219

**AD Scope:** Audio

The Washington National Cathedral is more than a place of worship. It is a historic monument and serves as a center for social ministries, worship, music, exhibits and religious education.

The gothic Cathedral, complete with flying buttresses, took eighty-three (83) years to build (1907-1990). Ten years after the Cathedral's completion, it was already time to replace the sound system because it was installed twenty years before and had outlived its lifecycle. Washington National Cathedral now utilizes significantly updated sound system technology that provides consistency of sound coverage, improved natural quality of music and speech and speech intelligibility.

AD collaborated with EAW to design 15' tall line arrays with individual custom units that allow exact aiming and focusing. The line arrays have both strong vertical and horizontal pattern control which is a necessity to keep energy off the stone walls of the cathedral. The client wanted a design that would have a 20-year or more lifespan, and as such, we implemented as much of the signal processing as possible within the loudspeakers rather than extensive external processing.

**ACOUSTIC** DIMENSIONS