

## New Life Church

Designed and Installed by Audio Video Electronics (AVE)



From its humble 1999 beginnings with a double-digit congregation, New Life Church has grown into multiple churches and video venue campuses with over 5,000 regular attendees throughout the D.C. Metro area. New Life Church entrusted leading Midwest integrator Audio Video Electronics (AVE) to design and install a state-of-the-art sound, video and lighting system for their latest campus, New Life Calvert in Prince Frederick, Maryland.

### Challenges

- Rear low frequency cancellation was needed to keep sound energy off the stage and back wall
- The new sound system needed to be easy to operate, and provide even coverage and high fidelity for music reproduction and voice intelligibility

### Solution

“As shallow trussing didn’t leave room for under-stage subwoofers, we knew they’d have to be flown to get the coverage we needed,” recounts AVE design engineer Max Clixby. “Space was also a challenge overhead with only 12 feet of stage depth to install mains, subs, a laser projector and screen. We needed a cardioid pattern to keep sound energy off the stage, back wall and video gear, but lacked the space and budget for an active cardioid array.”

Painted into an acoustical corner, Clixby saw Fulcrum Acoustic Cardioid Subwoofers with Passive Cardioid Technology™ as the only solution capable of creating a cardioid effect in half the footprint of an active cardioid array. Clixby’s design includes two Fulcrum CS121 21 inch subcardioid subwoofers flown behind compact 15-inch CX Series coaxial loudspeakers; a CX1595 (90° x 45°) on center flanked by left/right CX1565s (60° x 45°).

“We’ve been very intentional about reducing sound on stage and focusing on how our contemporary services sound to our congregation,” explains New Life Church special projects coordinator Ronny Settle. “We’ve gone to ‘silent stages’ using in-ear monitors where everything you hear comes out of the house speakers. It’s amazing how Fulcrum’s Cardioid Subwoofers provide incredible bass while keeping sound energy off the stage where it would interfere with live mics. We are blown away by Fulcrum’s quality of sound. New Life Calvert has set a new sound standard for all our church campuses.”

### Project Details

#### Location

Prince Frederick, Maryland

#### Product Category

House of Worship

#### Project Type

330-seat contemporary worship center

#### Fulcrum Products

(2) CX1565 15 inch Coaxial Loudspeakers, 60° x 45°

(1) CX1595 15 inch Coaxial Loudspeaker, 90° x 45°

(2) CS121 21 inch Subcardioid Subwoofers

#### Supporting Products

Q-SYS Core 110f DSP Platform

QSC 4.3 and 4.5 Power Amplifiers

Midas M32 Digital Mixing Console

