

**EA**W<sup>®</sup> CASE STUDIES

# Brooklyn Tabernacle

**ADAPTive**<sup>™</sup>  
systems





The historic Brooklyn Tabernacle updates its sound system for the 10,000 visitors in attendance each week.

## Background

When The Brooklyn Tabernacle, a multicultural, non-denominational megachurch, moved into its current facility in the heart of downtown Brooklyn 21 years ago, its three cluster PA system served the church well. As the years have passed, church leaders realized the need to upgrade to more current technology to continue to serve the needs of the church.

The original system was an EAW rig designed by Craig Janssen, managing director at Idibri, over twenty years ago. One of the main components of the original project with Idibri was to acoustically treat the room. Craig and Idibri also consulted on the design of the new PA system.

After hearing the EAW ADAPTive system, the choice was clear. Once the design and speaker selection was completed, the team at Clair Solutions was brought in to do the integration.

## Challenge

One of the most important factors in The Brooklyn Tabernacle's speaker choice were that they could use the existing hang points. The old system was hung from a ground-supported steel beam structure because there is no steel to hang any arrays.

Due to a very large acoustic space, the room presented some unique design challenges. There is a massive balcony that has the front row approximately 60 feet from the stage and the back row approximately 160 feet from stage. Equally as challenging from a coverage perspective is the under-balcony area, which starts at 60 feet from the stage and goes back to approximately 120 feet back. All the while, the FOH mix position is about 50 feet from the stage in a huge open part of the room.

### PROJECT SUMMARY

The EAW ADAPTive system was specifically chosen for the ability to adjust coverage while hanging straight, with no splay angles. The sound system is easily able to zone the upper balcony and large under balcony separately by changing coverage using Resolution 2 software. Additionally, the arrays needed to be rigged from a ground-supported steel structure as there were limits to what could be done to the finishes within the space.

### BROOKLYN TABERNACLE EQUIPMENT LIST

- 18x [Anna](#) 3-way Full-Range Array Module
- 8x [Otto](#) Subwoofers
- 1x [QX564i](#) Center Fill



## Solution

By providing even coverage with a smaller line length than most other arrays, EAW ADAPTive Systems was able to use the venues existing hang points. Each split array consists of five Anna's with four Otto's in the middle, then 4 Anna's below. By being able to utilize the existing hang points, **the venue was able to save a lot of money without compromising on sound quality.**

"With EAW ADAPTive, there is not a bad seat in the large room. Our sanctuary holds 3,800 seats, and yet it feels very intimate. The best way I can describe our new system is when you sit in our sanctuary it feels like you have a pair of studio monitors right in front of you."

Michael Archibald  
AV Admin - Brooklyn Tabernacle

Additionally, with EAW ADAPTive's steering capabilities, the cabinets gave the venue the ability to cover all the different spaces with **equal coverage and energy with a lot less cabinets than other manufacturers.**

"The Brooklyn Tabernacle Sanctuary has a very deep balcony Anna allowed us to precisely map the coverage requirements to provide even coverage to first row of the balcony 60 feet away to the last row of the balcony 160 feet away.

It is an historic building which limits what can be done to the finishes within the space. The original system was rigged from a ground-supported steel structure that we were able to re-use for the new system."

Casey Sherred



Casey Sherred



### ABOUT IDIBRI

Idibri specializes in improving human engagement within the built environment. A multidisciplinary team in technology, theatre planning and acoustics, we work closely with design teams to create environments that spark communication and connection.

We are experts in creating connection at scale—both in-person and virtually. With offices in Dallas, San Diego, and Coventry (UK), Idibri has thrived for over 25 years together as a team.



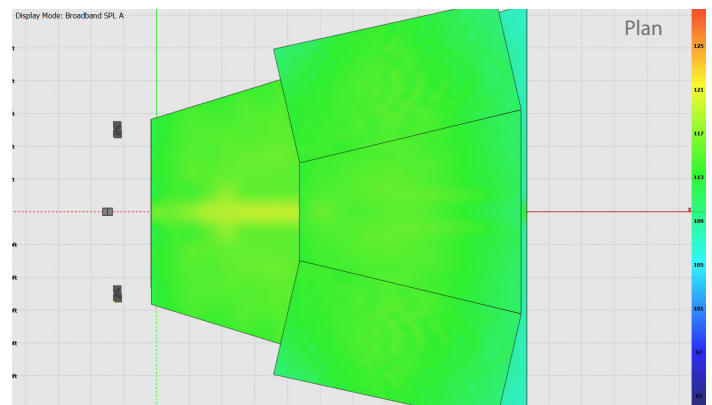
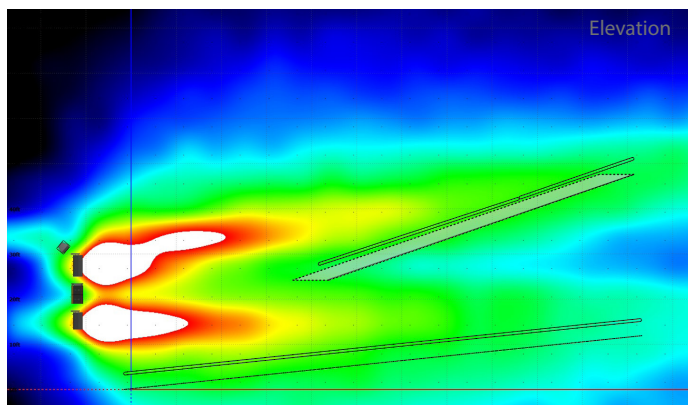
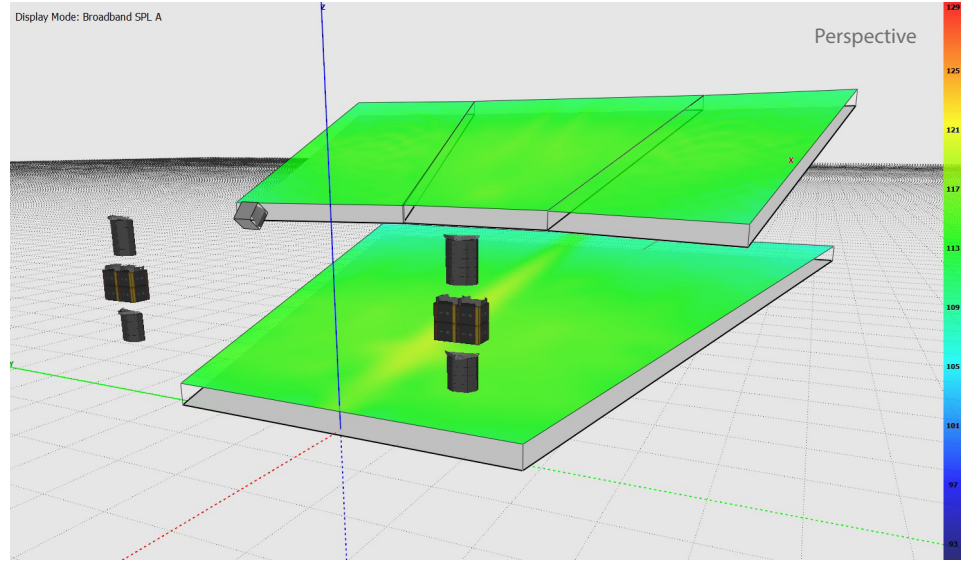




**Anna** is a complete, self-contained, high-power sound reinforcement system that adapts all performance parameters electronically, allowing it to be used in virtually any application. Extremely powerful and immensely scalable, Anna is suitable for anything from small venues to the largest stadiums

**Otto** is the world's first Adaptive subwoofer. Utilizing two Offset Aperture-loaded woofers with independent on-board amplification, processing and networking, it perfectly balances LF coverage with cancellation to suit your requirements; omni, cardioid, hyper-cardioid or anywhere in between from just a single module.

## Resolution models of Anna/Otto/QX in Brooklyn Tabernacle



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