

Megachurch balances intimate worship space with touring hotspot.



Green Acres Baptist Church, Tyler, TX, USA

Setting the scene

Green Acres Baptist Church is a megachurch reaching over 14,000 people each weekend. The massive worship space, known as the Main Sanctuary, seats 4,500 people, with a separate chapel seating 1,500. In addition, the church houses a 128 track recording studio, gymnasium and a broadcast suite.

Establishing objectives

The church's vast size presented a significant challenge when it came to providing consistency of sound across the Main Sanctuary. And it was suffering regular system failures.

With a new audio solution the Green Acres tech team wanted to ensure the entire congregation had the opportunity to experience the same intimate service, no matter where they sat in the church, and to invest in an audio system that would stand the test of time, setting them up for a successful decade ahead.

The solution

To help achieve its goals, the church enlisted specialist production and integration company, Morris.

The Morris team designed and installed a fiber-based, digital audio system that features the d&b V-Series with ArrayProcessing and two SSL L500 Plus consoles with 256 channels.

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Mark Leonard, Director of Audio,
Green Acres Baptist Church

The Main Sanctuary is a fan shaped auditorium with forty foot high ceilings, and a balcony. For the optimum placement, line array loudspeakers were placed in a left/right configuration with a mixture of ground subs, flown subs, flown frontfills, end stair frontfills, outfills and delays.

For Green Acres, ArrayProcessing ensures minimal loss between the front and back rows. Despite the huge space, the result is that the best seat in the house and the 'worst' seat in the house are within a decibel and a half of each other.

Mark Leonard, Director of Audio at Green Acres, comments, "The sound is incredible. One of the biggest surprises we experienced was from our senior adult members who commented on how much better they could hear and understand. Our gain before feedback and intelligibility on the choir was unbelievable, and the pastor's voice sounded clearer and more intelligible than ever before."

The upgrade has been a hugely positive development for Green Acres. Opting to use ArrayProcessing has enabled the church to overcome its key environmental challenge to deliver consistent sound across a large area, and create a more intimate worship space for the congregation. Furthermore, the system design and advanced technology have made the 4,500 seat auditorium distinctly rider friendly, making Green Acres a prime location for touring Christian artists.



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➤ **System: 5S, 8S, 12S, 18S, Vi7P, Vi12, Yi7P, B22-SUB, J-SUB, MAX2, and 10D, 30D**