

Evangel Temple – Phased Audio, Video, Lighting Project

Our Vision

To provide complete communication, music, lighting, visual and performance technical arts solutions.

Our Mission

"To enable clear communication through the inspired use of the technical arts."

Our Objectives

To play a pivotal role in helping others communicate their message.

To provide informed and useful design, application and product information for effective technical arts solutions.

To make technology less complicated and more accessible.

To provide cost-effective solutions to our valued customers in a timely manner.

To empower our team to help you.

Our Commitment

Clear direction, thoughtful solutions, dedicated effort, promises kept.

Our Philosophy

Serving the needs of our customers.

Our Fans

Churches, Studios, Theatres, Schools, Corporations and Individuals

Our Services

- Complete consulting, design, installation, and training services
- Sales and service for a comprehensive range of Pro Audio, music, lighting, video projection, computer and data systems
- Full event production services
- A well stocked Rentals department Audio – Backline – Video – Lighting – Effects – Recording – Wireless Mics – Processing – Cameras – Drape – Staging – Screens – Audio / Visual
- Computer Services & Installations

Our Challenge

Evangel Temple is a broadcast oriented ministry in Toronto. They needed improvements in specific areas of their audio, video and lighting systems associated with both the regular church services and the broadcasts. We were asked to design an overall response, and then break the response into mini-projects so that each area could be addressed separately. The audio system required some attention, but the lighting system required substantial upgrades and refreshing. Lighting systems are of major importance to any broadcast or video oriented facility, and Evangel Temple falls squarely into both categories.

Requirement

Evangel Temple had a solid base of existing AV infrastructure to work with and re-integration of these assets was essential. The audio system upgrades were concentrated on reducing platform monitoring volume. Video projection and lighting system upgrades were carefully planned together to make sure that the new screen locations were considered in the lighting fixture placement and coverage plans. The lighting system needed a complete overhaul, including repair and replacement of old fixtures, refreshing the dimmer and DMX channel assignments, integration of new fixture types an locations, and providing for overall system expansion.

Recommendation and Solutions

- Improving the audio in the sanctuary and for the broadcast required a significant reduction of "stage volume". We recommended moving away from traditional wedge monitor speakers and into the Aviom "personal" monitoring system. The Aviom system gives each user great control over the "mix" they require for monitoring, and routes it to headphone, "walkman" type ear-buds, or in-ear monitor buds. The result is a substantial reduction of "stage volume", and the main sound operator is freed to concentrate on the main "mix"; a win/win scenario.
- The video projection was upgraded by the addition of two new 3000 lumen DLP projectors with a 2000:1 contrast ratio. The DLP projectors were selected over their LCD equivalents because the high contrast of the DLP units provided a sharper, crisper image given the relatively high ambient light levels produced by the lighting required for cameras/broadcast.
- The lighting system required a scaleable plan to be integrated over several years. The plan began with improvement to the existing connectivity and cabling infrastructure. Evangel Temple had an excellent dimmer system and a reasonable lighting control board. The dimmer system was re-integrated into the plan after having the dimmer and DMX channels re-assigned. The lighting board was wiped clean and reprogrammed. The existing light fixtures were taken down, cleaned, and repaired. They were then re-tasked within the new lighting design, and along with the new fixtures, re-mounted and re-aimed. The existing lighting grid had to be taken apart, moved, have new suspension points created, be re-designed and then rebuilt in the new location. Supporting electrical design work was submitted to the electrician for the additional circuits required for system expansion. The original fixtures were mostly Par Cans, which provided a lot of light, but they couldn't really be aimed and focused. Some of the Par Cans fixtures were traded in and replaced with Ellipsoidal and Fresnel Fixtures, which improved the control of light immensely, and provided additional warmth and balance to the lighting "look". The new DMX and circuits lay-out provides for future expansion and the potential to incorporate moving light fixtures, DMX controlled hazers and other lighting effects when required.
- "Room 102" was a small multi-purpose room used for "shooting" interviews. Each corner of the room provides a different "look" to the set, providing great flexibility is a small space. A lighting system was developed for Room 102, providing recall of presets for the various camera angles regularly used.

About Artech Communications Inc.

Artech Communications Inc. provides quality service in the areas of consultation, design, installation of professional audio, video and lighting equipment; event productions; and rentals of professional audio, video, lighting, and computer equipment since 1989. We have helped many individuals, churches, businesses, educational institutions and corporations realize that their dreams are viable and attainable, whether for permanent, temporary, indoor or outdoor installations. We would be happy to share our many references.

Evangel Temple: Picture Gallery

Architectural Model of platform design



Lighting design for the new platform (by ACI)



← Work in progress on the new platform design at Evangel Temple



For additional information on installations, go to our website at: www.artechcommunications.com