

ENHANCING AUDITORIUM SPACES IN INDIA

Adhiparasakthi College of Arts and Science

Q-SYS and Theatre Concepts Blanket the Largest Auditorium in South India's Adhiparasakthi College Group with Perfect Sound

📍 Kalavai, Tamil Nadu, India

Established in 1978, the [Adhiparasakthi Charitable Medical, Educational, and Cultural Trust](#) (ACMEC) operate major educational and cultural centers across the state of Tamil Nadu. Among them is the [Adhiparasakthi College of Arts and Sciences](#), where a 1,200-seat auditorium hosts live performances, spiritual gatherings, and educational events. When the trustees needed a sound system worthy of the impressive hall, systems integrator [Theatre Concepts](#) crafted an end-to-end Q-SYS solution.



“**For me as an integrator, Q-SYS has been my go-to since it was introduced in India. I love the design, the reliability, the sound quality, and the support of the Q-SYS team. It gives me a lot of confidence.**”

Harry Martin

Home Theater Specialist, Theatre Concepts

Challenges

Achieving Visual-Audio Balance

“Picture 1,200 people sitting in one place, with the goal of having a common spiritual moment,” says Harry Martin, Home Theater Specialist, at Theatre Concepts, who designed and supervised the installation. “To ensure everyone has the same experience in terms of sound, the auditorium really needed an excellent line array system.” While line arrays are a go-to solution for ensuring uniform sound levels from the front of a room to the rear, side-to-side coverage was just as important in this venue. “This auditorium is very wide, about 150 feet,” he says. “That’s the first thing that drove us towards the Q-SYS [WideLine 10 Series](#), because it has 140 degrees of horizontal dispersion. This helped us eliminate any blank spots from one side of any row to the other. With a point-source system, there’s no way could have calibrated things so precisely and do such a perfect job of eliminating dead spots.” Not only was uniform sound a challenge but balancing audio coverage with visual aesthetics was essential to the design while ensuring a power source was suitable for tight spaces behind the media pits.



Solutions

Creative Solutions Enhances Audience Experience

Theatre Concepts hung eight Q-SYS WideLines arrays on either side of the stage, powered by ten PLD Series amplifiers. Both the compact size and built-in DSP of the PLD Series amplifiers made them an ideal choice to power the WideLine-10s. “We had very little space to put in power amps, just an alcove below the media pit,” explains Martin. “The PLDs are four-channel amps, so for the arrays on either side of the stage, we were able to fit all the power we needed into just one rack. Then there’s all the DSP in there, which is designed to work with the WideLine loudspeakers. The FAST [[Flexible Amplifier Summing Technology](#)] distributes all the amps’ power to all the loudspeakers ideally, and the result is excellent sound quality throughout the auditorium.”

“Even with the great performance of the main arrays, we needed to fill in the first fourteen or so rows of seats,” he describes. Front fill and stage monitors were handled by various K Series, which work natively with Q-SYS. “With 140 degrees of coverage, we didn’t want to place the arrays in the very corners,” says Martin. “Yet, moving them too far in towards the center created an obstruction the client was unhappy with. The ceiling is about 42 feet high, and the top cabinet needed to be hung four feet down from there. The client felt that the bottom cabinets would interfere too much with the audience’s vision.” Martin and his team placed four more WideLine-10s at the center of the rear of the auditorium, on a delay. This provided two benefits: coverage in the very back plus supplemental fill down the centerline of the room, which allowed him and his team to “position the front arrays so that the client was happy.”

Based in Tamil Nadu’s capital city of Chennai, Theatre Concepts is the most respected audio/visual systems integrator in southern India, providing end-to-end solutions for the concert, educational, corporate, cinema, and residential markets. In 2018, Theatre Concepts received recognition from Edappadi K. Palaniswami, Chief Minister of Tamil Nadu for executing one of the most prestigious government-aided auditoriums in Chennai. Recent projects have included installs for the regional Karpagam Theatres as well as Chennai’s VGP Marine Kingdom, India’s first largest walk-through aquarium. www.theatreconcepts.in



Q-SYS is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums—and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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Mind-Blowing Experience

The house, control room and rehearsal room are interlinked via a [Q-SYS Core 110f processor](#) and I/O-8 Flex audio input peripheral ([updated to the QIO Series](#)), while a compact TouchMix-30 Pro handles mixing duties for live music events. “The client wanted a foolproof system and didn’t want to always need a technical expert on the property. When we showed them the TouchMix, with the recall for different scenes and the ‘wizards’ for setting up inputs and such, its ease of operation was one of the tipping points that convinced them to go with Q-SYS for the entire system.”

When officials at Adhiparasakthi heard the system, the results spoke for themselves. “They were extremely happy,” Martin enthuses. “They had already listened to and worked with a lot of other systems on their properties in different locations. The client ultimately described it as a mind-blowing experience. For me as an integrator, Q-SYS has been my go-to since it was introduced in India about ten years ago. I was a distributor, so I’m familiar with it. I love the design, the reliability, the sound quality, and the support of the Q-SYS team here. It gives me a lot of confidence.”

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