

Designing a Flexible, Adaptable and Scalable System

PSG Convention Center



Q-SYS Delivers a Unified Experience Across Room Types at PSG Convention Center

📍 Coimbatore, Tamil Nadu, India

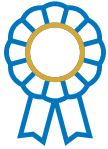
PSG Group of Institutions has been renowned for over a century for making phenomenal contributions to education and healthcare. Their latest convention center at [PSG iTech](#) campus is a stunning landmark that blends modern architecture and advanced engineering. The Center boasts of a 1,500-seat auditorium, ideal for hosting professional conferences, cultural events, educational seminars and much more. In addition, the Center features conference rooms, a banquet hall, VIP lounge, rehearsal rooms, and a spacious common area. As the Center is used for a variety of purposes, it required innovative audio, video, and control solution to ensure events run smoothly and efficiently. They found these solutions

“ **The client’s expectation was to have a world-class auditorium, which is aesthetically appealing, acoustically functioning, and the audience walks out with an amazing experience.** ”

Ar. Lakshmi Rajasiddharth

Principal Architect and Consultant, VISTA Architect

Challenges



Concert Quality Experience

The client requested a system that could provide a concert-level sound experience and an even distribution of sound from the front to the back of the auditorium.



Flexibility

The system must be able to accommodate varying event sizes in a timely manner.



Ease of Use

The system should allow event staff to adjust audio inputs and levels quickly and easily without the need for programming.

Ease of Design

The biggest challenge was to design a system which is flexible, adaptable and scalable at the same time. Q-SYS could provide that flexibility wherein with a touch of a button you could transform a convocation space into a rock concert space with the help of the presets created within the designed system.



Solutions

Versatile Setup

The auditorium is designed in the traditional style of an opera house with the combination of a large hall and a balcony set-up. To accommodate audio requirements of the structure, the [WideLine-10](#) line-array speaker system was used which has been designed to provide a compact system that has unique dispersion characteristics, high-power handling and extended low-frequency response. At the center of the PSG Convention Center is a [Q-SYS Core 110f processor](#) handling all I/O, routing, and DSP across audio, video, and control applications. This includes AV factors such as the sound system and wireless microphones in the auditorium, as well as two [Q-SYS NC Series network cameras](#), which are easily managed via Q-SYS. Instead of traditional stage boxes, the team opted to install [Q-SYS I/O](#) boxes on either side of the stage and control room which allows all microphone inputs and additional audio sources to be routed to the system.



Multipurpose Solutions

The Center features multiple rooms, each requiring distinct audio configurations. [AcousticDesign Series](#) and [AcousticCoverage Series](#) loudspeakers are mounted within the VIP lounge, conference rooms, and lobby ceilings, while [K.2 Series](#) powered loudspeakers are installed in the rehearsal rooms and seminar halls. "Getting clear audio to each room can sometimes take a toll on the processing power and the control hub but Q-SYS handles all of it and the user is able to control everything from a single point with [Q-SYS TSC Series touch screen controllers](#)," explains Gopala Krishanan S, Manager-Techno Commercial & Managing Partner at Studio Soundscape.

Dr. N. Saravanakumar who is the HOD of PSG iTech was personally managing the requirements of the auditorium. He remarked, "This was a once-in-a-lifetime project. It takes immense effort to design an audio system for a structure of this magnitude. But with assistance from the Q-SYS team, we were able to provide an AV system for the convention center." Q-SYS is privileged to be affiliated with this cutting-edge Convention Center, where future generations will be able to congregate, collaborate, and have access to an environment that is not only technologically sophisticated but aesthetically pleasing.



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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