

PARTNER STORY



HOTELS



OPPORTUNITY

To provide a world-class convention space with an emphasis on flexibility and ease of use, Sheraton Grand Bengaluru required a state-of-the-art networked AV and control system.



SOLUTION

Sound of Music India Pvt. Ltd. designed and Zerone Technologies Pvt. Ltd. installed a comprehensive HARMAN Professional Solutions networked AV system.

SHERATON GRAND BENGALURU, INDIA

Located in the tech hub of Bengaluru, Sheraton Grand Bengaluru's Convention Center is the largest meeting and conference venue in the city. Catering to the professional demographic, the hotel features an 8,500+ square-foot convention center with 50-foot ceilings and can host up to 2,000 guests. In order to ensure perfect coverage and premium clarity throughout the main convention space and eight private meeting rooms, the hotel management hired the services of one of India's leading acoustic and AV consultants, Sound of Music India Pvt. Ltd., to design a state-of-the-art networked AV system. Sound of Music India Pvt. Ltd. selected a comprehensive HARMAN Professional AV solution consisting of JBL loudspeakers, AKG microphones, Crown amplifiers, Soundcraft mixers and BSS signal processors, as well as AMX VoIP endpoints and network controllers.

"The hotel operators asked us to design an advanced AV solution that would meet industry standards while remaining flexible and easy to use," said Sunny Sarid, Managing Director and Principal Consultant, Sound of Music India Pvt. Ltd. "They also wanted the system to be able to handle almost all hosted events, eliminating the need to rent any additional AV equipment. I have worked with HARMAN on many large projects, and their after-sales support is critical to the success of large-scale installations. HARMAN's iconic brands provide all the technical proficiency necessary to deliver a perfect solution for even the most challenging requirements. We are extremely satisfied with the results achieved at Sheraton Grand Bengaluru. Zerone Technologies Pvt. Ltd. was the chosen System Integrator for this job."

The main audio system in the convention center is comprised of JBL VTX V20 three-way line array loudspeakers and S28 dual 18-inch subwoofers. Sound of Music India Pvt. Ltd. also included JBL VTX M20 dual 10-inch stage monitors, while JBL AC18|26 two-way loudspeakers provide front-fill coverage. The team powered all speaker systems with Crown I-Tech HD and XTi Series amplifiers.

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AKG

AMX

BSS

CROWN

dbx

JBL
PROFESSIONAL

lexicon

Martin

Soundcraft

STUDER



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AKG wireless microphone systems provide intelligible voice reproduction with clarity and untethered freedom of movement anywhere in the facility. The Sound of Music India Pvt. Ltd. team overcame the challenging acoustics of the large space with the dbx AFS224 processor, delivering top-notch automatic feedback suppression. Sound of Music India Pvt. Ltd. also provisioned a Soundcraft Vi3000 digital mixing console to ensure professional mixes for every type of event.

“We had to overcome several complications and challenges due to the venue’s architecture,” continued Sarid. “We designed each and every aspect to deliver a versatile solution without altering the building’s aesthetics. For example, we used acoustic treatment to reduce natural reverberation, and we rigged the speakers from the side walls for maximum coverage. The convention center’s AV system lives on a digital backbone with an easy-to-use interface and delivers flexibility to accommodate future changes on the same infrastructure.”

In their design, Sound of Music India Pvt. Ltd. planned for JBL Control 26CT and 24CT ceiling speakers to provide background music in the foyer, dressing rooms and restrooms. The Crown DCi 4|300N amplifiers, outfitted with BLU Link, are powering the speakers to facilitate better routing, monitoring and control.

The entire AV system is networked with BSS Soundweb London BLU Link processors, AMX NX-2200 NetLinx controller and SVSI encoders and decoders to provide users with an easy method to select sources and adjust volume levels in each zone of the large space. The project marked the first networked-AV-over-IP solution of a scale this large at a hospitality venue.

“We are honored to have helped with the first-ever installation of a networked-AV-over-IP solution at a hospitality venue,” said Aditya Todi, Sr. Director of Sales and Marketing, HARMAN Professional Solutions, India and SAARC. “The installation posed a significant challenge because the Sheraton Grand Bengaluru Convention Center serves a wide range of events, conventions, meeting, concerts and weddings. Rather than relying on a third-party AV company, the owners wanted an in-house AV system and team to handle all of the facility’s needs. We helped create a comprehensive integrated solution with both audio and video distributed over a digital backbone with HARMAN’s proprietary formats. We thank Mr. Sarid and the Sound of Music India Pvt. Ltd. team for their design acumen, for being a true supporter and partner to us, and believing in our technological vision. We would also like to thank Zerone Technologies Pvt. Ltd. for being an exceptional deployment partner in this installation. JBL VTX V20 line arrays deserve a special mention for proving their versatility in a fixed installation scenario and delivering concert-like sound quality in a complex, multipurpose venue.”





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PRODUCTS USED

AKG WIRELESS MICROPHONE SYSTEM
AMX SVSI 1000 SERIES NETWORKED AV ENCODERS & DECODERS
AMX NX-2200 NETLINX INTEGRATED CONTROLLER
AMX MSD-1001 WALL-MOUNTED TOUCH PANEL
BSS SOUNDWEB LONDON BLU LINK PROCESSORS
CROWN DCI 4|300N AMPLIFIERS
CROWN I-TECH HD SERIES AMPLIFIERS
CROWN XTI SERIES AMPLIFIERS
DBX AFS224 ADVANCED FEEDBACK SUPPRESSION PROCESSOR
JBL AC18|26 LOUDSPEAKERS
JBL CONTROL 26CT CEILING SPEAKERS
JBL CONTROL 24CT CEILING SPEAKERS
JBL S28 SUBWOOFERS
JBL VTX M20 STAGE MONITORS
JBL VTX V20 LINE ARRAY LOUDSPEAKERS
SOUNDCRAFT VI3000 DIGITAL MIXING CONSOLE

ABOUT HARMAN

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



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