



re-imagining corporate events

Building a Next Generation Auditorium with Networked AV technology

The client employed Actis to help upgrade an old auditorium and create a 200-seater space, which could be used to host organisational events that involve larger groups. Our team collaborated with their architects on a comprehensive revamp project to create an environment that delivers impeccable audio and video performance.

The Challenge

The client is a global software and technology firm with R&D facilities in India.

They wanted to undertake a comprehensive revamp of the existing auditorium to create a better environment for their corporate events. The 200-seater auditorium is used when large groups need to gather for briefings and lighter organisational meetings.

The client team wanted Actis to help create a powerful experience for the audience and to provide the technology for smoother monitoring and management of their events.

Creating Integrated AV experiences for large group events

The Solution



Epson large venue laser projector drives the 189" screen

Two more cameras are located at the rear of the auditorium allowing event managers to capture presenters or panellists. Recording and streaming of live video from the events is enabled by a VBRICK video content management solution. A Cisco SX-80 codec allows video conferencing when needed.

The audio performance in the auditorium was also considerably improved. We recommended acoustic treatment of the entire auditorium, rectifying problems that were caused by sound leakage. A Bose audio system, featuring full-range array speakers and a Biamp DSP, was installed and custom programmed for a simpler audio management. Shure wireless microphones capture crystal clear audio at all times.

The client wanted their auditorium to be transformed with the latest audio visual technology to improve the audience experience during important events.

Team Actis began by recommending an Epson large venue laser projector as the primary display for the auditorium. The ceiling-mounted unit generates extremely effective images on a large-frame 189" screen, even when the auditorium is well-lit. Two additional Samsung displays have also been provided as confidence monitors (for the presenter to view the screen's display).

For live video to be captured with great detail and clarity, we installed SONY cameras with 30X zoom support. Two of the cameras have been placed at the front, near the screen, to capture the audience.



Two 30X zoom rear cameras for complete visibility in the 200 seat auditorium

The Solution



Precise lighting management with 8 dimming zones

We've also provided longer range control access via a wireless iPad controller, with special WiFi access points extending the range of control to the back of the auditorium.

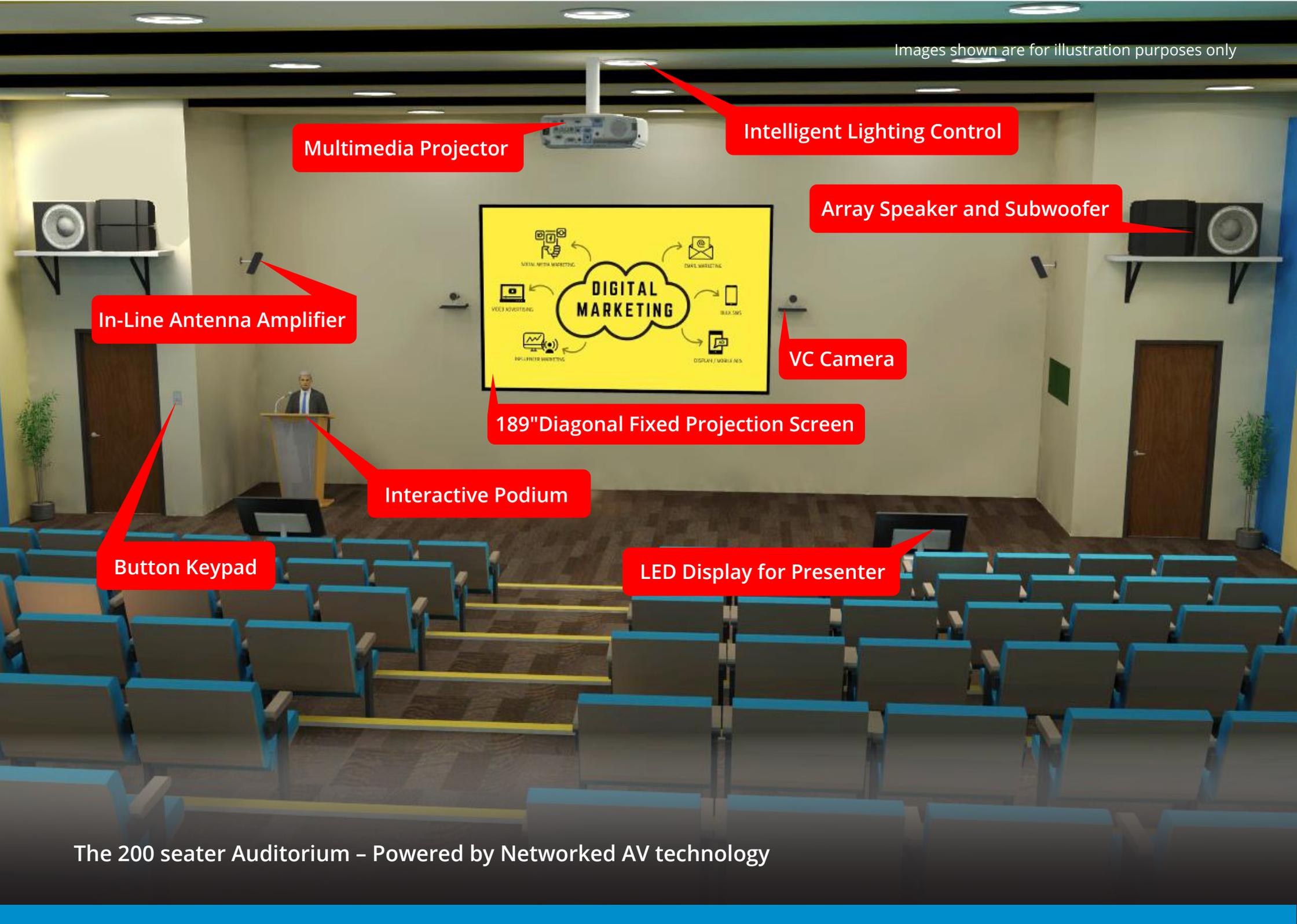
The Control Room: A dedicated control room has been created for comprehensive monitoring of the auditorium equipment during events. This includes a centralised AV rack, which makes it easy to access all the equipment for monitoring and maintenance. We've also provided JBL studio monitors for better audio monitoring and browser-based control of all systems via Crestron XPanel.

Lighting for transformation: Lighting plays a significant role in creating a compelling experience for audiences in large venues. Actis designed a lighting system, which incorporated Lutron lighting control. New high-brightness lighting fixtures allow VC calls to be conducted with great clarity, and up to 8 dimming zones have been set up for extensive zone control.

Perhaps the most important aspect of the entire system is the Crestron control system, which allows all aspects of the auditorium environment to be seamlessly managed. These include control over the lighting, video conferencing and AV switching functions that are critical to facilities teams and event producers. The control system also powers the presenter controls — including a wired touch panel installed in the podium.



Dedicated control room allows live monitoring



Multimedia Projector

Intelligent Lighting Control

Array Speaker and Subwoofer

In-Line Antenna Amplifier

VC Camera

189" Diagonal Fixed Projection Screen

Interactive Podium

Button Keypad

LED Display for Presenter

Intelligent Lighting Control

In-Line Antenna Amplifier

VC Camera

LED Display for Presenter

Auditorium: Multiple 30x zoom cameras allow VC, recording and live streaming



Images shown are for illustration purposes only

Multimedia Projector

Intelligent Lighting Control

In-Line Antenna Amplifier

Podium Microphone

VC Camera



189" Diagonal Fixed Projection Screen

Interactive Podium

LED Display for Presenter

Auditorium Stage - Podium controls and confidence monitors to aid the presenter

Images shown are for illustration purposes only

AV Equipment Rack

Control the corporate events through Joystick

Control Room: For seamless management of the entire auditorium environment

The Final Impression

The revamped auditorium created by Actis for the client has brought substantial improvement to their events, in terms of the experience of the audience and ease-of-use for their facilities team. The laser projection-based display was virtually the first of its kind in India and, along with other improvements, helps create a wonderful environment for events that are held in this space.

Note: Client particulars for this Case study have been withheld for privacy reasons

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