Pratyam®

CASE STUDY

PREPARED FOR :

ABHITECH ENERGYCON

INTELLIGENT BOARDROOM AV & COLLABORATION ENVIRONMENT

Intelligent Collaboration Systems for Abhitech Energycon

Project Overview

Client Name: Abhitech Energycon Pvt. Ltd.

Project: Board Room AV Setup – Version 2

Location: Mumbai, Maharashtra

The client required a future-ready boardroom capable of supporting high-level presentations, hybrid meetings, and secure global collaboration. The space needed to deliver exceptional audio clarity, immersive visuals, and simple one-touch control while remaining elegant and cable-free.

The Challenge

Traditional meeting rooms often suffer from inconsistent audio pickup, complicated source switching, and poor experiences for remote participants. The client wanted a system that would:

- provide crystal-clear speech capture without table microphones
- allow instant wireless content sharing
- offer intelligent camera framing
- integrate lighting and AV into a single control workflow
- remain scalable and serviceable for long-term use

Solution Overview

We designed and deployed a fully integrated AV architecture combining premium display technology, AI-driven video conferencing, networked audio, and centralized automation.

Visual Experience – Samsung IE015

- A large-format fine pixel pitch LED wall became the visual anchor of the room. The display delivers high brightness, deep contrast, and wide viewing angles, ensuring every participant enjoys sharp and vibrant content whether seated near or far.

Intelligent Video Collaboration – AVer CAM550

- The dual-lens AI camera automatically frames participants and tracks speakers in real time. Remote attendees receive dynamic, gallery-style views, creating a natural and engaging meeting experience.

Seamless Voice Capture – Sennheiser TeamConnect Ceiling 2

- Beamforming microphone technology allows voices to be captured clearly from anywhere in the room without handheld or tabletop devices. The clean ceiling installation preserves aesthetics while ensuring consistent intelligibility.

Distributed Audio System – Xilica Sonia C5 & Xilica Sonia Amp

- Network-powered speakers and amplification provide uniform sound coverage across the boardroom. The PoE design simplifies cabling while enabling flexible zoning and future expansion.

Audio Intelligence – Biamp TesiraFORTÉ DAN VT4

- Advanced digital signal processing eliminates echo, balances levels, and manages routing between microphones, speakers, USB devices, and conferencing platforms. The result is natural conversation without technical distraction.

Wireless Presentation & Routing – Crestron AM-3100

- Users can present content instantly from laptops or mobile devices without connecting cables, improving meeting speed and convenience.

Centralized Control – Crestron CP4

- All AV components, lighting elements, and source selections are unified into a single intuitive interface. Meetings begin with one touch, reducing dependency on technical staff.

Implementation Scope

The project included supply, installation, programming, testing, commissioning, and complete documentation. Every device was calibrated to deliver optimal performance and long-term reliability.

The Outcome

The boardroom is now a high-performance collaboration hub where participants experience:
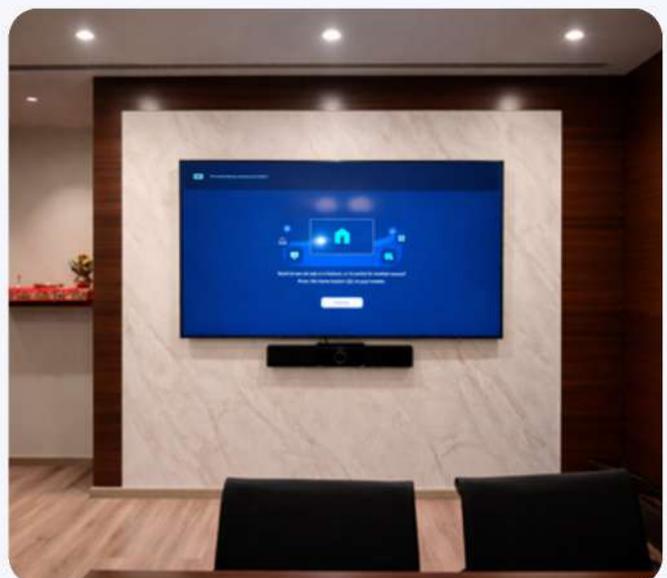
- effortless meeting startup
- immersive visuals
- accurate voice reproduction
- improved remote engagement
- simplified room management

Technology fades into the background, allowing leadership teams to focus entirely on decisions and communication.

Conclusion

The completed boardroom environment delivers a seamless blend of advanced audiovisual technology, intelligent automation, and user-friendly operation. High-resolution visuals, precise voice capture, and effortless wireless collaboration ensure that both in-room and remote participants experience meetings with equal clarity and engagement.

Through careful system design, structured integration, and thorough commissioning, the space now supports reliable day-to-day operations while remaining scalable for future upgrades. The client benefits from simplified meeting workflows, reduced technical intervention, and a premium communication environment aligned with modern enterprise standards.

GET IN TOUCH

Pratyam Technologies Private Limited

📞 +91 91371 54902

☎ 022-49705252

✉ service@pratyam.co.in

🌐 www.pratyam.co.in

📍 11, Floor-1, Plot-98/100, 2, Kantawala Building, MMGS Marg,
Near Dadar Rly Stn, Dadar(E), Mumbai – 400014