

CASE STUDY — SEMICONDUCTOR

Marvell Technology Bengaluru – Intelligent AV Ecosystem Across 93+ Spaces in 90 Days

📍 Bangalore, India 📅 2025 👤 Marvell Technology

93+

TOTAL SPACES

**90
Days**

DELIVERY
TIMELINE

32:9

LED DISPLAY

85+

MEETING ROOMS

IdeasAhead

AV Redefined

ideasahead.in

About the Client

Marvell Technology is a global leader in semiconductor solutions, driving innovation across data infrastructure. With a strong focus on performance, scalability, and future-ready technologies, Marvell's Bengaluru workspace reflects its commitment to cutting-edge collaboration and engineering excellence.

The Challenge

Marvell aimed to build a next-generation workplace supporting high-density meeting environments, flexible divisible training spaces, and large-scale internal broadcast capabilities — all within a strict 90-day timeline. The key challenge was delivering a consistent, intuitive, and scalable AV experience across diverse room formats while ensuring seamless integration between audio, video, and control systems.

PROJECT FACTS

CLIENT

Marvell Technology

INDUSTRY

Semiconductor

LOCATION

Bangalore, India

COMPLETED

2025

TOTAL SPACES

93+

DELIVERY TIMELINE

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Our Solution

Ideas Ahead designed and deployed a fully networked AV ecosystem built on Zoom Rooms as the unified communication platform, Dante-based audio architecture for low-latency scalability, AVoIP backbone for flexible video distribution, and Q-SYS platform for control, automation, and advanced processing. The solution delivered intelligent automation, seamless room combination logic, and a consistent user experience across all 93+ spaces.

Spaces Delivered

Meeting Rooms (Small & Medium) — 49 Nos

Standardized collaboration spaces equipped with high-resolution displays, Logitech Rally Bar systems, and Logitech Tap controllers. Designed for plug-and-play Zoom experiences ensuring simplicity and reliability.

Focus Rooms (1-4 Pax) — 38 Nos

Compact, high-efficiency spaces featuring Neat Frame and Neat Board (32") for quick meetings, focused work, and hybrid collaboration.

Divisible Training Rooms (1+1+1+1)

Highly flexible training environments operating as independent rooms or combined configurations. Features presenter tracking cameras, auto camera switching, auto audience framing (Q-SYS Vision Suite), Sennheiser ceiling microphone arrays with voice lift, and bi-directional broadcast capability to the cafeteria.

Cafeteria / Townhall

Multi-purpose engagement zone with a 32:9 active LED display, multiple repeater and confidence monitors, high-performance Q-SYS DSP audio with Sennheiser wireless microphones, dedicated presenter console, wired and wireless presentation options, and integrated stage lighting for townhalls and live sessions.

Key Results

- 1 Successfully delivered 93+ spaces within 90-day timeline
- 2 Seamless user experience across all room formats
- 3 High adoption due to intuitive Zoom-based system design
- 4 Flexible and scalable AV infrastructure with room combination logic
- 5 Bi-directional broadcast between training rooms and cafeteria
- 6 AI-driven camera automation for hands-free training sessions

Technologies Used

Q-SYS Control
& DSP

Zoom Rooms
Platform

Dante Audio
Network

AVoIP Video
Distribution

Sennheiser
Ceiling
Microphones

Logitech Rally
Bar & Tap

Neat Frame &
Board

Active LED
Display

Why IdeasAhead



Speed of Execution

Proven ability to deliver large-scale AV deployments within aggressive timelines.



Platform Expertise

Deep integration knowledge across Q-SYS, Zoom, Dante, and leading AV hardware.



User-Centered Design

Solutions designed for adoption — intuitive interfaces that employees actually use.



End-to-End Delivery

From design through commissioning and support — single point of accountability.

Let's Build Something Remarkable

Transform your workspace with intelligent AV solutions
designed for how your teams actually work.

IdeasAhead

AV Redefined

WEBSITE

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LOCATION

Bangalore, India