

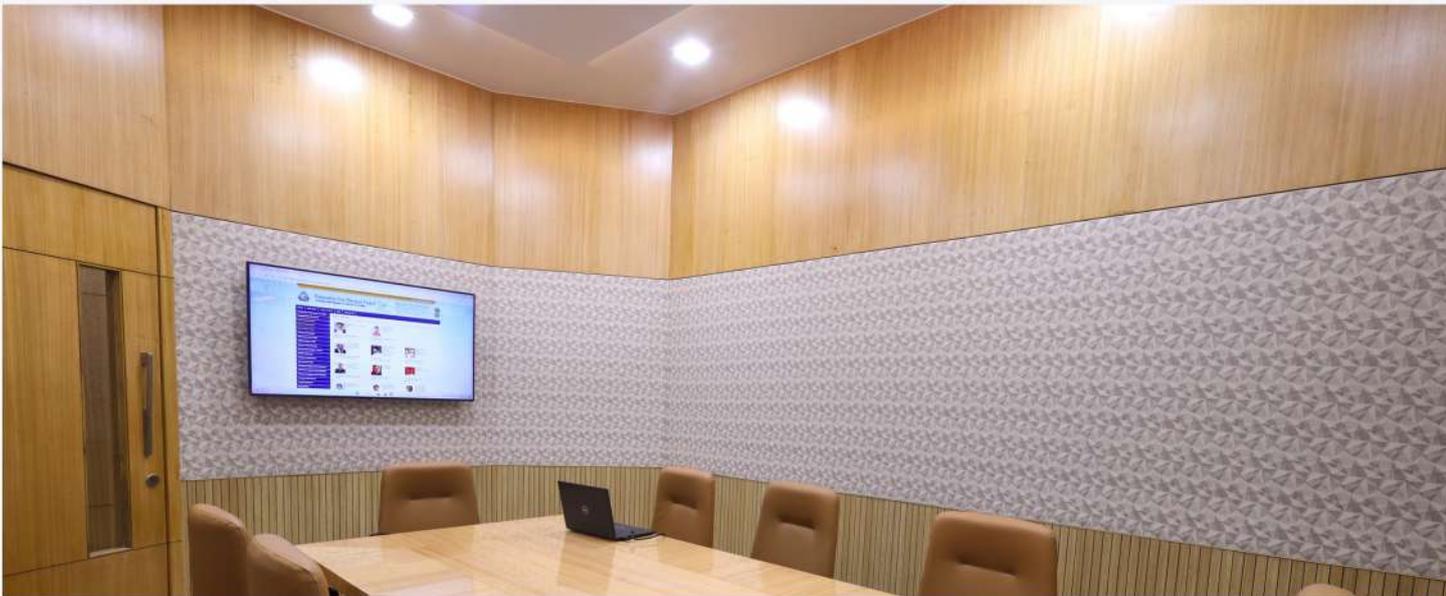


**Pratyam**<sup>®</sup>

# CASE STUDY

PREPARED FOR :

## MSPC MULUND



# ADVANCED AV SYSTEM INTEGRATION AT MSPC MULUND

*Integrated LED Videowall & Portable PA System Deployment*

## **Project Overview**

**Client Name:** MSPC Mulund – Audiovisual & Collaboration Enhancement

**Date of Deployment:** March 2026

**Location:** Mulund, Mumbai, India

MSPC Mulund is a modern corporate training and conference facility that required a state-of-the-art audiovisual ecosystem to support high-impact presentations, hybrid meetings, and centralized media control. The facility includes a Training Room, a Board Room, and multiple collaborative display zones, all of which needed to operate seamlessly under a unified management platform.

## **The Challenge**

- High-resolution **interactive display systems** for presentations and training
- Professional-grade **4K visual output**
- Secure and durable **mounting solutions**
- A clean, minimal, and reliable AV setup
- Use of **trusted global AV brands**
- Scalability for future upgrades

## SOLUTION OVERVIEW

We designed and implemented a structured AV solution tailored specifically for MSPC Mulund's workspace requirements. The system focuses on visual clarity, user convenience, and long-term reliability.

- Large-format **interactive 4K displays** for immersive presentations
- Supporting **4K LED displays** for extended visibility
- Heavy-duty **wall mounting solutions** for safety and stability
- Optimized placement to ensure maximum viewing comfort

## Key Technologies Deployed

### Interactive Displays

- Newline TT-9821Q 98" 4K Interactive Display
- Newline STV-55 55" 4K LED Displays
- Samsung BE50AH 50" 4K Commercial Displays

### Cameras & Video Capture

- Lumens VC-TR40 AI Auto-Tracking Camera
- Lumens VC-A53 PTZ Camera
- Poly EEIV-12X PTZ Camera
- Sennheiser TCC2 Ceiling Array Microphone

### Control & Automation

- AMX CP3 Central Control Processor
- Crestron AM3100 AirMedia® Wireless Gateway
- Apple iPad with Custom AVSI Control Interface

### Connectivity & Switching

- Liberty HDBaseT Transmission System
- ATEN USB Hub
- Logic Cable Cubby Units
- Professional AV Cabling (Belden / Kramer)

### Audio Systems

- Audac CIRA724 & CIRA524 Ceiling Speakers
- Audac EPA152 & EPA254 Power Amplifiers
- Xilica QR1 BYOD Audio Interface

### DSP & Signal Management

- Biamp TesiraFORTÉ DANVT4 Digital Signal Processor
- Biamp EX-UBT USB Expander
- Lightware UCX-4x2-HC30 USB-C / HDMI Switcher
- Managed Network Switch

### Infrastructure & Networking

- WQ / Netrack 12U Equipment Racks
- D-Link PoE Network Switch
- Linksys Routers

## Key Outcomes

- **Enhanced Collaboration** – Wireless sharing and AI auto-tracking cameras enable smooth hybrid meetings.
- **Superior Audio Intelligibility** – DSP-tuned speakers and beamforming microphones ensure clear, feedback-free sound.
- **Simplified Operation** – One-touch iPad control makes meetings easy to start and manage.
- **Future-Ready Infrastructure** – Dante, AVB, and 4K USB-C support long-term scalability.
- **Aesthetic Excellence** – Concealed cabling and ceiling-mounted hardware maintain a clean, premium look.

## Conclusion

The MSPC Mulund AV system integration by AVSI demonstrates how careful planning, premium component selection, and expert programming can transform a conventional meeting space into a high-performance collaboration hub. Every requirement – from 98" interactive displays to hidden ceiling microphones – was addressed with scalable, reliable technology.

This project stands as a benchmark for corporate AV installations, proving that seamless integration is the key to unlocking the full potential of modern communication tools.





## GET IN TOUCH

### **Pratyam Technologies Private Limited**

 +91 91371 54902

 022-49705252

 [service@pratyam.co.in](mailto:service@pratyam.co.in)

 [www.pratyam.co.in](http://www.pratyam.co.in)

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