

ALL WAVE AV DELIVERS A FUTURE-READY ENTERPRISE AV ECOSYSTEM AT MORNINGSTAR'S MUMBAI OFFICE



MorningStar Mumbai office's cafeteria on 8th floor with high-end AV solutions deployed by All Wave AV

Morningstar, a financial services and investment research organisation, required an enterprise-grade AV deployment capable of supporting diverse workplace functions in its Mumbai office while maintaining a consistent user experience across the facility. The installation covered six distinct space types, including an event space, divisible training rooms, standard meeting rooms, digital signage zones, refuge areas and the reception.

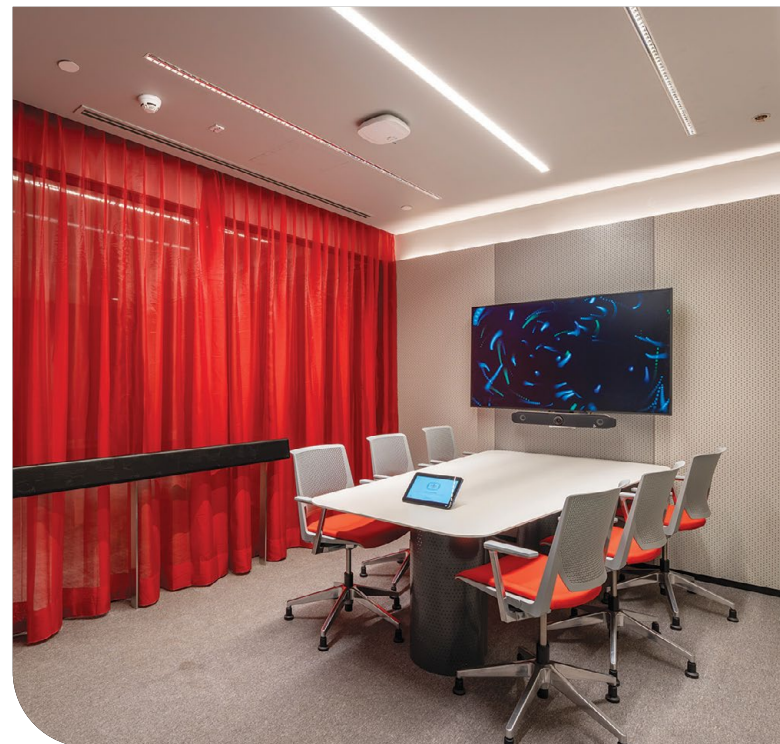
Serving as the appointed installation and commissioning partner, **All Wave AV** executed the project over a four-month installation period, transforming multiple workplace environments into intelligent, centrally managed collaboration spaces. Throughout this period, All Wave AV worked closely with stakeholders to ensure the deployment aligned with Morningstar's global AV specifications while delivering reliable day-to-day performance across every space.

AN ENTERPRISE-GRADE TECHNOLOGY DEPLOYMENT

The deployment is built around a fully integrated, centrally managed AV ecosystem standardised across every floor and space type, aligned with Morningstar's latest global AV specification.

At its core is a high-performance event space functioning as an amphitheatre environment, anchored by a **Samsung 182"** LED wall, a professional **Yamaha** audio system, a **Sony** auto-

*As organisations continue to embrace hybrid work environments, enterprise audiovisual infrastructure has evolved beyond conventional meeting room technologies into an integrated ecosystem that supports collaboration, communication and operational efficiency. Demonstrating this shift, **All Wave AV** recently completed a comprehensive AV deployment at **Morningstar's Mumbai office**, delivering a technology-rich workplace aligned with the company's latest global AV standards.*



MorningStar Mumbai's meeting room on 4th floor integrated with cutting-edge collaboration solutions

framing camera and a fully equipped control room running vMix for live streaming and content switching.

The divisible training rooms – each fitted with **Samsung 146” All-in-One LED displays**, **Poly G62 Zoom rooms systems**, **Shure ceiling microphones** and **Q-SYS network cameras** – can operate independently or merge with one another and with the event space, enabling dynamic configurations for varying audience sizes and use cases.

Standard meeting rooms across all floors are standardised around **Poly X52** and **TC10 systems** with wireless content sharing. The reception features a visually striking **Samsung 698” LED ribbon display** in a 22x1 configuration delivering 14K content, while background music and digital signage extend the AV experience across common areas and refuge zones, ensuring that the AV infrastructure contributes not only to communication but also to employee engagement and visitor experience.

A FULLY INTEGRATED TECHNOLOGY STACK

The deployment combines multiple AV technologies into a single interoperable

platform capable of supporting both current operational requirements and future scalability.

The technology stack spans advanced display and visual systems, unified communications platforms, professional audio systems, Digital Signal Processing (DSP), intelligent camera tracking, AV-over-IP signal distribution, and centralised room control. These technologies are unified through Q-SYS Core platforms and touch-panel interfaces.

OVERCOMING COMPLEX INTEGRATION CHALLENGES

As with any enterprise-scale deployment involving multiple manufacturers and diverse room configurations, the project presented several technical challenges during commissioning.

Five key technical challenges were identified and resolved including ACPR camera zone mapping across divisible room states, acoustic management under varying partition configurations, microphone gain calibration for both empty and occupied conditions, multi-system integration across six space types and multiple manufacturers, and network-level AV-over-IP instability

that was resolved through the introduction of **Netgear AV switches** while longer-term resolution continues with Morningstar’s network and Cisco teams.

DELIVERING PERFORMANCE BEYOND INSTALLATION

The completed deployment represents far more than a successful technology installation. By combining centralised management, flexible room configurations and standardised user experiences, the solution enables Morningstar’s teams to collaborate effectively across a wide variety of workplace scenarios from day one performing consistently under real operating conditions.

CONCLUSION

Morningstar Mumbai office project reflects All Wave AV’s ability to deliver complex, enterprise-scale AV environments that combine advanced technologies with practical workplace functionality. Through careful planning, seamless multi-system integration and meticulous commissioning, the company has created an intelligent AV ecosystem capable of supporting modern hybrid work while remaining aligned with global technology standards.