

SBI'S NEXT-GENERATION AV INFRASTRUCTURE: A TRANSFORMATION LED BY EYTE TECHNOLOGIES

*EYTE Technologies, in this feature, takes the readers through AV transformation undertaken at **State Bank of India's (SBI) BKC** corporate office in Mumbai. The feature explores the transition from a limited and inconsistent legacy AV ecosystem to a secure, scalable, and future-ready infrastructure designed to support executive communication, hybrid collaboration, training and large-scale internal events. It further discusses the project's technical planning, AV system optimisation, and project monitoring, offering an insight into how a large enterprise AV environment was planned around usability, security, operational efficiency, and future scalability.*



EYTE Technologies advances State Bank of India's BKC corporate office with a balanced and clutter-free executive setup

Given the fast-paced nature of banking operations and the need for real-time information sharing, State Bank of India's (SBI's) BKC corporate office required a robust, reliable, and scalable AV infrastructure. The SBI team prioritised solutions that combine technical excellence, operational simplicity, and the ability to support both in-person and hybrid meeting formats across multiple departments. For this installation, EYTE Technologies' objective was not only to enhance day-to-day executive workflows

but also to future-proof the office with solutions capable of handling evolving collaboration and digital presentation requirements.

The project spanned four operational floors at SBI's BKC corporate office, encompassing a diverse range of functional environments, including reception lounges, meeting rooms of varying capacities, executive and senior management cabins, auditoriums, conference halls, audit rooms, recreational zones, gymnasium, cafeterias,

VIP dining areas, breakout spaces, and high-security dealing areas.

UNVEILING NEEDS: A JOURNEY OF ANALYSIS

The assessment phase involved detailed consultations with multiple stakeholder groups, including administration teams, IT security departments, facility management personnel, and senior leadership representatives. Each stakeholder shared distinct expectations related to usability, security

compliance, operational efficiency, and future scalability. Consolidating these varied inputs within defined timelines was essential to formulate an AV strategy aligned with enterprise governance policies and organisational standards.

During the early stages of engagement, the Dealing Area was identified as the highest-priority zone due to its critical operational nature and the necessity for uninterrupted visibility of real-time financial data. This directed the initial advisory focus

towards high-impact visual infrastructure such as large-format video walls and ceiling-mounted information display systems, ensuring clarity, redundancy, and continuous information accessibility suitable for a high-security banking environment.

The consultancy process began with gathering and analysing end-user requirements to ensure that all operational, usability, and security needs were accurately captured. With the support of an in-house CAD and design division along with

Certified Technology Specialists (CTS), the consultancy team translated stakeholder requirements into a structured Preliminary Design Concept (PDC), supported by a comprehensive Bill of Quantities (BOQ).

CRAFTING VISION: THE DESIGN JOURNEY

Reception & Reception Lounges

The reception and lounge areas demanded a blend of aesthetics and functionality, where technology had to



The installation focuses on visual reach, speech clarity, and participant visibility from every seating position, allowing efficient meeting discussions and collaboration in all meeting and conference rooms

enhance communication without overwhelming the ambience. A primary challenge was maintaining optimal visibility across varying seating angles and lighting conditions while ensuring that information remained clear and engaging. Through careful assessment of viewing distances, ambient light levels, and wall placements, the advisory direction emphasised large-format professional display solutions integrated with centralised digital signage systems.

Meeting Spaces

Meeting environments across the facility were designed to support everyday collaboration. These rooms varied in size and purpose but collectively formed the operational backbone of departmental communication. The meeting room categories included Pax Meeting Rooms and Audit Rooms functioning as collaborative meeting environments.

During the consultation phase, consistent requirements emerged around clean table surfaces, minimal cable clutter, fast laptop connectivity, and effortless meeting initiation without technical assistance. The intent was to ensure that even first-time users could start a meeting or presentation within seconds, without relying on IT support.

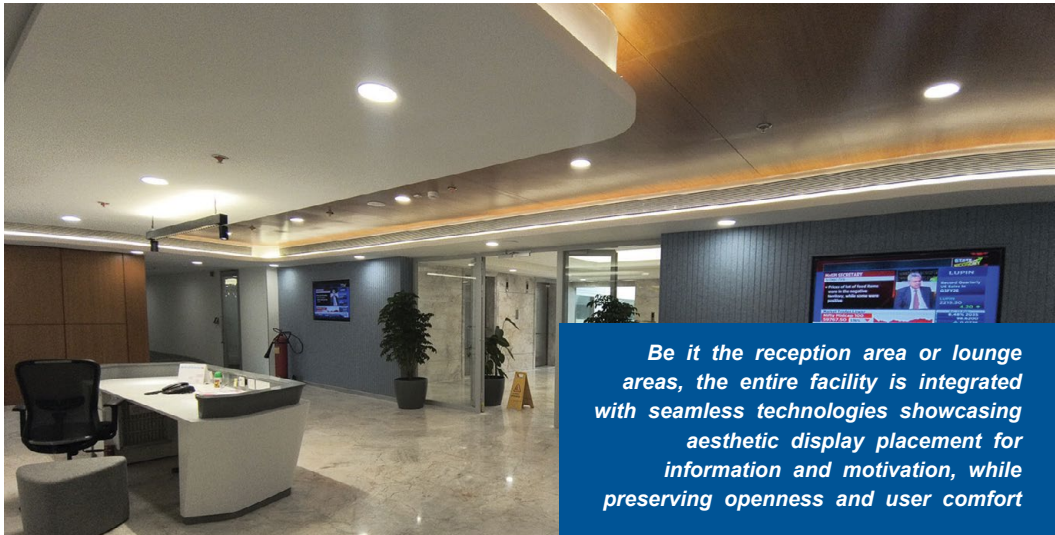
The advisory framework emphasised solutions that were compact, scalable, and uniform across these rooms to maintain consistency in user experience. Recommendations centred around all-in-one video conferencing bars with integrated cameras and microphones, wireless presentation gateways enabling BYOD

compatibility, discreet table or ceiling microphone options where required, and touch-enabled control panels.

Large Conference Room

The large conference space was envisioned as a formal collaboration and leadership discussion environment. Due to its higher seating capacity and elongated table layout, special attention was given to visual reach, speech clarity, and participant visibility from every seating position. Room acoustics, ceiling finishes, and furniture geometry were evaluated to minimise audio reflections and visual blind spots.

The advisory direction focused on creating a balanced and clutter-free executive setup. Recommendations included large-format professional displays or high-brightness laser projection systems to maintain readability across the room, supported by distributed ceiling speaker layouts for uniform sound coverage.



Be it the reception area or lounge areas, the entire facility is integrated with seamless technologies showcasing aesthetic display placement for information and motivation, while preserving openness and user comfort

Conferencing readiness was addressed through auto-framing PTZ camera provisions capable of capturing the entire table during hybrid sessions.

Motorised retractable table-top monitors were also proposed. These remain concealed when not in use and rise only during presentations or data reviews, ensuring both privacy and a clean executive appearance.

Wireless and wired presentation gateways were suggested for quick laptop connectivity, along with centralised touch-based AV control panels enabling one-touch operation without technical assistance.

Auditorium – 40 Pax Multipurpose Hall

The 40-pax auditorium was envisioned as a high-impact multipurpose communication environment designed to host leadership briefings, internal training sessions, departmental gatherings, and hybrid town-hall interactions. The space required strong visual presence, intelligent camera coverage, and evenly distributed audio reinforcement to ensure consistent clarity and engagement.

The advisory framework emphasised a large-format active LED video wall as the primary display surface, supported by auxiliary professional displays and a dedicated confidence display for presenters. A network-based video distribution architecture utilising encoder and decoder endpoints was also incorporated to provide routing flexibility and long-term scalability.

Video capture and collaboration readiness were addressed through multiple PTZ network cameras integrated with an

AI-assisted multi-camera tracking system, enabling automatic presenter framing, audience coverage, and smooth transitions.

Operational simplicity was achieved through a touch-based centralised control interface, coordinated lighting control integration, and a high-capacity network switch dedicated to audio, video, and control traffic.

Executive & Senior Management Cabins

Cabins allocated for senior leadership roles required a technology environment that balanced professional presentation capability, hybrid communication readiness, and operational discretion.

The consultancy recommendations centred around wall-mounted professional 4K displays paired with compact video-conferencing bars, enabling high-quality visual output and integrated camera-audio functionality without occupying desk space.

Each cabin configuration incorporated a centralised control processor with a touch-tablet-based graphical user interface, enabling unified operation of display systems, conferencing devices, lighting, and optional drape control where applicable. Dedicated computing systems for unified communication platforms, wireless keyboard and mouse interfaces, and provision for satellite or broadcast content access were also included where required.

Audit Rooms

Audit rooms were planned as confidential discussion and document review spaces where clear visuals and reliable communication were essential. The focus was on maintaining privacy while ensuring smooth hybrid collaboration without

unnecessary technological complexity.

The recommendations included mid-sized 4K professional wall-mounted displays, compact all-in-one video conferencing bars, and HDMI/USB-C switching with extender capability for easy laptop connectivity. Table-integrated cable cubbies with retractable HDMI and USB modules were advised to keep the workspace organised and clutter-free.

For operational efficiency, a compact control processor with wireless tablet-based AV control, a room scheduling panel outside the room, and dedicated room PC provision were considered. Supporting infrastructure such as Wi-Fi routers with built-in access points, mounting hardware, and structured cabling ensured stable connectivity, simplified control, and long-term usability.

Cafeterias, VIP Dining & Recreational Areas

These spaces were conceived as informal engagement and hospitality zones rather than structured meeting environments. The technology approach emphasised subtle visual communication and light background audio readiness, allowing announcements or internal messaging without disturbing the relaxed ambience.

The BOQ provisions reflect professional wall-mounted 4K displays across VIP dining, cafeteria, and recreational areas, supported by appropriate mounting hardware and set-top box connectivity for content sources. In the cafeteria, additional HDMI distribution and receiver units enable multi-screen content sharing, while an audio de-embedding unit and compact amplifier support distributed background sound. Ceiling speakers with wide cover-

age were also included across VIP dining and cafeteria areas to ensure even audio distribution without visible clutter.

Gymnasium, Breakout & Lounge Areas

These wellness and informal interaction spaces were planned with minimal yet purposeful technology integration, ensuring utility without visual or technical clutter. The advisory direction focused on aesthetic display placement for informational, motivational, or entertainment content while preserving openness and user comfort.

The gymnasium includes a professional wall-mounted 4K display with set-top box provision, supported by a wireless audio streaming unit, compact amplifier, surface subwoofer, and distributed wall loudspeakers to enable energetic yet controlled background sound.

For breakout and lounge areas, the technology footprint remains intentionally light, comprising a single professional display with mounting hardware and set-top box readiness, along with essential cabling provisions ensuring quick information sharing or casual viewing while maintaining a relaxed, uncluttered atmosphere.

Dealing Area

The Dealing Area represented the most critical operational zone within the facility, driven by continuous dependence on real-time financial data, live feeds, and uninterrupted visual monitoring. Unlike standard collaboration spaces, this environment required specialised multi-display planning, signal redundancy consideration, and structured distribution architecture to ensure zero information downtime.

The consultancy direction emphasised a dual-side large-format micro-LED video wall arrangement positioned for consolidated data visualisation, supported by dedicated visualisation servers, dealing keyboards, and system feed transmitters/receivers to enable centralised as well as user-level control of content sources. Satellite feed provisions and existing dealing infrastructure integration were also considered to maintain compatibility with pre-installed operational systems.

To enhance distributed visibility across the floor, the planning further incorporated a ceiling-mounted display grid comprising multiple professional 55-inch panels installed in both back-to-back and single-sided configurations. This was supported by a



INVENTORY LIST:

- Display Systems – Sony FW-55BZ40L, FW-65BZ40L, and FW-75BZ40L
- Wall Mount Bracket – B-Tech BT8312/B V2
- Ceiling Mount Bracket – B-Tech BT8428-150/B
- Ceiling Tilt Mount Bracket – B-Tech BT8426/B
- Display Flat/Pop Out Wall Mounting Bracket – B-Tech BT8312/B V2
- Display Flat/Tilt TV Wall Mount Bracket – B-Tech BT8312/B V2
- Display Flat Pop Out Wall Mounting Bracket – BT8310XL/B + BT7565/B
- LED Video Wall – Samsung MM012F, IA012B, MM015F-A
- Wireless Presentation Device – Kramer VIA GO 3, VIA Connect 3
- Matrix Switcher – Kramer VS-42H2
- HDBaseT Transmitter - Kramer TP-580 T and TP-580R
- Transcoder – QSC NV-21-HU, QSC NV-32-H, QSC NV-21-PSU
- Capture Card Device – Inogeni 4K2USB3
- Video Conferencing Device – Poly V52 and Poly V72
- PTZ Camera Device – QSC NC-20x60
- Ceiling Speaker – QSC AD-C6T-ZB-WH
- Column Array Speaker – QSC AD-S802T-BK
- Wall Loudspeaker – QSC AD-S6T-BK
- Gooseneck Microphone – Sennheiser MEG14-40 B-MAT 133S
- Ceiling Tile Microphone – Sennheiser TCC2
- Digital Signal Processor – QSC Core 24f
- Networked AV Control Processor – Crestron RMC 4 + WPE-4803RU
- Room Scheduler – Crestron TSW-770-B-S + TSW-UMB-70
- Touch Displays – QSC TSC-101-G3+TSC-710t-G3 and QSC TSC-70-G3+TSC-710t-G3
- Rack-Mount Network Switch – Netgear GSM4352+APS600Wv3
- Wi-Fi Access Point – Netgear WAX220
- Managed Gigabit PoE+ Switch – Netgear GSM4352+APS600Wv3
- Lighting Control Module – Crestron DIN-8SW8-I



Executive cabins at SBI BKC corporate office ensure a secure, clutter-free, and technologically capable workspace aligned with leadership communication needs, privacy expectations, and enterprise-grade operational standards

scalable AV-over-IP encoder-decoder ecosystem, managed high-capacity network switching, tablet-based AV control interfaces, and localised AV racks for structured equipment housing. Dedicated satellite feed inputs and structured cabling pathways were also included to ensure signal reliability and organised routing.

DECODING SOLUTIONS: TECHNICAL COMPARISON & POCS

Following rigorous evaluation and multiple proof-of-concept demonstrations, the client opted for state-of-the-art interactive and non-interactive display solutions. The evaluation considered key factors such as lux levels under different lighting conditions, content management flexibility, ease of operation, and BYOD functionality. During the POCs, responsiveness, reliability, and seamless integration with personal devices were thoroughly tested and validated.

Addressing security concerns and IT policy compliance, the solutions met all organisational requirements, ensuring safe and efficient deploy-

ment across collaborative workspaces and dynamic communication areas.

GUIDING PROGRESS: FROM PROJECT MONITORING TO HANDOVER

Upon engaging the Audio-Visual Systems Integrator (AVSI), **Godrej**, a proactive project management approach was implemented to ensure adherence to stringent timelines. Weekly site visits were scheduled to monitor progress, address obstacles, and maintain seamless execution throughout the project lifecycle.

Both the AVSI and consultancy team worked collaboratively to identify challenges early and implement effective solutions, ensuring smooth progress at every stage.

Current Status and System Optimisation

The project is actively progressing, with system installations and testing ongoing to optimise AV functionality. Regular audits and checks are being conducted to identify and rectify any snags, with the AVSI playing a pivotal role in ensuring that all systems operate efficiently. The project continues to advance towards final completion, with a focus on meeting all operational and performance expectations.

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