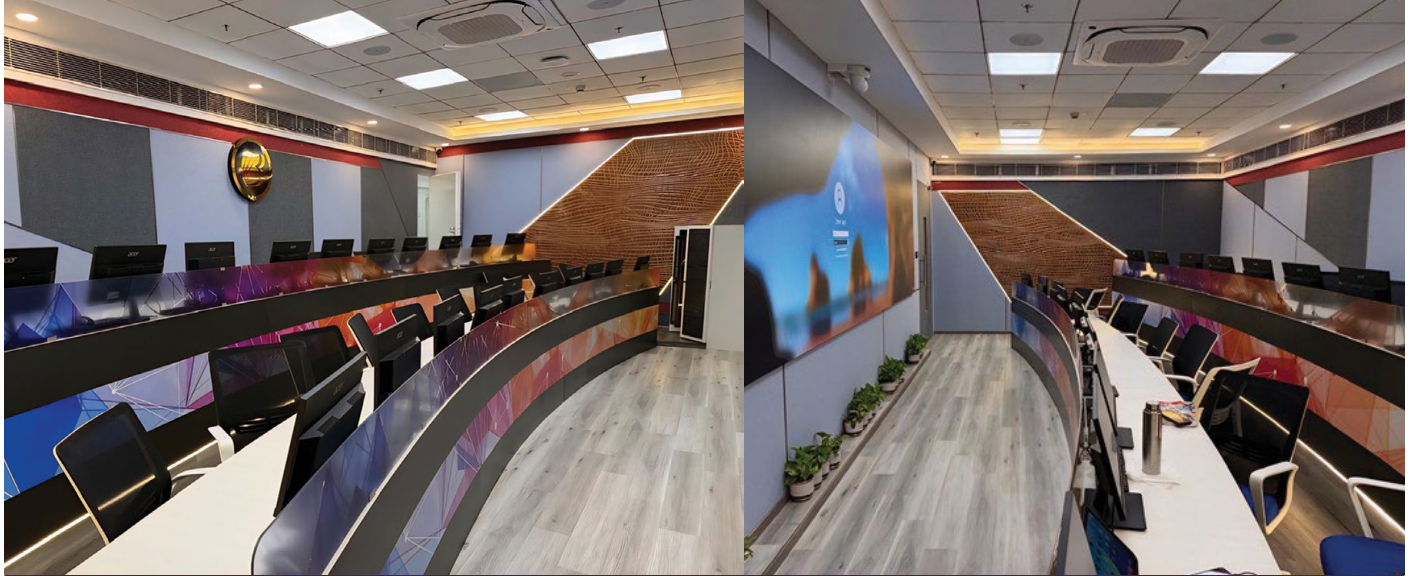


SYSTEMS INTEGRATOR: BANKING & FINANCIAL SERVICES

As a technology-driven financial institution, **Bank of Baroda (BOB)** places strong emphasis on the adoption of secure, scalable, and resilient digital infrastructure to support its core banking operations. Modernising its IT and operational technology ecosystems, BOB recently upgraded its **Critical Application Monitoring Center (CAMC)** to ensure uninterrupted availability of critical banking applications, real-time transaction monitoring, and rapid incident response. In this feature, **EYTE Technologies Pvt. Ltd.** shares the design and consultancy offered by the systems integrator to enhance and support bank's critical applications and digital banking operations.



Through meticulous planning, integrated design, and close collaboration with the appointed AVSI, EYTE Technologies successfully delivered a future-ready Critical Application Monitoring Center that enhances operational visibility, system reliability, and overall resilience of the bank's digital infrastructure

REDEFINING EXCELLENCE: EYTE TECHNOLOGIES CREATES A SECURE, AND HIGHLY RELIABLE MONITORING ENVIRONMENT FOR BANK OF BARODA (BOB)

The Critical Application Monitoring Center (CAMC) – Dadar project was undertaken to create a robust, secure, and highly reliable monitoring environment for Bank of Baroda. The objective was to design and implement an integrated technology ecosystem capable of 24x7 monitoring, rapid decision-making, and uninterrupted operations, in line with stringent banking and regulatory requirements.

EYTE Technologies Pvt. Ltd. was engaged as the design and consultancy

partner to provide end-to-end expertise across audio-visual systems, IT coordination, lighting, acoustics, and interior technology integration. The project demanded seamless coordination between multiple stakeholders while adhering strictly to the BOQ-defined scope, budgetary constraints, and tight timelines.

A key focus of the project was the development of a high-impact visualisation platform, centred around a Windows-based **video wall processor**, enabling **real-time display** of dashboards, alerts, and mission-critical data. Equal emphasis was placed on

operator ergonomics through optimised **lighting and acoustic** treatments, ensuring comfort and efficiency during extended monitoring hours.

UNVEILING NEEDS: A JOURNEY OF ANALYSIS

The initial phase of the CAMC project focused on a detailed need analysis involving key stakeholders from Bank of Baroda, including IT operations, facilities management, security, and project teams. Given the mission-critical nature of the facility, it was essential to clearly understand

operational workflows, monitoring requirements, and compliance constraints before progressing to design development.

The primary requirement was to establish a centralised monitoring environment capable of providing real-time visibility. This necessitated a high-resolution video wall solution with flexible content management, seamless integration with existing IT systems, and the ability to scale as operational demands evolve.

Equally important was the need to create an ergonomic workspace for operators working extended shifts. Factors such as optimal viewing angles, controlled lighting levels, and effective acoustic treatment were carefully evaluated along with strict adherence to banking security policies and IT governance standards.

Through comprehensive site assessments, stakeholder consultations, and BOQ evaluations, EYTE Technologies consolidated diverse inputs into a unified design approach. This phase laid the foundation for a resilient, secure, and future-ready monitoring center aligned with Bank of Baroda's operational and regulatory expectations.

CRAFTING VISION: THE DESIGN JOURNEY

Designing the Critical Application Monitoring Center (CAMC) – Dadar required a holistic and detail-driven approach, balancing technology performance, operational reliability, and user comfort within a highly secure banking environment.

The design journey began with the development of a centralised visualisation strategy, where the video wall served as the focal point of the monitoring center. Careful consideration was given to screen size, resolution, content zoning, and viewing distances to ensure clear visibility of dashboards, alerts, and real-time application data from all operator positions. A Windows-based video wall processor was selected to provide flexibility, ease of integration, and long-term scalability, enabling seamless management of multiple data sources within a secure environment.

AV system design was also closely coordinated with the IT infrastructure to ensure compliance with stringent banking security policies. Network segregation, controlled access protocols, and system redundancy were incorporated into the design to maintain uninterrupted operations. Intuitive control interfaces were deployed to enable operators and administrators to manage multiple systems efficiently,

reducing operational complexity while ensuring reliability.

Equal emphasis was placed on human-centric and architectural design elements to support extended monitoring operations. A comprehensive acoustic strategy was implemented, including wall acoustic treatments and sound-absorptive finishes to reduce ambient noise levels and improve speech intelligibility across the control room. Acoustic wooden doors were specified to enhance sound isolation without compromising aesthetics.

Interior design elements were meticulously coordinated with technology integration. This included wall partition systems, a combination of false ceiling solutions using grid and gypsum systems and raised seating platforms to ensure optimal sightlines toward the video wall. Custom-designed operator tables were planned to accommodate AV, IT, and power requirements in a clean and organised manner, while wooden storage units for AV racks were integrated to provide secure equipment housing and ease of maintenance.

The lighting design was carefully engineered to enhance visual comfort and operational efficiency. A layered lighting approach was adopted, incorporating ceiling lights for uniform illumination, foot lights along walkways and raised platforms for safe movement, and task-appropriate lighting levels to minimise glare and eye strain during prolonged monitoring hours.

A structured raceway and conduiting system were designed and coordinated across AV, IT, electrical, and interior disciplines to ensure neat cable management, future scalability, and ease of servicing.

Through iterative design reviews, BOQ validation, and close coordination with all stakeholders, the final design successfully achieved a balance between operational excellence, regulatory compliance, and future readiness, forming a resilient and scalable foundation for Bank of Baroda's Critical Application Monitoring Center.

DECODING SOLUTIONS: TECHNICAL COMPARISON & POCS

Given the mission-critical nature of the Critical Application Monitoring Center (CAMC) – Dadar, a thorough technical evaluation process was undertaken before finalising the solution architecture. Multiple technology options were assessed through detailed comparisons, demonstrations, and Proof-of-Concept (POC) exercises to ensure compliance with the operational, security,

Top AV Brands in the Install

- ClearOne (microphones)
- QSC (speakers)
- Crestron (Controllers / touch panels)
- Pixip / Novastar / Drita (LED Video Walls / Windows based Video wall processor)
- Cisco (Video conferencing Codec, VC bars)

and performance requirements of Bank of Baroda.

The video wall ecosystem formed the backbone of the monitoring center and was evaluated across parameters such as resolution, processing capability, system stability, redundancy, and ease of content management. A Windows-based video wall processor was finalised based on its flexibility, compatibility with diverse data sources, and ability to support future expansion without significant architectural changes.

For the AV control and signal management infrastructure, enterprise-grade solutions were compared to ensure reliable 24x7 performance, centralised monitoring, and minimal system latency. Special emphasis was placed on interoperability with the bank's existing IT ecosystem while maintaining strict adherence to cybersecurity and access-control policies.

Lighting and acoustic solutions were also subjected to comparative assessments, focusing on operator comfort, reduction of visual and auditory fatigue, and suitability for prolonged monitoring environments. Mock-ups and sample installations were reviewed to validate design assumptions and ensure real-world performance aligned with specifications defined in the BOQ.

GUIDING PROGRESS: FROM PROJECT MONITORING TO HANDOVER

Upon engagement of the Audio-Visual Systems Integrator (AVSI) - **Unicom**, a proactive project management approach was adopted to ensure adherence to stringent timelines and technical requirements defined for the Critical Application Monitoring Center (CAMC) – Dadar at Bank of Baroda. Weekly site visits were systematically scheduled to monitor progress, address on-site challenges, and maintain alignment with approved designs and BOQ

specifications.

EYTE Technologies worked closely with the AVSI and allied stakeholders to identify potential risks at early stages and implement timely corrective measures. This collaborative approach ensured smooth execution across various phases of installation, while maintaining compliance with the bank's operational, security, and quality standards.

A structured handover was successfully

completed on 14 January 2026, marking a significant milestone in the project lifecycle. Post-handover activities continued to focus on system optimisation, fine adjustments, and performance validation to support long-term reliability of the monitoring centre.

A REFLECTIVE CONCLUSION

The successful execution of the Critical Application Monitoring Center (CAMC) –

Dadar project stands as a testament to the dedication, technical expertise, and structured leadership demonstrated by Principal Consultant, Arif Patil and the entire EYTE Technologies team. Through a proactive and solution-driven approach, the team ensured that key project milestones were achieved efficiently, resulting in a robust, secure, and fully functional AV and monitoring infrastructure aligned with the operational expectations of Bank of Baroda.