Matrix's *Cloud-Based Attendance System,* **COSEC VYOM,**
Elevates Efficiency *across Multiple Locations* for
UK-based Indian Multinational Public Sector Bank
Case Study

Overview
- **Application:** Cloud-Based Attendance System, Access Control
- **Users:** 275
- **Industry:** BFSI
- **Credential:** RFID Card
- **Location:** United Kingdom (14 Locations)

Company Profile:

As an Indian multinational public sector bank, this financial services entity plays a pivotal role in fostering India's economy. It caters to the diverse needs of its extensive customer base. In the United Kingdom, this institution has been an active participant since the early 1900s, gradually expanding to become the largest Indian bank in the UK. While its initial foray into the UK market focused on wholesale banking, it has since diversified its offerings to include a dedicated retail arm. It operates 11 branches across the UK, offering a comprehensive range of financial products and services tailored to both commercial and individual clients. These include commercial lending, buy-to-let mortgages, cash ISAs, safe deposit lockers, instant access savings accounts, business accounts, and fixed deposits.

Overview:

Facing the challenge of integrating attendance and payroll software along with the inability to effectively restrict unauthorized access to its secured premises spread across 14 locations, a prominent financial institution sought a comprehensive multi-location solution. Additionally

Looking forward to not maintaining a different software platform for employee directories, the institution grappled with operational inefficiencies and security concerns.

To overcome these hurdles, the institution was in search of an integrated cloud-based attendance system that seamlessly integrates with payroll, enhances access control measures, and consolidates employee directory management, ensuring streamlined operations and heightened security across its premises.

Challenges:

Matrix understood the client's requirements for their attendance and access management system.

The challenges revolved around providing a cloud-based attendance system and access management processes, as outlined below:

- **Need for Integrated User Events and Payroll Software**
  The financial institution struggled with managing attendance and payroll software separately, leading to inefficiencies and potential discrepancies in salary processing. There was a pressing need to integrate these systems for seamless data flow and improved payroll management.

- **Inadequate Entry and Exit Security Measures**
  The institution faced difficulties in restricting unauthorized entry and exit into its secured premises, posing security risks. Strengthening access control measures was imperative to mitigate the threat of unauthorized access and safeguard personnel and assets.

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- **Need for a Single Employee Directory**
  Managing different software for employee directories would add complexity and inefficiency to administrative processes. Consolidating employee directory management into a unified platform was essential to ensure accuracy, consistency, and ease of access to employee information.

- **Need for a Dedicated Server to Safeguard Data Integrity and Compliance**
  The client had strict requirements for data being used and one of their most important clauses was the non-usage of their main servers to manage third-party applications. The need arose for a separate server or a Cloud-Based Attendance System to host third-party applications and services, ensuring stringent data protection measures and compliance with relevant regulations.

These challenges underscored the necessity for comprehensive solutions to enhance operational efficiency, security, and data management within the financial institution.

Solution:

Matrix efficiently met these needs, providing solutions that improved their client's operations.

To address the challenges faced by the financial institution, Matrix provided comprehensive solutions inclusive of Cloud-Based Attendance System that revolutionized its attendance management systems:

- **Integration of Events and Payroll Software:**
  Matrix seamlessly integrated the institution's event logs and payroll software, Darwin Box via API Integration, ensuring synchronized data flow. By consolidating these systems, Matrix enabled seamless payroll processing, reducing inefficiencies and minimizing the risk of discrepancies in salary management.

- **Enhancement of Entry and Exit Security Measures:**
  Matrix implemented proactive access control measures to fortify the institution's premises against unauthorized entry and exit. Leveraging cutting-edge technology, Matrix bolstered security protocols, mitigating potential risks and safeguarding personnel and assets effectively.

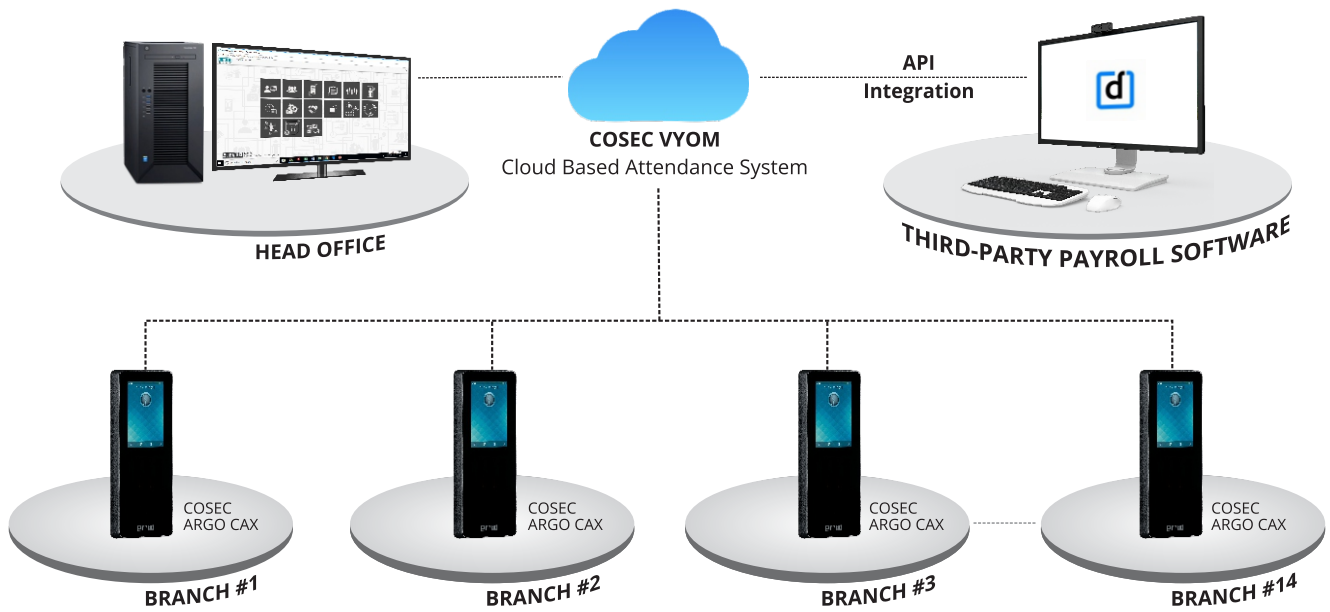- **Unified Employee Directory Management:**
  Matrix consolidated the institution's employee directory management by providing a unified platform. By centralizing employee data, Matrix streamlined the system in such a way that any changes in the payroll software would get reflected in the COSEC software, ensuring accuracy, consistency, and ease of access to vital employee information.

- **Implementation of Cloud-based Solution:**
  With a strict non-usage clause to implement the COSEC application in their main server, Matrix suggested and implemented its COSEC VYOM, a Cloud-based attendance system for their needs. Further, this system was integrated with their payroll system via API Integration.

Application Scenario:

HEAD OFFICE

COSEC VYOM
Cloud Based Attendance System

API Integration

THIRD-PARTY PAYROLL SOFTWARE

COSEC ARGO CAX — BRANCH #1

COSEC ARGO CAX — BRANCH #2

COSEC ARGO CAX — BRANCH #3

COSEC ARGO CAX — BRANCH #14

Results

Matrix's comprehensive solutions delivered significant improvements across multiple aspects of the financial institution's operations, yielding tangible results in efficiency, security, and compliance:

- Streamlined Payroll Processing: The integration of event logs and payroll software enabled seamless data flow and streamlined payroll processing. By consolidating these systems, Matrix reduced inefficiencies and minimized discrepancies in salary management, resulting in more accurate and efficient payroll processing.

- Enhanced Premises Security: Matrix's proactive implementation of access control measures significantly strengthened the institution's security posture. By leveraging cutting-edge technology, Matrix fortified entry and exit points, mitigating security risks and safeguarding personnel and assets effectively.

- Centralized Employee Directory Management: Through the unified platform for employee directory management, Matrix streamlined administrative processes and ensured consistency and accuracy in employee data. Any changes made in the COSEC application were automatically reflected in the payroll software, reducing manual effort and minimizing errors.

- Compliance with Data Protection Regulations with Cloud-Based Attendance System: With the provision of COSEC VYOM, Matrix's cloud-based attendance system helped in ensuring compliance with the client's strict data protection requirements. By segregating data and applications, Matrix enhanced data integrity and ensured adherence to relevant regulations, mitigating the risk of data breaches and non-compliance penalties.

Overall, Matrix's solutions not only addressed the challenges faced by the financial institution but also delivered tangible results in improving operational efficiency, strengthening security measures, ensuring compliance, and optimizing data management. By successfully implementing integrated systems and innovative solutions, Matrix contributed to the institution's overall effectiveness and resilience in the financial sector landscape.

Products Offered

Products Offered	Description
COSEC ARGO CAM200	MiFare Classic Card-Based Ultra Fast Door Controller
COSEC VYOM TENANT	Tenant User License
COSEC VYOM PLATFORM UD10K	Cloud-based Platform User License for 10K User Days
COSEC VYOM PLATFORM UD100K	Cloud-based Platform User License for 100K User Days

About Matrix

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As a technology-driven, and customer-focused organization, the company is committed to keeping pace with the revolutions in the Security and Telecom industries.

With around 40% of its human resources dedicated to the development of new products, Matrix has launched cutting-edge products like Video Surveillance Systems – Video Management Systems, Network Video Recorders and IP Camera, Access Control and Time-Attendance Systems as well as Telecom Solutions such as Unified Communications, IP-PBX, Universal Gateways, VoIP and GSM Gateways and Communication Endpoints. These solutions are feature-rich, reliable, and conform to international standards.

Having global footprints in Asia, Europe, North America, South America, and Africa through an extensive network of more than 4000+ channel partners, Matrix ensures that the products serve the needs of its customers faster and longer.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, and 9001: 2015 certifications for quality management standards. Matrix has also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing. Matrix has gained the trust and admiration of customers representing the entire spectrum of industries.

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Due to continuous technology upgradations, product specifications are subject to change without notice.