Cash Management Solutions Company in Riyadh - KSA Secures its Premises with Matrix Security Solutions

Case Study

INTRODUCTION:

This Cash Management Solutions company based in Riyadh - KSA, is one of the leading players providing customized cash solutions to Banks, CITS, and Corporates. They manage the company's end-to-end cash receivables and payables to facilitate effective business operations. Their multi-site installations across Riyadh make cash handling faster, safer, and more efficient.

CHALLENGES:

Being a company involved in cash management its facilities are vulnerable to various crimes like theft, fire, cyber vulnerabilities and many more. It is therefore important to have complete control over who has access to their premises, and detecting suspicious activities at an early stage to be able to initiate corrective measures.

To combat the security challenges Close to 300 IP Cameras and 35 Door Controllers were deployed across its facility. However, the entire infrastructure of security systems was scattered and it was difficult to monitor all the devices centrally from their Head Office leading to security loopholes which if left unaddressed could lead to major security breach.

The biggest road block for implementing centralized control of the devices was that the solutions available in the market required them to invest in both Network Video Recorders (NVR) and Video Management Software (VMS) which was turning out to be expensive.

Further, all the systems installed were at least 8 years old and most of the components were outdated. Integrating them with the latest Network Video recorders was difficult. This meant that they would have to replace the existing devices with the latest, further adding to the total cost.

To keep a record of who had access to the premises and at what time it was essential to have a robust time-Attendance system for the organization.

- **Industry:** BFSI
- **Customer Name:** Cash Management Solutions Company
- **Location:** Riyadh, Kingdom of Saudi Arabia
- **Products:**

  Video Surveillance System
  - **Matrix SATATYA NVR25608XCTS: 01 Nos.**
    256 Channel Enterprise Range Server Grade NVR with 4K Support and 8HDD Slots
  - **Matrix SATATYA NVR03208XCTS: 02 Nos.**
    32 Channel Enterprise Range Server Grade NVR with 4K Support and 8HDD Slots

  Access Control and Time-Attendance
  - **COSEC Panel 200: 03 Nos**
    Site Controller
  - **COSEC ARC DC200P: 35 Nos**
    Door Controller
  - **COSEC ATOM RD100M: 68 Nos**
    Smart Readers
  - **COSEC ARC IO800: 25 Nos**
    Input Output Controller
  - **COSEC VEGA CAX with Mifare CPM: 01 Nos**
    Door Controller
  - **COSEC CENTRA PLT License Dongle: 01 Nos**
    Application Server Platform
  - **COSEC PLT100: 01 Nos**
    Application Server Platform for 100 Users
  - **COSEC ACM100: 01 Nos**
    Access Control Solution Module
  - **COSEC TAM100: 100 Nos**
    Time-Attendance Solution Module

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SOLUTION:

Matrix experts helped the company build a robust security infrastructure with the help of Matrix Access Control and Video Surveillance solutions to give them a better coverage of the premises and access points.
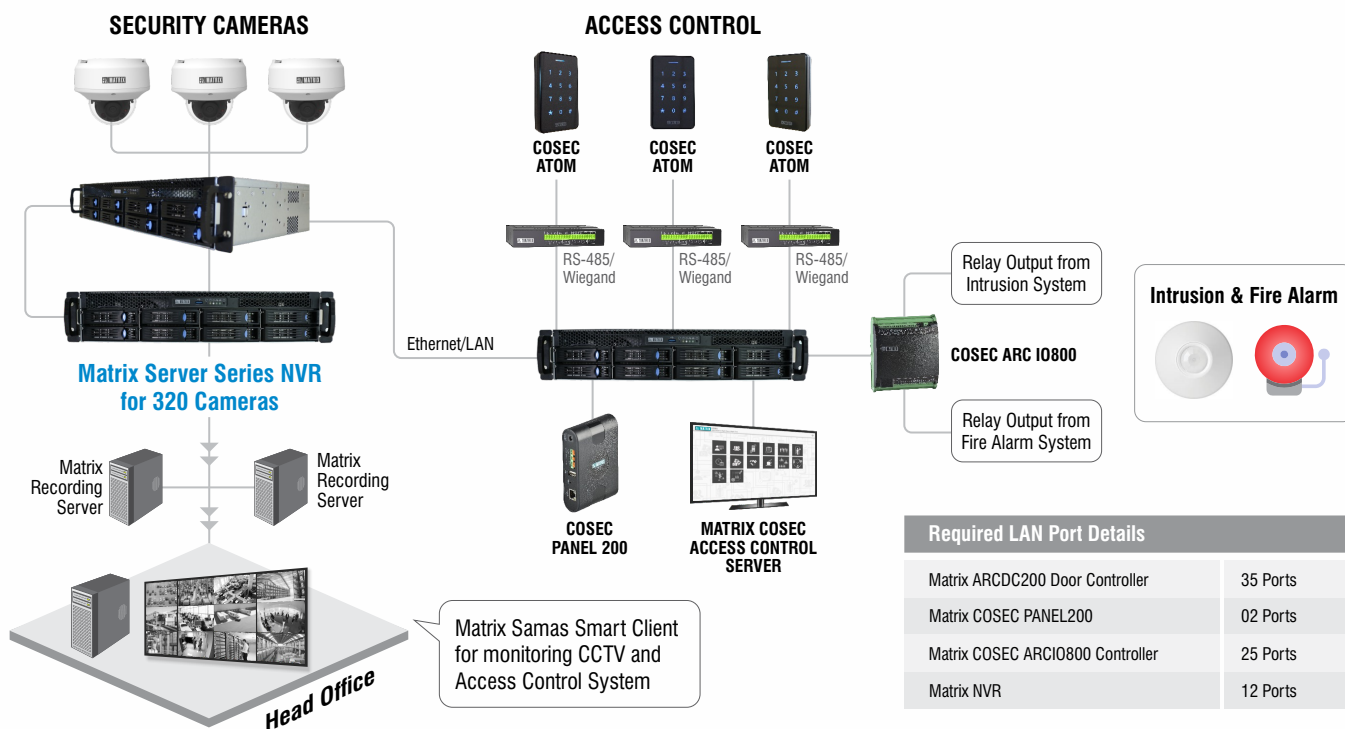
To integrate all the security systems, instead of investing separately in Video Management Software and servers a cost effective solution of installing Matrix SATATYA Enterprise Network Video Recorder (ENVR) was suggested. It has an inbuilt Video Management Software with required licences and permissions thereby serving the purpose of both NVR and VMS.

Matrix ENVRs can integrate seamlessly with full range of Matrix IP Cameras and Devices, third party devices and ONVIF conformant cameras. The company was able to integrate all its old and new peripheral security devices into the Enterprise NVR thereby, enabling the organization to manage all its security devices without having to invest in replacing the old, outdated system.

The comprehensive systems allowed seamless integration between Access Control and CCTV cameras with a single monitoring application. They were now able to record every entry and exit happening on their premises. Additionally, with the integration of the systems they able to detect and get timely notifications when events like intrusion, movement, tripwire, fire were detected with video POP-UP alerts in case of exceptions.

Robust security system of any organization is largely dependent on controlling who has access to the premises and keeping a watch on the occurrences of the events happening within the premises. Access Control features clubbed with Video Surveillance ensures that the premise is completely secure. It is also possible to use advanced access control features like mantrap, 2-person rule and first-in rule.

Time-Attendance Solution from Matrix allowed them to generate accurate monthly attendance reports of employees.

SECURITY CAMERAS

ACCESS CONTROL

COSEC ATOM

COSEC ATOM

COSEC ATOM

RS-485/ Wiegand

RS-485/ Wiegand

RS-485/ Wiegand

Relay Output from Intrusion System

Intrusion & Fire Alarm

COSEC ARC IO800

Relay Output from Fire Alarm System

Ethernet/LAN

Matrix Server Series NVR for 320 Cameras

Matrix Recording Server

Matrix Recording Server

COSEC PANEL 200

MATRIX COSEC ACCESS CONTROL SERVER

Matrix Samas Smart Client for monitoring CCTV and Access Control System

Head Office

Required LAN Port Details	
Matrix ARCDC200 Door Controller	35 Ports
Matrix COSEC PANEL200	02 Ports
Matrix COSEC ARCIO800 Controller	25 Ports
Matrix NVR	12 Ports

RESULTS:

With the integrated CCTV and Access control solution, the client doesn't have to opt for a different application to monitor the system. With features like video POP-Ups and email notifications they are updated in real-time in case of any exceptions this aids in faster response time.

The company is happy with the enterprise video surveillance solution provided by Matrix as it is user-friendly and gives them centralized control over all their devices.

ABOUT MATRIX

Established in 1991, Matrix is a leader in providing Security and Telecom solutions for business organizations of all sizes and industries. As an innovative, technology-driven, and customer-focused organization, Matrix is committed to keeping pace with the revolutions in Video Surveillance, Access Control, Time-Attendance, and Telecom applications.

With around 40% of its human resources dedicated to research and developing new technologies and products, Matrix is a truly Make-in-India company. All Matrix products are entirely researched, designed, and manufactured in India.

Matrix's Video Surveillance portfolio covers end-to-end solutions including Video Management Systems, Network Video Recorders, and Network Cameras. Likewise, Matrix's People Mobility portfolio includes Access Control, Time-Attendance, Visitor Management, Elevator Access Control, Panels, Controllers, and Readers. Matrix offers Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints in the telecom domain.

All Matrix products are feature-rich, reliable, and conform to national and international standards such as CE, FCC, BIS, TEC, UL, and many more. With exports to 50+ countries, Matrix has won the trust of 1 million+ customers.

Matrix has ISO 27001: 2013, 20000-1 2018, 14001- 2015, 9001: 2015 certifications for quality management standards. We have also been awarded ZED Quality Certification, and DSIR Certification for indigenous R&D and Manufacturing to name a few.

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