# Enhancing Security and Operational Efficiency with Integrated Face Recognition based Access Control at a Premium Sports Club

## Case Study

## Overview

- **Application:**
  - Face Recognition based Access Control Integration, Membership Management
- **Users:** 17,000
- **Industry:** Media & Entertainment
- **Credential:** Face
- **Deployment:** On-Premise
- **Location:** East Africa

## Company Profile:

A prominent sports club offering exclusive services and facilities, known for its premium membership structure, the organization caters to a diverse clientele ranging from business executives to corporate professionals and more. To maintain its high standards, the organization continuously seeks to enhance its security measures and operational efficiency, ensuring a seamless experience for its members.

## Overview:

Faced with security challenges and operational inefficiencies, the organization sought an advanced solution that could integrate its physical access control with its existing membership management software, with a preference for face recognition based access control. The goal was to automate access based on subscription status, streamline the organization's processes, and improve the overall member experience. Matrix came up with a solution that would centralize member management, automate access control, and offer real-time insights.

## Challenges:

The client wanted a comprehensive time-attendance management system to address the following challenges:

- **Security Concerns**
  The organization experienced increasing concerns over unauthorized access and the potential for security breaches. Ensuring that only valid members could access the facilities was a key priority. Importance was given to the provision of face recognition based access control.

- **Operational Inefficiencies**
  The finance department faced the challenge of manually sifting through member records to verify subscription statuses. This process was prone to errors, creating bottlenecks and delaying operational tasks.

- **Improving Member Experience**
  The organization sought to improve the overall experience of its members by making facility access seamless and efficient. Delays caused by manual verification of subscription statuses detracted from the member experience.

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## Solution:

Matrix implemented a comprehensive face recognition based access control system seamlessly integrated with the organization's membership management software. The solution offered:

- **Centralized Management**
  All member data, including access privileges and subscription status, was stored and managed in a single platform. This allowed the organization to centrally control member access, ensuring real-time updates.
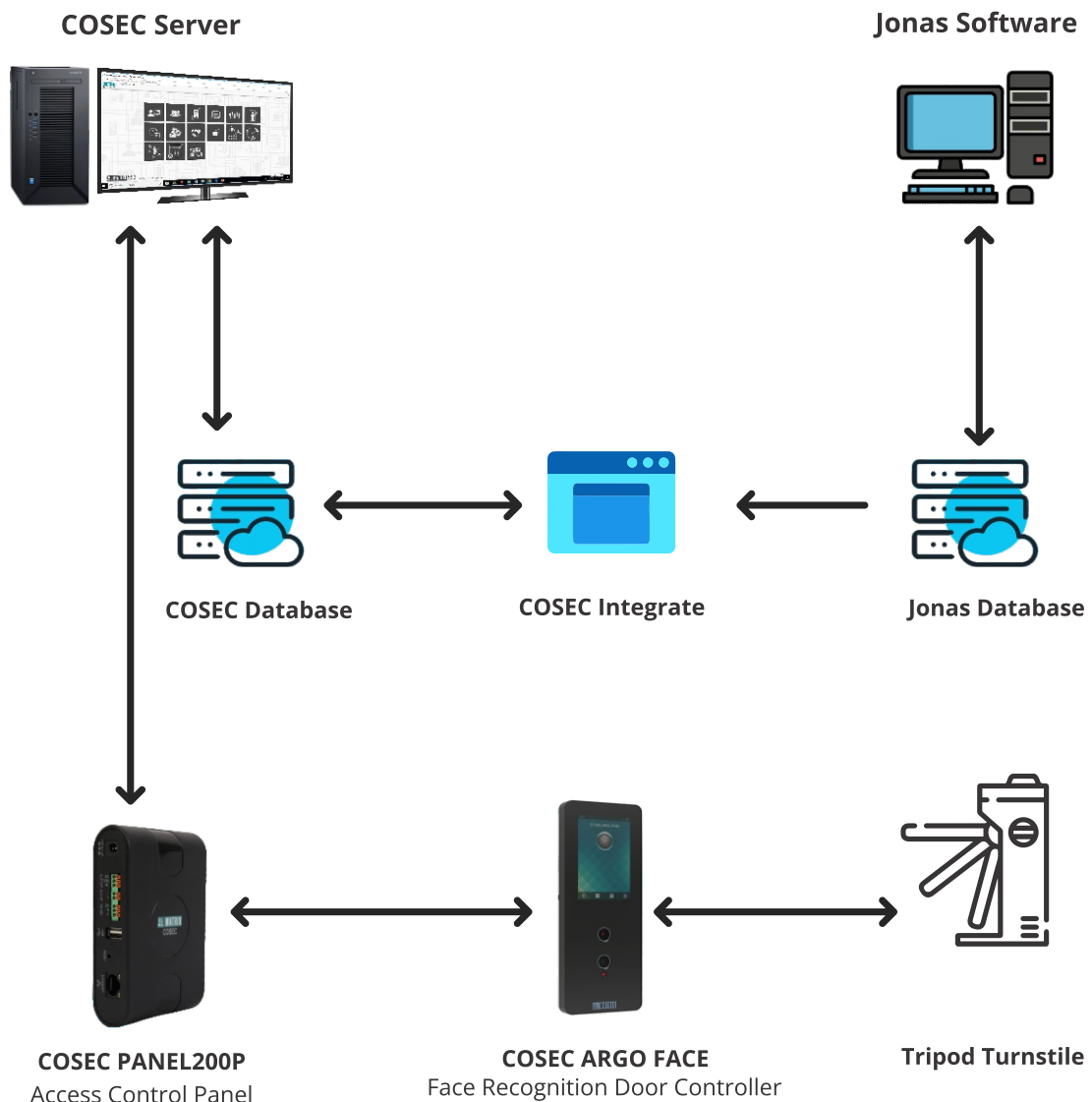
- **Automated Access Control**
  The face recognition based access control system automatically verified members' subscription statuses and granted access only to valid members. This eliminated the need for manual verification, enhancing operational efficiency.

- **Real-Time Monitoring and Reporting**
  With real-time monitoring, staff could track access activities and address unauthorized attempts instantly. Detailed reports on member access patterns were generated to support decision-making and operational planning.

## Application Scenario:



**COSEC Server**

**Jonas Software**

**COSEC Database**

**COSEC Integrate**

**Jonas Database**

**COSEC PANEL200P**
Access Control Panel

**COSEC ARGO FACE**
Face Recognition Door Controller

**Tripod Turnstile**

## Results

- **Enhanced Security**
- The organization significantly improved security by preventing unauthorized access and reducing the risk of breaches using high-speed face recognition based access control. The automated system reassured members of the organization's commitment to their safety.

- **Streamlined Operations**
- The finance department's operations became more efficient, with automation eliminating the need for manual verification. Staff could now manage subscriptions and access control with improved accuracy and speed.

- **Improved Member Experience** : Members enjoyed a more seamless experience, with access to facilities being automatic and instantaneous. This improved overall satisfaction and engagement with the organization.

- **Valuable Data Insights:** The system provided valuable data and analytics on member behavior, allowing the organization to make data-driven decisions to further optimize its services and facilities.

## Products Offered

| Products Offered | Description |
|---|---|
| COSEC ARGO FACE | Face Recognition Based Access Control System with EM Proximity Card Support |
| COSEC PANEL200P | Access Controller Hub |
| COSEC PLATFORM | Platform License for Software |
| COSEC PLT | Platform License for 17,000 Users |
| COSEC FR | Face Recognition License for 17,000 Users |
| COSEC ACM | Access Control License for 17,000 Users |

## 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.*