



Transforming Attendance Management for a world-renowned Premier Luxury Resort with Matrix Face Recognition Time Attendance System

Case Study

Overview

- **Application:**
 - Face Recognition Time Attendance System
- **Industry:** Hospitality
- **Credential:** Face and Bluetooth®
- **Deployment:** On-Premise
- **Location:** Dubai, UAE

Company Profile:

A premier luxury resort located on a man-made island, offering world-class accommodations, dining, and entertainment experiences. Renowned for its lavish amenities and impeccable service, the resort attracts guests from around the globe seeking an unforgettable stay in a stunning setting.

Overview:

The client faced several challenges related to managing time and attendance across various locations within the resort. The absence of a centralized attendance solution, coupled with less accurate palm geometry systems, made it difficult to track employee attendance effectively. Additionally, the need for seamless integration with their existing HRMS and payroll systems required a sophisticated solution that could handle numerous database integrations.

Challenges:

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

- **Various Brands at Different Locations**
Managing attendance across multiple locations with different brands required a unified system that could centralize data and provide cohesive management.
- **No Centralized Attendance Solution**
The lack of a centralized attendance solution made it difficult to monitor and manage employee attendance accurately and efficiently.
- **Lower Identification Speed with Palm as Credential**
The identification speed of the existing palm vein devices was on the slower side. This led to congestion of human traffic across various device points. Furthermore, it led to discrepancies in attendance records.
- **Numerous Database Integration with HRMS**
Integrating attendance data with the existing HRMS was complex with attendance systems from different vendors, thereby leading to the need for multiple database integrations.
- **Integration with Payroll**
Seamlessly integrating attendance data with the payroll system was essential to ensure accurate and timely salary processing.

Solution:

Matrix delivered a robust and comprehensive face recognition time attendance system to resolve the client's challenges through the following solutions:

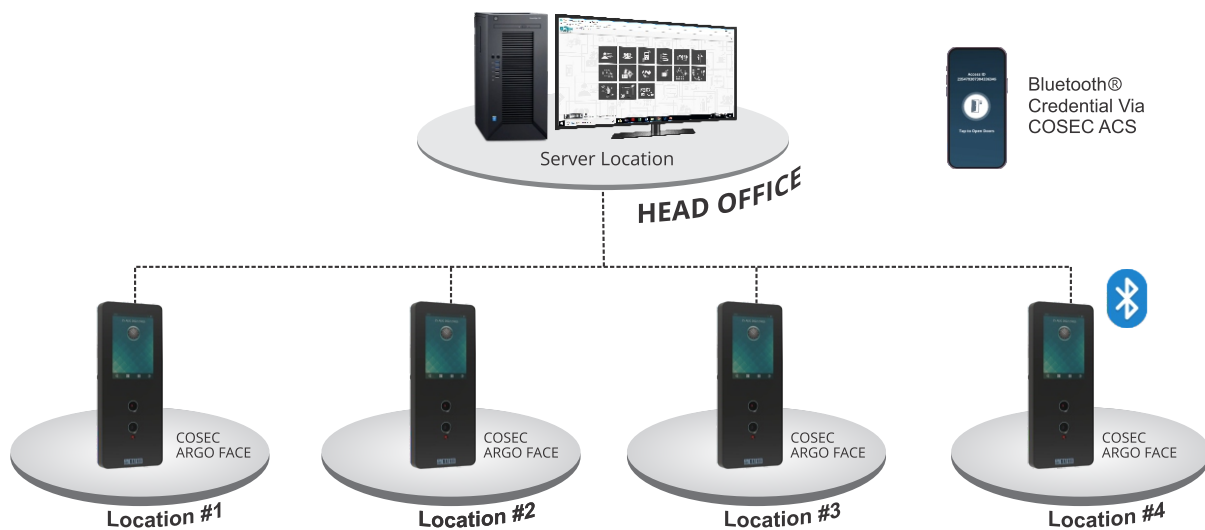
- **Centralized Time Attendance Management**
 - Matrix installed its on-premise solution - COSEC CENTRA for managing punch events across various locations on the site. Matrix face recognition device - COSEC ARGO FACE was fixed across entry points and connected to the system. This allowed for a cohesive and unified approach to attendance event tracking.
- **Seamless Integration with Third-party HRMS & Payroll**

With attendance event generation made feasible, Matrix enabled database-level integration for the client. This helped them to seamlessly integrate with their existing HRMS. Furthermore, this ensured that attendance data was accurately captured and reflected in payroll processing.
- **Higher identification Speed with Face Recognition**

Matrix's solution included an advanced face recognition time attendance system, significantly improving the speed as well as the accuracy of attendance tracking. The use of COSEC ARGO FACE ensured high-speed face recognition of less than 0.5 Secs and provided reliable and precise attendance records.
- **Contactless Solution using Face & Bluetooth®**

The implementation of Matrix contactless solutions using face recognition and Bluetooth® Low Energy (BLE) technology through its mobile app - COSEC ACS enhanced the user experience. This not only ensured hygiene and safety but also facilitated quick and efficient attendance marking.

Application Scenario:



Results

Matrix successfully addressed the client's challenges by providing a centralized, accurate, and seamless face recognition time attendance system. The results included:

- **Centralized Time Attendance Management:** Enhanced control and monitoring of attendance across various locations.
- **Seamless Integration with HRMS & Payroll:** Streamlined processes and improved accuracy in HRMS integration and payroll processing.
- **Higher Identification Speed with Face Recognition:** Reliable attendance records with an advanced face recognition time attendance system.
- **Contactless Solution using Face & BLE:** Improved user experience and ensured hygiene and safety with contactless attendance marking.

Products Offered

Products Offered	Description
COSEC ARGO FACEM	Face-based Door Controller with MiFare Card Support
COSEC CENTRA PLT1000	Platform License for 1000 Users
COSEC CENTRA Fr1000	Face Recognition License for 1000 Users

This case study demonstrates how Matrix's face recognition time attendance system effectively addressed and resolved the client's challenges, ensuring efficient and accurate management of employee attendance across multiple locations.

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.

For further information, please contact:



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