



Almabani Opts Matrix Solutions for Centralized Access Control and Attendance Tracking

Case Study

COMPANY PROFILE:

Almabani General Contractors has a long robust history which began when the founders established the company in Jeddah, Saudi Arabia in October of 1972. They are a family-owned company that remains true to its founders' spirit, covenants, innovation and perseverance.

For four and a half decades, they have been building up their expertise to serve an ever more demanding and challenging construction need in the region.

In a prosperous economy fuelled by the oil boom, the company was positioned to participate in the execution of some of the most prestigious landmark projects in the Kingdom of Saudi Arabia. They have the highest classification in all civil and electrical works with in-house capabilities to develop design and value engineer solutions to cater to the customers' needs. They have proudly executed projects from complex infrastructure works to heavy civil engineering structures.

Today they are engaged in highly competitive turnkey projects worth several Billion Dollars. To this end, Almabani continues to invest in quality, value engineering, proactive and talented people, endeavoring at all times to satisfy their customer's expectations and to best serve the welfare of our society.

- Industry: **Construction**
- Customer Name: **Almabani**
- Users: **1500+**
- Devices: **48 Time-Attendance and Access Control Devices**
- Location: **12 Across Jeddah, Khobar, Riyadh & Lebanon**

CHALLENGES:

Almabani General Contractors was using traditional decentralized access control & time-attendance systems in which they were facing the issue of excessive manual work and inaccurate data. Because of the poor quality of the existing biometric sensors, user fingerprints weren't recognized in the 1st attempt and the process was annoying and time-consuming. As the company is dealing with construction work, one of the major challenges for construction workers is accurate attendance marking despite dirty/stained fingers. Moreover, due to existing software limitations, many policies of access control and time-attendance couldn't be implemented. As the existing system was decentralized, on-field employees faced issues while marking their attendance. Only basic reports could be prepared for attendance and access whereas they needed more customized reports because of various shifts and different contract workers. Moreover, third party integration was not possible in the earlier system. And last but not the least, they were unsatisfied with support from the past supplier.

RESULT:

- Accuracy in Attendance Management
- Centralized Time-Attendance and Access Control Management
- High Possibility of Third-party Integration
- User-friendly and Fast Process because of Good Quality Sensor
- OEM Support
- Contactless and Advanced Technology
- Flexibility in Terms of Integration, Connectivity and Credentials

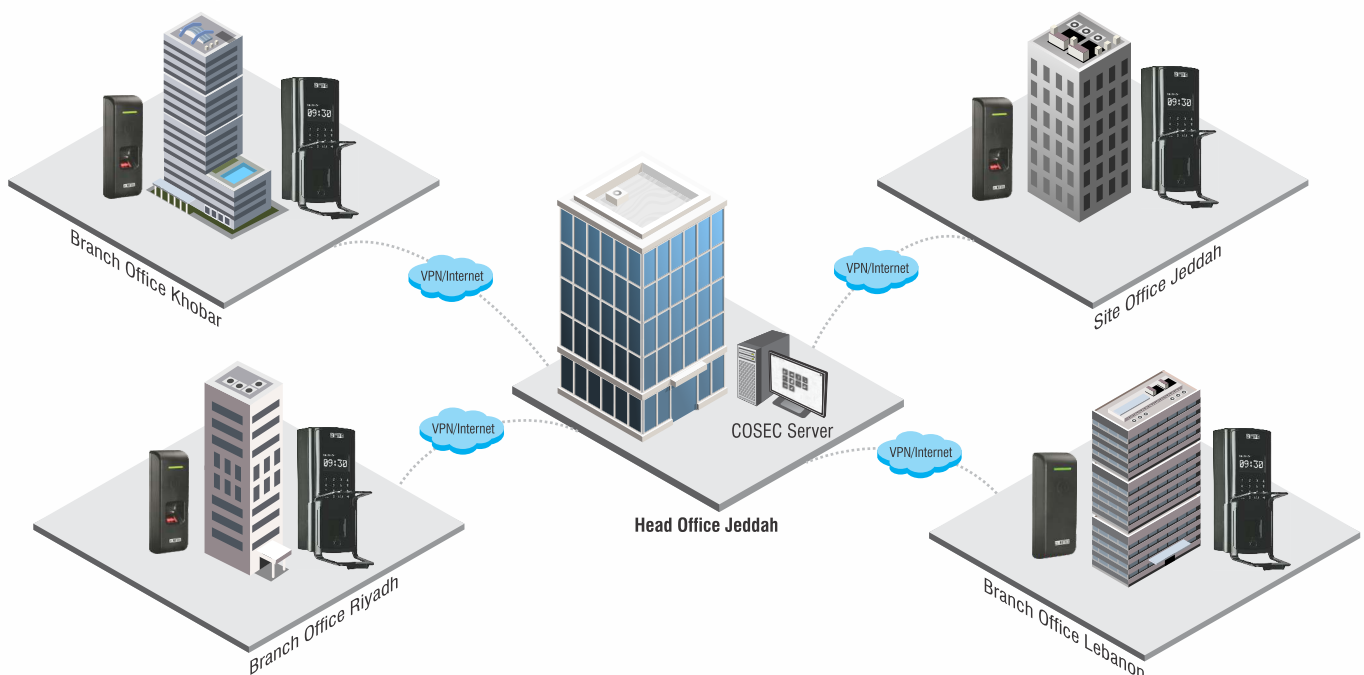
SOLUTION:

Matrix solutions experts collaborated with the decision heads to understand the exact requirement and provide a cost-effective solution. After a comprehensive discussion, Matrix offered a centralized solution for all the locations. With the Matrix Time-Attendance and Access Control solution, the customer has overcome all the challenges. Now, it's possible for them to get control of all the locations from a single central location. To overcome the problem of inaccurate attendance marking due to dirty/stained fingers, Matrix provided the multispectral fingerprint sensor technology which contains information about both the surface and the subsurface features of the skin. This technology gives a high throughput. They also acquired Palm Vein Reader for contactless authentication verification for the higher authorities. The solution from Matrix is fully customized with multiple shifts and attendance policies that can be applied to individual users. Smart mobile application for attendance marking, and leave applications make the work easy for users. Now, the customer is able to get the report of each employee with 200 different options. With the auto-push technology, there is no need to transfer the data into the server. The data are automatically transferred to the server in real-time. The customer also got flexibility in terms of connectivity with 3G and WiFi options. The system from Matrix also provided the flexibility for easy integration with the third-party payroll system.

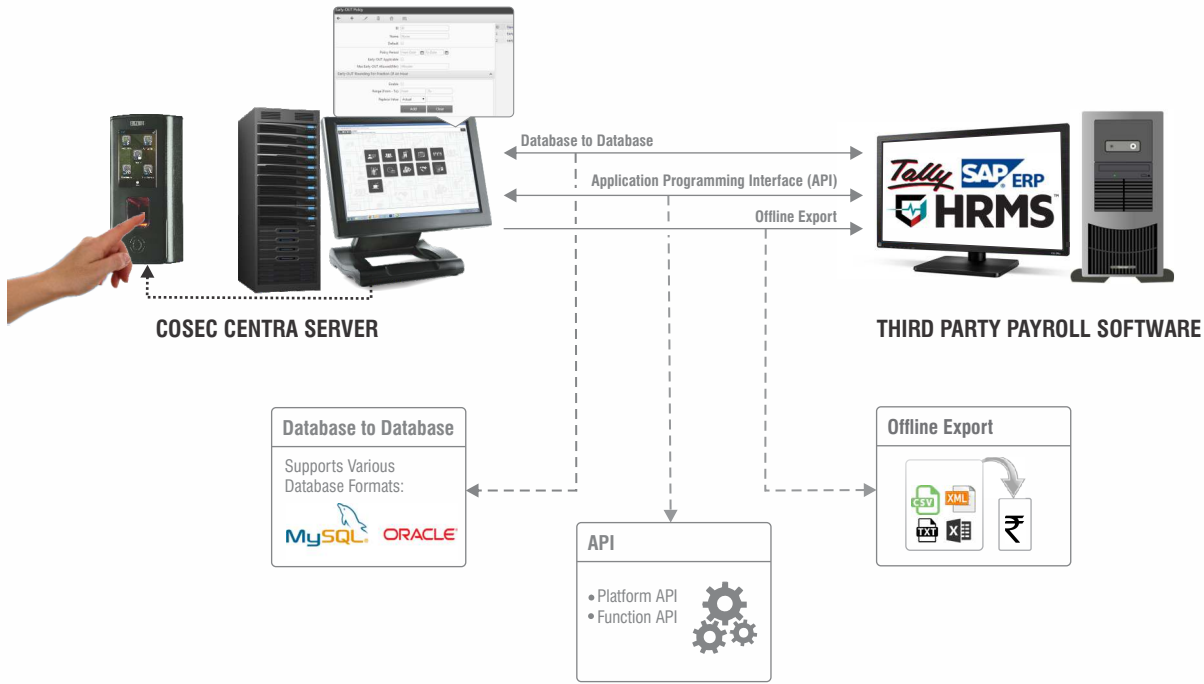
PRODUCTS OFFERED:

- **COSEC DOOR PVR** - Palm Vein based Door Controller
- **COSEC PATH DCFE** - Biometric Fingerprint + RFID based Door Controller
- **COSEC PATH DCCE** - RFID based Door Controller
- **COSEC PANEL LITE** - Site Controller for Advanced Access Control Features
- **COSEC LE PLATFORM** - For 1500+ Users
- **COSEC LE TAM** - Time-Attendance Application Module
- **COSEC LE ACM** - Access Control Module
- **COSEC LE ESS** - Employees Self Service Module (Mobile App)
- **COSEC INTEGRATION** - Integration with In-house Payroll Software

SOLUTION DIAGRAM:



Integration with Third-party Payroll Software:

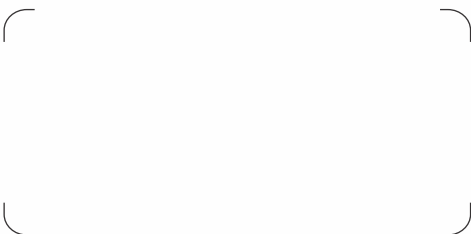


ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern businesses and enterprises. As an innovative, 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 System, Network Video Recorder 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 2,500 channel partners, Matrix ensures that the products serve the needs of its customers faster and longer. Matrix has gained trust and admiration of customers representing the entire spectrum of industries. Matrix has won many international awards for its innovative products.



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