



CUSTOMER HIGHLIGHTS

- *Site Area: 4.38 square Kilometers*
- *Combined floor area for theme districts: 222,000 square meters*
- *Expected visits: 25 million*
- *Number of Participants: 190 countries*
- *Event Duration: 6 Months*

REQUIREMENTS

- Time attendance solution for employees and contractor labors
- Access control and visitor management solution at different locations in the site office
- Integrated surveillance system and vehicle access management
- Integration with Expo 2020 Portal

EXPO 2020 is a World Expo to be held in Dubai in October 2020. The event is organized in collaboration with The Bureau International des Expositions (BIE), Paris. Expo 2020 is a global platform for the participating countries to showcase their cultures, ideas and innovations, while expanding their professional network.

PROBLEM STATEMENT

Mentioned below were the primary challenges being faced at EXPO 2020 site office:

1. Managing and monitoring access of employees and contractual workforce at the site office
2. Managing attendance of employees/contractor laborers
3. Integration with Surveillance system
4. Managing vehicle access control of visitor/employee vehicles entering the premises
5. Integration with ANPR
6. Enrollment of visitors and managing visitor profile.

SOLUTION

IDCUBE's Access360 delivers an integrated solution for time attendance, access control and visitor management at the site office of Expo 2020. The architecture consists of a central server that hosts Access360 server application, enabling transfer of employee/contractor/visitor profile details from Expo2020 portal to Access360 database.

Integration with third party CCTV System (Dahua) caters to the video surveillance needs at the site. Access360's SecurityView module serves as an interface for monitoring alarms and corresponding CCTV footage. For example, in case door held alarm is generated at a particular

APPLICATIONS/PRODUCTS

- IDCUBE Access360 modules- HRVIEW, Smart Issuance, SecurityView , EzVisit
- HID Access Control Panels
- Biometric Devices- Suprema Face Station
- Dahua CCTV System integration
- Candid ANPR System integration

entrance, SecurityView allows the administrator to check the area for possible breaches and ensure the safety of the facility.

Access360 has also been integrated with ANPR system (Candid) in order to monitor the vehicles entering the premises. The white list of vehicles is shared with the ANPR system, which then allows the authorized vehicles to enter after verification. Employee/contractual staffs' card issuance and printing are done via Access360's Smart Issuance module.

Facial recognition readers by Suprema are used for capturing the attendance of employees/contractual workforce. The Suprema readers directly interface with Access360 server to record attendance logs, which is further shared with the EXPO portal, for payroll processing. Similarly, for entering a protected zone, employees/staffs flash their smart cards at a designated reader. On verification, the door is unlocked. HRVIEW web portal further allows the administrator to generate attendance and access reports.

RESULT

- Access360's web service architecture and integration capabilities allowed various identification technologies (such as Facial recognition, Smart Cards, ANPR, CCTV) from world renowned manufacturers to converge and deliver an intuitive Physical identity and access management solution to Expo2020 management.
- Access360 platform has simplified the process of monitoring access and attendance of employees, contractual staffs and visitors at the site office of expo2020.
- Implementation of biometric technology especially facial recognition leaves no scope for proxy attendance and enhances security at the premises.
- Integration with customer portal reduces the scope of errors and ensures fast data processing.

SYSTEM ARCHITECTURE

