Integrated Video and Physical Access Management at Piramal Agastya Business Park

Vertical: Real Estate
Date: March 2016

REQUIREMENTS:

- A multitenant and scalable access control solution for offices and visitors of the business park
- Protecting against data loss and ensuring business continuity
- Vehicle access management solution for tenant's and visitor's vehicles entering the premise
- Video surveillance system
- Visitor management solution

Piramal Group is a well known global business conglomerate established in the early 1980s. Its contribution to various industries such as Real Estate, Pharma, Financial Services, and Healthcare is noteworthy. Agastya Business Park by Piramal Group is a state-of-the-art corporate park, built across a 16- acre landscape, in Mumbai's business district Kurla.

PROBLEM STATEMENT

- Piramal Agastya Business Park required a scalable security solution to accommodate the growing number of offices and strengthen on-premise security. Due to a large number of *tenants* in the business park, they needed a multi-tenant access control platform, with features ensuring data security.
- The business park required a *visitor management solution* for handling a large number of daily visitors along with a *video management system* for monitoring and managing the heavy footfall.
- They were also in need of a vehicle management system to monitor and manage employee and visitor vehicles entering the premise.
- The system should ensure business continuity by avoiding functional disruptions due to technical failures.

SOLUTION

IDUBE provided Access360 – Physical Access Management and Aperture – Video Management Solution, implemented over a high availability (HA) server cluster to provide failover redundancy and real-time data replication. In case of any component failure on the production server, the failover server takes over, ensuring smooth business operations.

Employee Access Control

The Access360's HRView web-server allows you to define various business entities of a business park on a common platform. Each tenant gets a personalized web interface with complete information confidentiality from other tenants. The tenants enroll employees through HRView web interface

IDCUBE

APPLICATION/ PRODUCTS:

- Access360 Platform (HRView, ezVISIT, Aperture, Vehicle Access Management)
- Boom Barrier
- Turnstiles
- Biometric Devices (Card + Finger print reader)

and may assign them access rights to common areas as well as tenant's respective private zones.

Visitor Access Control
Employees can generate visitor request through the ezVisit web application or mobile apps. The Access360 server dynamically generates a visitor pass and delivers to the visitor. Upon arrival, the visitor flashes the visitor pass at the designated reader for identification and gaining access to the facility. For walk-in visitors, the ezVisit lobby application is used to generate visitor passes.

Vehicle Access Management
The tenant's web interface is used to register vehicles and issuance of RFID tags. The user pastes the tags on their vehicle windshield. When an authorized vehicle enters the read range of IDCUBE's long-range readers, the tag ID is verified. On verification, the boom barrier opens, allowing the vehicle to enter.

Video Surveillance System
Access360's Aperture video management system caters to entire video surveillance needs of the Piramal Agastya Business Park. The Aperture recording server stores the CCTV video live streams. Data availability is taken care of by inbuilt failover mechanism.

RESULT

- IDCUBE's Access360 provided a logically segregated though integrated access control and time attendance management platform for all the companies working in the business park, without the risk of a data breach.
- IDCUBE provided a shared server for both CCTV and Access Control solutions. The shared server resulted in a significant cost advantage for Piramal Group.
- High availability clustering ensured business continuity as well as prevents data loss.
- Aperture video management system allows uninterrupted data recording & viewing, even on network disconnection. The edge recorded data automatically transfers to the server as soon as the network connection re-establishes with the camera.

SYSTEM ARCHITECTURE