

Cosmos Bank Tower Pune, India

Overview

Vertical

Commercial

Site build

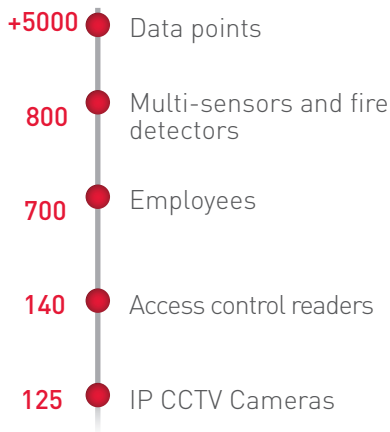
New Building

Site size

274,000ft²

The Cosmos Co-operative Bank Ltd. (Cosmos Bank), established in 1906, is one of the oldest Urban Co-operative Banks in India. It is one of the first co-operative banks in the country to implement Core Banking System (CBS) across the entire network of its 140 service outlets. It also received permanent authorized dealer (AD) license from the Reserve Bank of India. In addition, Cosmos Bank is the first bank in co-operative sector to be granted permission to operate a Currency Chest.

The currency chest is the pride of Cosmos Bank. It is the first co-operative bank in India to be granted permission from the Reserve Bank of India to open a one.



The Challenge

Energy management of a highly secure smart building was not going to be easy.

The Cosmos Bank headquarter building consists of a branch, currency chest and data center, which made security a main concern for the clients. Pedestrian and vehicle flow patterns were studied so that the proposed system would ensure an easy flow of traffic along with minimal disruption to employee and customer comfort.

The location of the bank added to the challenge Bajaj Electricals faced.

Cosmos bank is located in the heart of Pune on University Road. Since Pune is known as "The Oxford of India", it attracts thousands of people daily, making its location a high threat zone.

Installed systems had to be scalable, forward and backwards compatible while having the flexibility to integrate with third party products.

Vivotek IP CCTV cameras, Milestone video management software, HID controllers, Ingersoll Rand palm readers, a Securiton fire detection along with an Aspiration detection system for early smoke detection in the data center, an alarm system, and Novec gas suppression systems were just a few of the low voltage systems that the BMS required to integrate.

Partner Information



Bajaj Electricals Limited (BEL), a 75 year "young" trusted Indian company, is part of the US \$7 billion "Bajaj Group". Bajaj Electricals Limited has six strategic business units – Appliances, Fans, Morphy Richards, Luminaires, Lighting and EPC Segment.

Visit: <http://bajajelectricals.com/>

Engineering and design consultant



▶ Cosmos Bank
Tower
Pune,
India

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Bajaj Electricals is a very supportive and understanding team, and has great knowledge and expertise in the field of life safety, security, and energy management. The systems installed are simple, scalable, and open source so that as a customer, we have choices as we grow. We are happy to have Bajaj Electricals as a partner and look forward to a long term association.

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Mr. Jayesh Maldikar
Chief Manager
Estate Management Cell



The Solution

A detailed project plan had to be developed, tracked and updated on a weekly basis to ensure compliance to the scope defined in the risk mitigation plan. By using the Delta Controls product line, Bajaj was able to integrate all third-party products. Third-party systems included HVAC (chillers, pumps, AHU's, VFD's, and ventilation), and electrical (UPS, DG, and energy meters) systems. The data centre was equipped with precision AC's, gas suppression systems and hydrogen sensors. Energy analytics and dashboards were provided as well. The system also included the following:

- Building and energy management system
- IP CCTV surveillance system
- Access control systems with smart cards and palm readers
- Fire detection and alarm systems with evacuation
- Novec gas suppression system
- Aspiration smoke detection system
- Hydrogen sensors for battery rooms

enteliWEB

- Web-based BMS management software

Kaizen

- Interactive lobby energy dashboard

DSM - RTR

- BACnet system integration router

DSC - 1616

- Ethernet enabled high-speed system controller

The Benefits

Using enteliWEB meant that the facilities staff at Cosmos bank can monitor lighting, HVAC, fire, security, and CCTV systems all through one interface. The use of an open protocol means that Cosmos is not tied down to a single vendor or service provider. The BMS uses BACnet standards, is BTL listed, and the CCTV's are OnVif compliant. Certain applications were created to ensure that critical alarms from the BMS and video management system are displayed on the mobile phones of key facilities personnel. This feature allows them to respond faster to any internal threat that may occur.

The Results

The systems installed met the security standards of the client, while being scalable, backwards compatible and platform independent. The employees and customers feel increasingly secure after the new installation. Using energy dashboards means that not only are facilities staff aware of the energy savings, but the knowledge is also shared with the building occupants. The energy reporting feature of enteliWEB is saving the facilities team time in their daily routine, by giving them a single, easy-to-use platform to generate reports for the different systems throughout the building.



To learn more about Delta Controls:

Contact us now at **1-604-574-9444**

Alternatively, visit our website at www.deltacontrols.com.

