

# Impetus Center, Dhaka, Bangladesh

## Elevator Control Case Study



### Project Description

Impetus Center is a new business building at the heart of the Dhaka city that is the upcoming commercial zone of Tejgaon. The location of Impetus Center is actually at the nook of the corner of the Gulshah Avenue, a prior spot for prosperous business venture. It does have all the advantages of commercial area but relieving regarding heavy traffic. There is a saying that price is what you pay, value is what you get. This has been meant highly for Impetus Center, they foresee the governing commercial zone in the capital, create the perfect office for business, make use of all modern techniques, materials, best brains and offer the best risk free financial Deal.

### Project Requirements

Being one of the most known real-estate developers, they need to make sure all the residents and visitors are secure while they stay in **Impetus Center**.

#### Elevator Control for Multiple Floors

For security reason, to secure that the safety and privacy of all staffs and visitors are not threatened, a reliable authentication method which prevents illegal and improper access including elevators must be deployed, and only they should be permitted to have the access of the floor they work or visit. However, it would be difficult to manually monitor all access and elevators to effectively prevent illegal access. Thus, a system that is able to provide access control and elevator control with users' customized access rights is important.

#### Reliable Access Control System

The site is daily accessed by as a large number of people. For security reason, to secure that the safety and privacy of the sites are not threatened, a reliable authentication method which prevents illegal and improper access must be deployed. Conventional verification methods including password and card could hardly verify the authenticity of the password or card holders' identities. Thus it requires a biometric verification method with unique authentication of a person's identity.

**End User:** Impetus Center, Dhaka, Bangladesh

## Configurations

System	Device Name	Device model	Unit
Access Control	Elevator Control	EC10	5
	Biometric Reader	FR1500	3

## Function Description

Designing specifically for elevator control, the EC10 panel provide customers with the most secured, scalable, versatile and affordable access control solutions available today. Floor access can be restricted based on various user credentials, including fingerprint, proximity card and/or password. Pre-defined time schedules can also be used to control floor access. During normal visits/business hours, unrestricted floor access can also be permitted (aka Passage mode).

The EC10 Elevator Control Panel can restrict access up to ten floors. The EX16 Elevator Floor Extension Board restricts access up to an additional sixteen floors. Each EC10 can support up to three EX16 boards. When combining together, a total fifty eight (58) floors can be controlled with a single EC10 bundle.

Note EC10 panels can be daisy-chained together to control as many floors as desired. Our powerful yet easy to use software makes the Elevator Control System very easy to manage. SDK is available for software companies which desire to integrate with the system.

FR1500 is a Flush-Mounted RS-485 Fingerprint Reader which come with Single gang Standard junction box installation; Flush-Mounted Design for neat installation; RS-485 Communication Interface; SilkID Fingerprint Sensor and Support Live Finger Detecting; Stainless Steel Front casing; Optional Fingerprint Protective Cover.

