



Integrated Solution for Entrance Control and Elevator Control for Indonesia Stock Exchange in Jakarta, Indonesia



Industry
Indonesia Stock Exchange

Location
Jakarta, Indonesia

Solution
Integrated Solution for Entrance Control and Elevator Control

Client

Anyone who has work experience at office must have been in a long queue for taking a lift, especially in a composite building with various offices on different floors. Indonesia Stock Exchange (IDX), a stock exchange based in Jakarta, Indonesia, sees one of the fastest membership growth in Asia in recent years with 750 listed companies.

Requirement

The Stock Exchange has a building with approximately 1,000 employees and numerous daily visitors also up to 1,000. Thus during the peak hours of work, the building and the lifts face a heavy traffic flow of passengers and normally resulting in long queue. Upon getting into the lift after a long queue, passengers still need to press the buttons of their desired floors in a crowded space, which is very countable to the cause of the long queue and long waiting time. An efficient system for better traffic of lifts is necessary.

Solution



The Stock Exchange already has an effective entrance control system with flap barriers for RFID card access. Employees and visitors swipe their staff cards or visitor access cards over the readers on the barriers for access to the lift lobby. There is also an existing elevator control – Destination Control System (DCS) by KONE, which is an effective system that saves energy by calling the nearest lift to the designated floor.

Bringing the best cost effectiveness to the clients is always prioritized on top to ZKTeco. Instead of replacing the entire entrance control and elevator control with ZKTeco's which are unnecessary, ZKTeco decided to capitalize on those system to enhance the efficiency to solve the long queue for lifts every day.

ZKTeco deployed 24 units of InBio Pro Series access controllers to connect both the entrance control system and the DCS. Here below are the workflow:

- A.** Staffs of the Stock Exchange swipe their staff cards stored with personal information and the floors their workplaces are on for access through the entrance.
- B.** Visitors without staff cards will receive their temporary visitor cards upon simple and quick registration. The reception staffs no longer need to manually fill in information of the visitors for card issuing, as the reception counter is equipped with Desko's Optical Character Recognition (OCR) system, which enables ultimately reading of identity documents including driving license, passports, national IDs and social welfare cards etc. of over 180 countries and regions for quick temporary visitor card issuing.
- C.** Once the access is granted, the access information will be instantly delivered through the ZKTeco InBio Pro access controllers to ZKBioCVSecurity access control management software.
- D.** The Elevator Control module in ZKBioCVSecurity enables recognition of the users' authority to the accessible floor, and delivers the related information to the DCS. The floors to stop will then be automatically selected. Also, the display monitor will display the corresponding lift number to show which lift the passengers should take. No more button pressing is needed.

Configurations

System	Device Name	Device Model	Device Quantity
Access Control	Access Controller	InBio Pro	24
	Access Control Management Software	ZKBioCVSecurity	

