

Case Study Danareksa Tower, Luxury Office with a Touch of Five-Star Hotel in Language

Industry

Danareksa Tower

Location

Menara Danareksa, Jakarta

Solution

Access Control

Project Site: Menara Danareksa, Jakarta

The construction of the Danareksa Tower by PT Pembangunan Perumahan (PT PP) located in the premium area of Medan Merdeka Selatan makes the Danareksa Tower superior in location. As well as having special personal access to 22 floors, each of which is equipped with advanced technology. It is well known for its different architecture and elegant interior design.

Menara Danareksa is a Grade A Office Tower equipped with a spacious meeting place and modern and complete facilities and facilities. Danareksa Tower has been certified Gold Green Building, through CO2 emission reduction, and Low Emissivity is energy efficient, including AC High-Efficiency VRV (Variable Refrigerant Volume).

Project Requirements

A high-end commercial premise as Menara Danareksa is, the client is highly concerned of the safety and the prevention of any security loophole. Here below are the requirements.

A. Effective Entrance Control

The premise is a major commercial office building with numerous access for work daily, thus it requires an effective entrance control system in the main entrance & exit of the building to ensure smooth traffic during the peak hours. Also, in order to ensure safety, it is required to have efficient verification to prevent any irrelevant and illegal access to the building.

B. Visitor Management

Apart from employees, there are also visitors entering the building for different purposes. Our client thus required an effective identity authentication of the visitors while not causing major inconvenience to them due to complex registration and time consumption.

C. Elevator Control

One commonly seen congestion of commute is the long queue waiting for the elevators for access to different level of building. Our client expected an efficient system to well manage and ensure smooth traffic of the elevators.

End User: Menara Danareksa, Jakarta

Solution Details

ZKTeco deployed an entrance control system consisting of 10 units of SBTL7000 and 10 units of SBTL7200 swing barriers to form a multi-channel entrance & exit of the building to significantly increase the capacity of access and exit during the peak hours of work.

All employees accessing the building are registered with their personal information which are stored in their staff cards for verification. In order to access through the main entrance, they are required to swipe their staff cards upon the readers installed on the SBTL swing barrier for identity authentication. Upon successful authentication they are allowed access.

For visitors not having their personal information registered in any cards, ZKTeco provided RS100 optical character recognition reader for the system. Instead of manually filling in forms, visitors are only required to have their identity documents scanned by the RS100 OCR readers, their personal information will be instantly and automatically read and registered, then temporary cards will be issued to the visitors for access to the building.

ZKTeco also deployed an elevator control system with 2 units of EC10 and 4 units of EC16 elevator controllers for elevator control.

The above devices are all connected to the 33 units of InBio Pro 260 access controllers are then centrally managed by ZKBioSecurity integrated security management platform software. As the software covers a wide variety of functions, it effectively manages both entrance control, visitor management and elevator control.

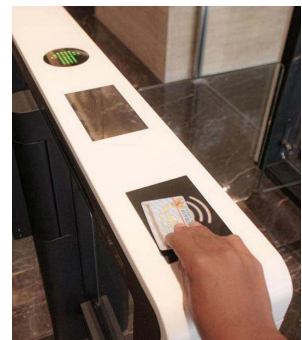
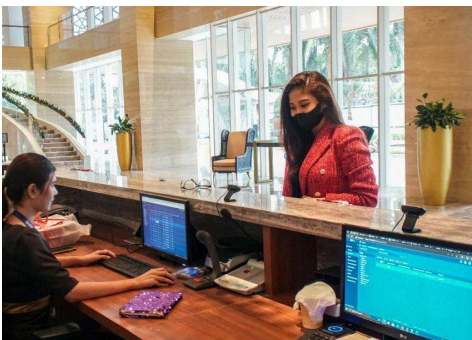
All staff cards and visitor cards' information are stored in the database of ZKBioSecurity, with the specific designated floors the persons are entitled for access. After accessing through the main entrance, floors will be automatically selected by the elevator controllers depending on the cards' rights to prevent unnecessary access to other floors.

Configurations

System	Type	Type	PCS
Access Control	Access Controller	In Bio Pro 260	33
Entrance Control	Swing Barrier	SBTL 7000	10
		SBTL 7200	10
Elevator Control	Elevator Controller	EC10	2
		EX16	4
Scanner	OCR Scanner	RS100	2
Software	Access Control Software	ZKBIOSECURITY	
	VMS Management	ZKBIOSECURITY	
	Elevator Control	ZKBIOSECURITY	

Functional Description

- The SBTL series is a series single-lane swinging barrier turnstile designed for quiet, longer operation and draws very little force. Made of stainless steel which makes SBTL Series very durable.
- The SBTL series is usually stored in a position-locked state, thus denying access to the secured side, once the SBTL (RFID and/or fingerprint) reader positively recognizes the user's valid access card or fingerprint, its barrier swings automatically, thus allowing the user to log in to the secure side.
- InBio Pro Series IP-Based Biometric Access Control Panel The InBio Pro Series is a high-end, project-oriented product line with unique features such as embedded fingerprint verification and advanced access control functions, which can be managed by TCP/IP communication over a LAN or WAN network.
- ZKTeco, EC10 and EX16 elevator controllers are elevator controllers that provide customers with the most secure, scalable, versatile and affordable access control solutions. Access to different floors may be restricted based on various user credentials, including fingerprints, proximity cards and/or passwords. A predetermined time schedule can also be used to control floor access. During normal visits/working hours, unrestricted floor access may also be allowed.
- ZKBioSecurity is the best "All in One" web-based security platform developed by ZKTeco. It contains several integrated modules: access control, attendance time, elevator control (online/offline), hotel module, visitor management, parking, guard patrol and video linkage. With an optimized system architecture designed for a high level of biometric identification and a modern user-friendly UI, ZKBioSecurity provides the most advanced solution for an entirely new user experience.



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