

Access Control Solution of Siam Patumwan House in Thailand

Industry

Real estate

Location

Bangkok, Thailand

Solution

Access Control

About Client

Siam Patumwan House is a premium Grade A office building situated in the bustling Siam area of Bangkok, conveniently located near the BTS National Stadium. This 33-floor project is designed to meet the highest standards of modern business environments, offering advanced facilities and a secure operational framework. To ensure the safety and convenience of tenants and visitors, the building employs the robust ZKTeco Visitor Management System and Access Control technologies.

Requirement

The implementation of an effective access control solution for Siam Patumwan House was driven by several key requirements:

Comprehensive Access Control

Manage access to over a hundred doors, including regular access points and emergency exits, ensuring security while allowing for easy evacuation in case of emergencies.

Visitor Management

Enable efficient management of visitors through a streamlined check-in process, allowing for pre-registration and self-service options.

Integration with Existing Elevator Control System

Enhance security and efficiency by integrating access control with the Hitachi Elevator Destination Control System, ensuring that only authorized personnel can access specific floors.

Modern Access Technologies

Implement advanced technologies such as QR code scanning and facial recognition for both tenants and visitors to improve convenience and security.

Solution

The access control solution implemented at Siam Patumwan House is a comprehensive system that leverages multiple technologies to meet its security and operational goals:

Access Control Management

inBio 160 Pro controllers were deployed to manage access to standard doors and monitor fire escape routes across the building. This allows for centralized management of over a hundred access points, ensuring comprehensive security.

Turnstile Integration

SmartAC1 [QR/MF] devices were installed at turnstile gates and near elevator entrances, enabling secure and efficient access control. This includes QR code scanning functionalities for visitors and mobile authentication for tenants.

Elevator Integration

The security system integrates seamlessly with the Hitachi Elevator Destination Control System. This ensures that only authorized individuals can call and access specific floors, enhancing security while optimizing elevator traffic.

Visitor Management

The solution features a pre-registration system for visitors, allowing them to check in via a simplified self-service process. Upon arrival, guests can scan their QR codes to open gates and gain access, streamlining visitor flow.

Access Control

Face-scan and card scan technologies were implemented to provide multiple layers of access security for tenants. This dual-faceted approach enhances security and convenience, allowing quick, contactless entry.

Configuration

System	Type	Model
Access Control	Facescan Devices	Smart AC1[QR]
		Rots-02 Package
	Controller	inBio 160 Pro
	OCR	RS100
	Encoder	CR20M
	Cameras Web Cam	UV100
	Printer	ZKP8001
	Kiosk	FaceKiosk-H13C
	Media Advertise Screen	ZK-DS43W

