



Schindler's Built-In API

Spark API-led innovations for buildings



Designed for seamless integration

Empowers building advancements

Schindler's Built-In API (Application Programming Interface) guarantees full compatibility and seamless integration of third-party systems and applications with Schindler Transit Management System.

The agile, powerful API enables building management to effectively analyse data and handle daily operations, from biometric access control to robotics applications and real-time passenger tracking, while offering tenants and visitors a unique, secure and smooth transit experience.

System at a glance

Consolidated operations. The Built-In API provides building owners and managers with a single, consolidated platform where they can conveniently and efficiently manage building access systems, security applications and Schindler's transit management system.

First-class security. Communications between the Built-In API and third-party systems are secured and encrypted in a local area network with Secure Sockets Layer (SSL) and login authentication. API are sent over HTTPS and encryption between server and client are flexible to adopt different security requirement of SSLv3.0 / TLSv1.3.

High level interface. By using a standard protocol (REST API), our high-level interface allows effortless programming in a common web-based environment, as well as the integration of new systems by leveraging existing server components without any interference with overall operations.

High availability. The redundant Built-In API architecture offers high availability while operating with third-party systems, the local network and power infrastructure. In addition, a firewall system protects authorised applications, with 1:1 redundancy of network, database and system controller to cater the aspect of fault-tolerance, warranty on service provided and data integrity.

Cloud-based developer portal

Expedite on-site implementation

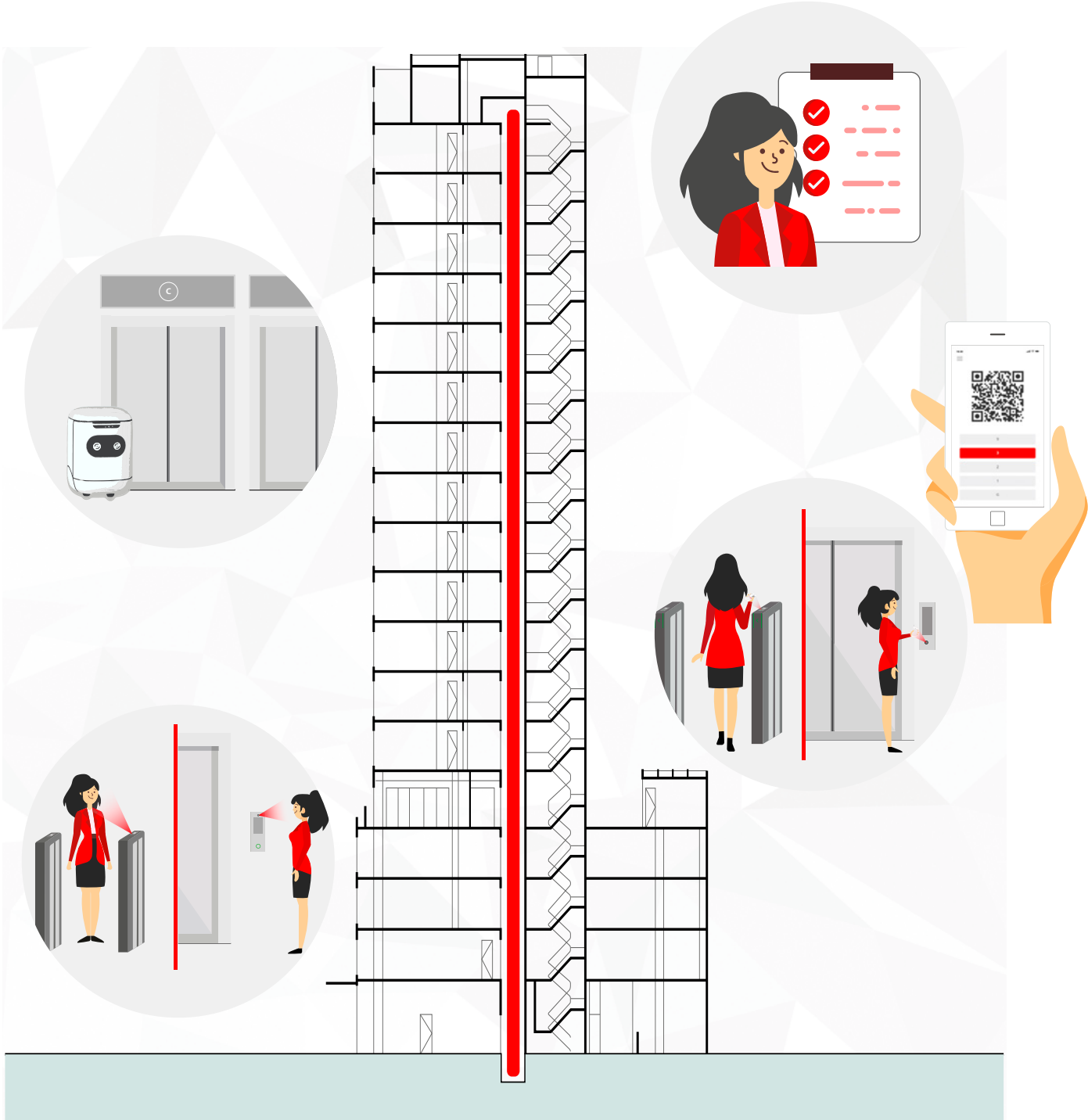
Comprehensive technical evaluation and due diligence are key to facilitating and expediting on-site implementation. Our cloud-based developer portal allows customer-designated developers to run unlimited round of simulations from the early design stage using Schindler's lift systems anytime, anywhere.

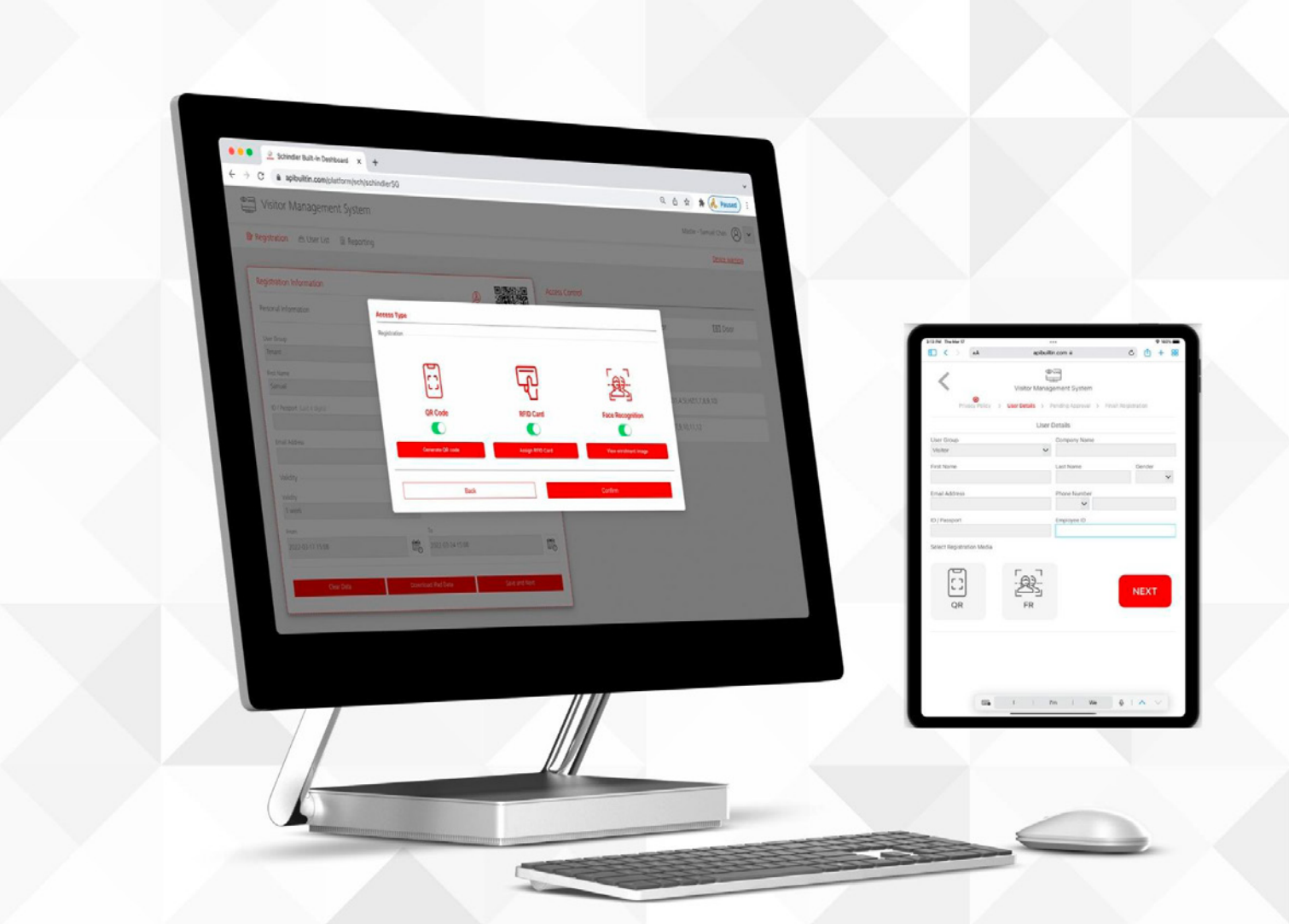


High-level interface

Effortless programming architecture

Applications integrated through Built-In API can compile, encrypt, and send data to the building's local server. The server then retrieves the data, interprets it, and forwards it to Schindler Transit Management System to take necessary actions, such as assigning an elevator to a passenger or a robot. The entire process takes place nearly instantaneously, without friction.





Meeting integration needs

A choice of APIs for multiple purposes

Customised support

Finding the right API solution

Database API

Synchronise access database
To avoid duplicating user registration processes across different access control systems, Database API, a plug-and-play interface, helps synchronise and consolidate multiple access control databases into one. The API thus enables building operators to create, edit, or delete any user access profile on an integrated data management platform.

Full API

Advanced technology integrations
Full API is an all-purpose interface that empowers technology integration within a building in the most scalable manner. The API enables effective communication between Schindler Transit Management System and third-party applications to support integrated functions such as elevator remote calls, facial recognition, QR access, and palm vein access.

VMS API

Comprehensive passenger report
With VMS (Visitor Management System) API, building management can generate accurate and comprehensive passenger reports, including access records from Schindler Transit Management System, on the building's own visitor management system.

We're ready to support any new and customised integration. Share your data needs with us, and we will introduce the most suitable Built-In API solution for your building.

Matching your integration needs

	Database API	VMS API	Full API
Passenger data for synchronisation			
User ID / Name / Company	X	X	X
User's preferred or authorised floor number	X	X	X
Basic elevator data for live passenger record reporting			
Individual access method		X	X
Individual access validity		X	X
Passenger's boarding and destination time		X	X
Passenger's entry and exit time		X	X
Advanced elevator data for access system			
Assigned car position & status			X

We are always close by.

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We Elevate



Schindler