



## 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

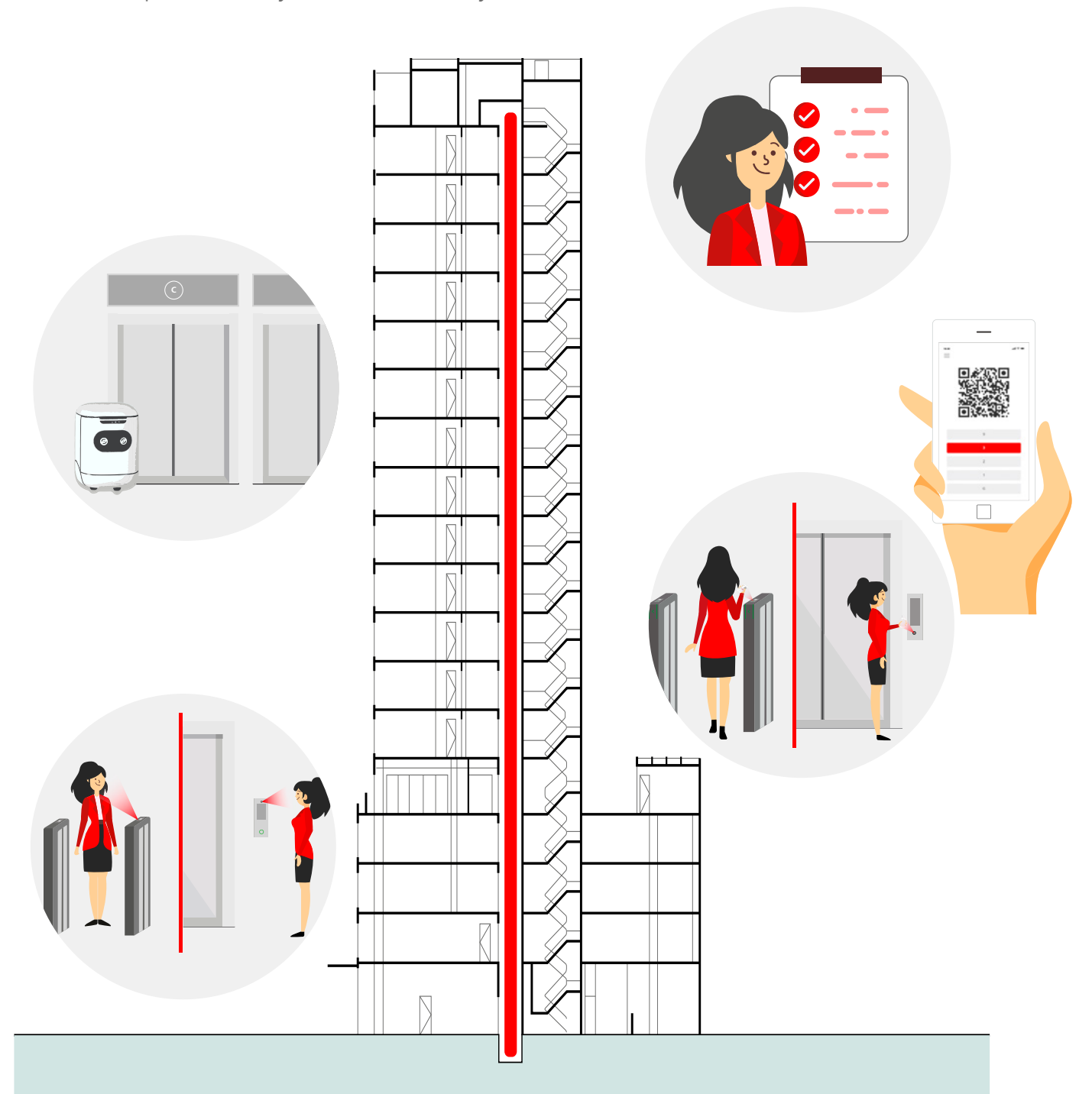
Comprehensive technical evaluation and due diligence are key to facilitating and expediting on-site implementation. Our cloud-based developer portal allows customer-designated developers to run unlimited round of simulations from the early design stage using Schindler's lift systems anytime, anywhere.



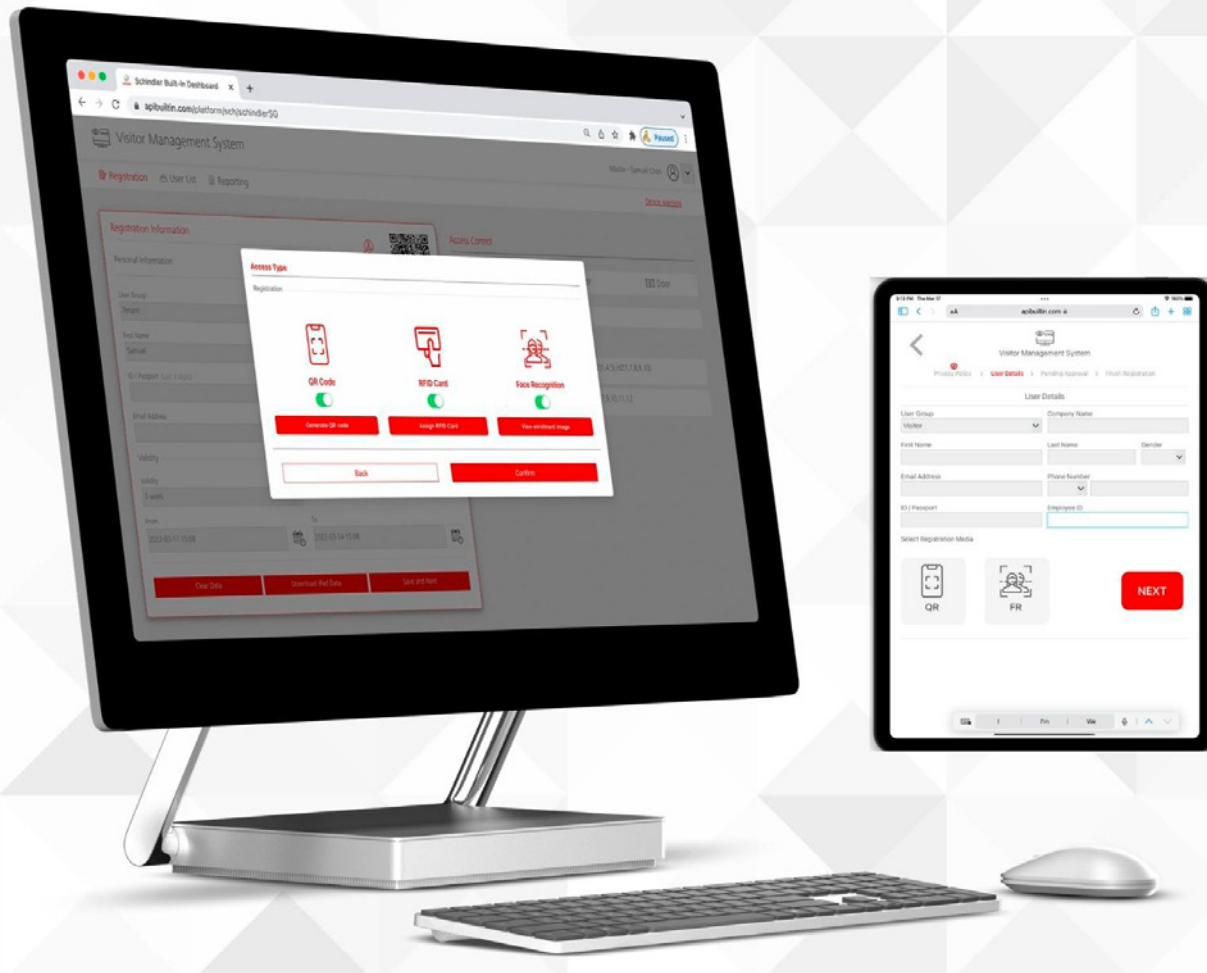
# High-level interface

## 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

#### 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.

## Customised support

### Finding the right API solution

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
<b>Passenger data for synchronisation</b>			
User ID / Name / Company	X	X	X
User's preferred or authorised floor number	X	X	X
<b>Basic elevator data for live passenger record reporting</b>			
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
<b>Advanced elevator data for access system</b>			
Assigned car position & status			X

# We are always close by.

Please contact one of the following addresses:

## **Brunei**

Schindler Liftec Sdn. Bhd.  
Level 7 (6th Flr), Setia Kenangan Complex  
Kg Kiulap Gadong BE1518, Bandar Seri Begawan  
Brunei Darussalam  
Telephone + 673 2 236 515  
+ 673 2 236 516  
Fax + 673 2 236 470  
info-bn@schindler.com

## **Cambodia**

Jardine Schindler (Cambodia) Ltd.  
Unit 706 and 707, 7th Floor, Exchange Square Building  
Nos. 19-20 Street 106, Village 2  
Sangkat Wat Phnom, Khan Daun Penh  
Phnom Penh City  
Kingdom of Cambodia  
Telephone + 855 23 901 288  
info@kh.schindler.com

## **Hong Kong**

Schindler Lifts (Hong Kong) Ltd.  
29th Floor, Devon House, Taikoo Place  
979 King's Road, Quarry Bay  
Hong Kong  
Telephone + 852 2516 8168  
Fax + 852 2516 6026  
info@hk.schindler.com

## **Indonesia**

P.T. Berca Schindler Lifts  
Jl. Puri Lingkar Luar, Blok P  
Puri Indah, Jakarta Barat 11610  
Indonesia  
Telephone + 62 21 8066 8222  
Fax + 62 21 2258 4521  
info@id.schindler.com  
Website www.schindler.co.id

## **Macau**

Jardine Schindler Lifts (Macao) Ltd.  
No. 398, Alameda Dr. Carlos, D Assumpcao Edificio CNAC  
9-andar-G & H, Macau  
Telephone + 853 2875 7953  
Fax + 853 2883 7264  
info@hk.schindler.com

## **Malaysia**

Antah Schindler Sdn Bhd (3837-H)  
8th Floor, Bangunan TH Uptown 3  
No. 3 Jalan SS 21/39, Damansara Uptown  
47400 Petaling Jaya, Selangor D Ehsan  
Malaysia  
Telephone + 60 3 7725 1818  
Fax + 60 3 7725 1181  
info.my@schindler.com  
Website www.schindler.my

## **Myanmar**

Myanmar Jardine Schindler Ltd.  
No 1/4, Parami Road, Hlaing Township  
Yangon, Myanmar  
Telephone + 95 1 654 855  
+ 95 1 654 356  
Fax + 95 1 654 854

## **Philippines**

Jardine Schindler Elevator Corporation  
20/F Tower 1, Insular Life Corporate Centre  
Insular Life Drive, Filinvest Corporate City  
Alabang 1781 Muntinlupa City, Philippines  
Telephone + 63 2 8683 6800  
Fax + 63 3 8802 3138  
info\_mkt.ph@schindler.com  
Website www.schindler.ph

## **Singapore**

Schindler Lifts (Singapore) Pte. Ltd.  
1 Kaki Bukit View No. #03-18/26, Techview  
Singapore 415941  
Telephone + 65 6854 7888  
Fax + 65 6846 2212  
info.sg@schindler.com  
Website www.schindler.sg

## **Taiwan**

Jardine Schindler Lifts Ltd.  
9th Floor, 35 Kwang Fu South Road  
Taipei 105, Taiwan, R.O.C.  
Telephone + 886 2 2528 6626  
Fax + 886 2 2528 6656  
info@tw.schindler.com  
Website www.schindler.tw

## **Thailand**

Jardine Schindler (Thai) Ltd.  
20th Floor, Times Square Building, 246 Sukhumvit Road  
Klongtoey, Bangkok 10110, Thailand  
Telephone + 66 2 685 1600  
Fax + 66 2 685 1601  
info.th@schindler.com  
Website www.schindler.co.th

## **Vietnam**

Schindler Vietnam Ltd.  
8th Floor, President Place, 93 Nguyen Du Street  
Ben Nghe Ward, District 1, Ho Chi Minh City, Vietnam  
Telephone + 84 28 3521 4890  
Fax + 84 28 3821 3382  
care.vn@schindler.com  
Website www.schindler.vn

Or visit our website:

[www.jardineschindler.com](http://www.jardineschindler.com)

This publication is for general informational purposes only and we reserve the right at any time to alter the services, product design and specifications. No statement contained in this publication shall be construed as a warranty or condition, expressed or implied, as to any service or product, its specifications, its fitness for any particular purpose, merchantability, quality or shall be interpreted as a term or condition of any service or purchase agreement for the products or services contained in this publication. Minor differences between printed and actual colors may exist.

**We Elevate**



**Schindler**