Intelligent Building Technologies
Powered by Schindler's BuilT-In

Jardine Schindler

Schindler

Integrate. Optimise. Enhance

Schindler's BuilT-In, a state-of-the-art Building Transit Integrator specially designed to meet all of a modern-day buildings' present and future needs.

BuilT-In sits at the core of a building's mobility system to streamline operations and information flows across multiple applications, from facial recognition to security access systems and robot services.

BuilT-In Robot Service Connection
Automate tasks

A futuristic experience

Service robots, a marvel to behold, can transform a building's dynamics. They are highly adaptable to new environments thanks to advanced localisation technologies that create a local map of a building and compute routes that are optimal.

BuilT-In provides integration with robotics applications, so that robots can easily navigate busy building environments, place elevator calls to their destination floors, and request elevator status information.

Benefits at a glance

Real time tracking
With BuilT-In Robot Service Connection, building management can track a robot's location and status in real time, and swiftly respond whenever required.

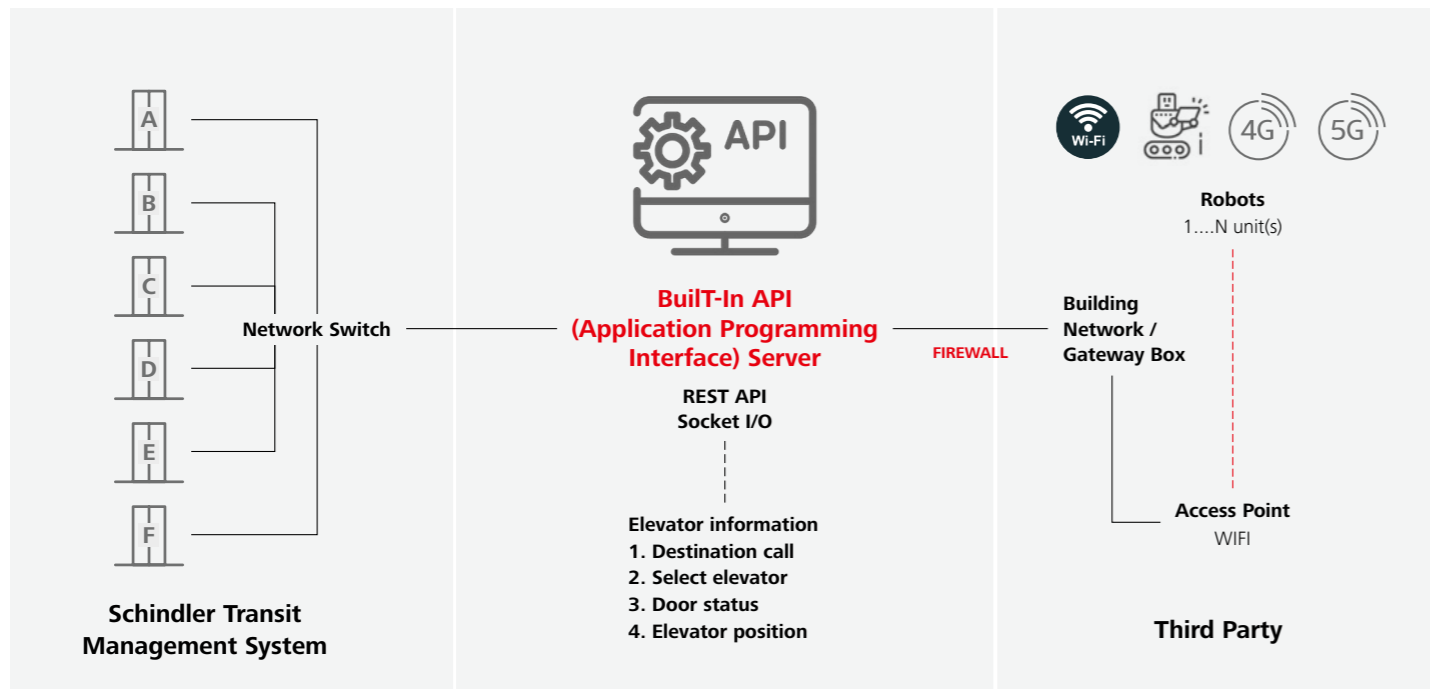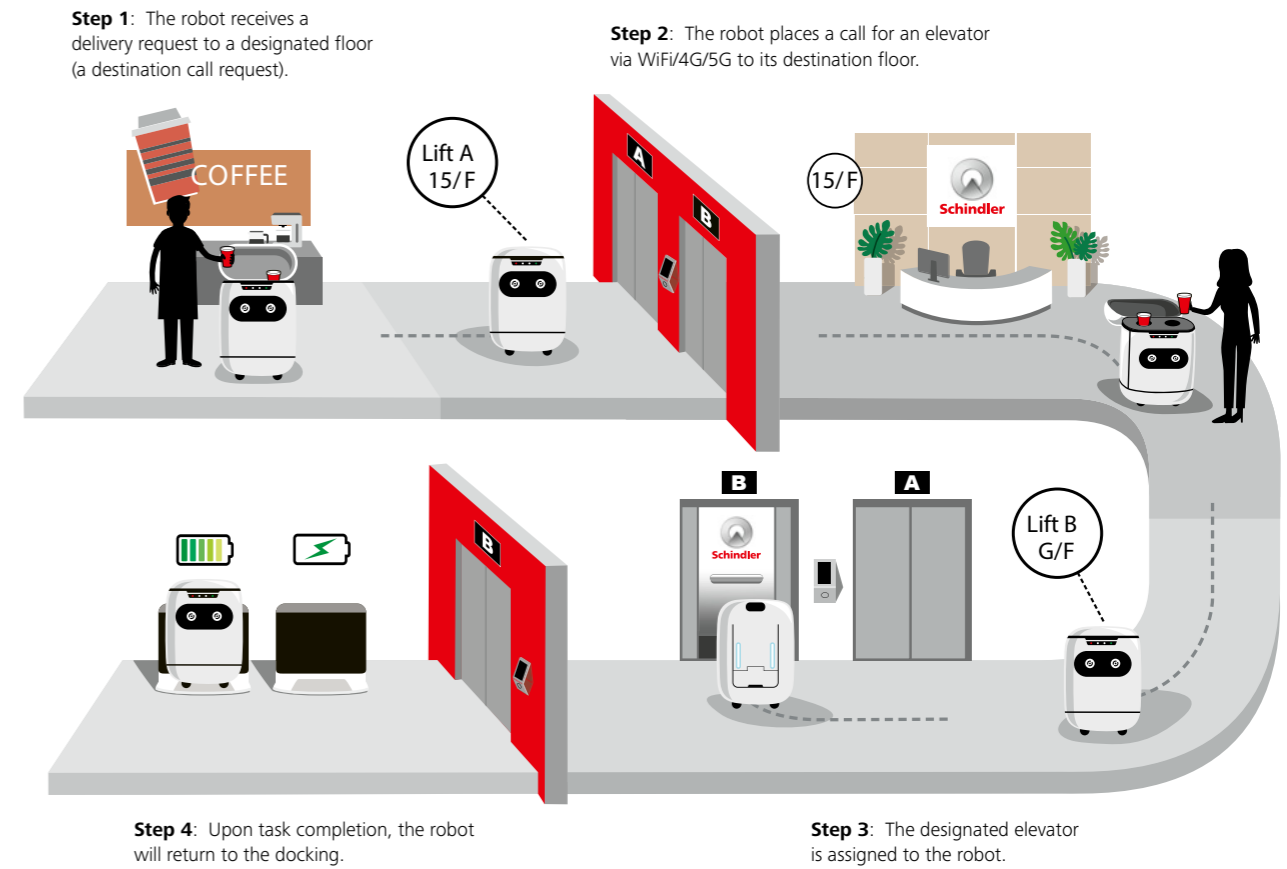**Mitigate risks ahead of deployment**
BuilT-In provides a cloud-based development environment for robotics applications to simulate various scenarios and minimise uncertainties ahead of deployment, for instance to verify that the communications and connection status between elevators and robots are not interrupted.

Seamless links between robots and elevators
The BuilT-In API (Application Programming Interface) creates a communication link between robots and elevators by connecting the elevators' network switch with the local building network or gateway box via WIFI, 4G or 5G, so that robots can effortlessly transit between floors.

The vertical journey of robots

On their way up or down, robots will transmit a destination call to a dedicated or dynamic elevator(s) and enquire about the elevator's position and door status. Upon completion of its task, the robot will automatically return to the docking station and wait for its next order.

Step 1: The robot receives a delivery request to a designated floor (a destination call request).

Step 2: The robot places a call for an elevator via WiFi/4G/5G to its destination floor.

Step 3: The designated elevator is assigned to the robot.

Step 4: Upon task completion, the robot will return to the docking.

Note: Robot's specifications and options are subject to change. All illustrations in this brochure are representative only. The samples shown may vary from the actual product.

BuilT-In API
A seamless integration that offers building management peace of mind

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 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.

High availability

The redundant BuilT-In API architecture offers high availability to cater the aspect of fault-tolerance, warranty on service provided and data integrity.

Fast project deployment

To facilitate and expedite on-site implementation, Schindler provides a cloud-based API development environment to simulate and optimise third-party system integration.

Accommodating future innovations

By using a standard protocol (Restful API), the BuilT-In API 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.

Surveillance

System database integration

Mobile app

QR code system

Palm vein

BuilT-In API

Infotainment display

Robot service connection

Visitor management system

Facial recognition system

Self-kiosk

Crowd sensing

We are always close by.

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