



# Schindler CleanMobility solutions

Hygiene and safety in elevators,  
escalators and moving walks



# Introducing Schindler CleanMobility

## A complete range of hygiene solutions

We're living in a changing world and the way we interact and make contact with each other is changing even faster. There are new challenges in public spaces as we learn how to share it comfortably while maintaining our safety and protection. At Schindler, we're finding the solutions to help people adapt with our innovative Schindler CleanMobility solutions – keeping elevators and escalators sanitary and safe.

### Clean and touchless operation solutions

**1. Schindler Ahead ElevateMe**  
Touchless elevator operation with a swipe on the phone

**2. PORT Technology & myPORT Public**  
Advanced transit management with touchless access

**3. Schindler CleanCall**  
Touchless elevator call and service buttons

**4. Schindler CleanCover**  
Antibacterial film designed to cover the floor and cabin buttons

### Passenger space and social distancing solutions

**5. Schindler UV CleanAir**  
Air purification system that keeps elevator cabin air fresh and hygienic

**6. Schindler UV CleanCar**  
UV-C light system that cleans cabin surfaces without using ozone or releasing harmful chemicals

**7. Schindler CleanSpace**  
Expands the individual passenger space in the cabin for social distancing

**8. Schindler Ultra UV and Ultra UV Pro**  
Reliable and invisible protection for escalator and moving walk handrails



# Schindler Ahead ElevateMe

## Elevator operation with a swipe of the smartphone

With the new Schindler Ahead ElevateMe mobile application, elevator passengers can control and interact with elevators using their smartphones. Simply call the elevator and select the destination. It's the best way to use an elevator without ever having to touch it. Available on both the iOS or Android operating systems and completely intuitive.

### Benefits for passengers



**Safer operation.** Increasing safety and sanitation in elevators by decreasing the need to make physical contact with the controls.



**True convenience.** The app takes user-elevator interaction to a new level with the option for new convenience services and solutions to be added in the future.

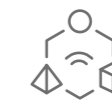


**Intuitive use.** The highly intuitive interface can be understood instantly and provides a smooth and enjoyable user experience.

### Benefits for facilities



**High-level security.** The app works with Schindler IoEE ecosystem which runs high-level cyber security, safety and privacy.



**One-stop solution.** Schindler provides an end-to-end solution for the entire service that includes the app (iOS and Android), QR code sticker set, the IoEE cloud and connectivity.



**Easy to activate\*.** ElevateMe works perfectly with Schindler Ahead Connected elevators – and includes all necessary hardware and software updates to run the service instantly.

\*Schindler Ahead ElevateMe can only be used in Schindler Elevators and with Schindler Ahead Connectivity.

### How does it work?



#### Connect the unit

- Units need to be connected to Schindler's IoEE ecosystem using Schindler Ahead Connectivity.
- Schindler's IoEE ecosystem uses reliable SIM card-based 4G/LTE wireless connectivity.



#### Apply the QR codes

- QR codes – provided by Schindler – need to be placed on the door frames or around the elevator call buttons on the wall with good visibility.
- Applied QR codes trigger the app installation if it's not yet installed, and the app includes the instructions on how to use it. QR stickers make it easy to recognize if an elevator is enabled for a touchless journey for passengers.

### How does it work for passengers?



#### Scan the QR code

- Passenger needs to download the Schindler Ahead ElevateMe app from the app store (iOS or Android).
- In front of the elevator, they need to scan the QR code with the app.
- By scanning the QR code, the app identifies the floor, location and equipment.



#### Select destination floor

- A screen on the app comes up and shows the number of floors. The passenger simply selects the desired floor, enters the elevator and arrives at their destination without touching anything.

# Schindler UV CleanCar

## Deep sanitization with UV-C light

Most people associate sanitization with spraying surfaces and scrubbing with soap, but the right kind of light has powerful sanitizing properties as well. Schindler UV CleanCar is an innovative system that uses UV-C ultraviolet light to destroy bacteria and viruses in elevators and by doing so reduces the risk of bacteria and virus transmission between passengers.



### Reliable safety

Thanks to highly reliable sensor technology, using the Schindler UV CleanCar is safe and only engages when the cabin is free of passengers.



### Verified efficacy

Efficacy of this surface-cleaning solution has been measured and certified by SGS.\*



### Environmentally friendly

The UV-C lamp is energy efficient and reduces the need for chemical-based cleaning products that can damage local environments.

### How does it work?

An ideal solution to effectively sanitize surfaces in cabin cars like button panels and handrails, Schindler UV CleanCar employs the germicidal properties of UV-C ultraviolet rays. This process breaks down the nuclei of bacteria and viruses, inhibits their reproduction, and thus eliminates them.

Installed directly in the cabin, the special lamp uses three sensors activated between intervals when the cabin is empty to offer a discrete sanitization solution. The light system cleans these surfaces without using ozone or releasing harmful chemicals into the cabin.



\*SGS Verification Statement of Device Efficiency Assessment number is CH-220063 SCHINDLER MGMT



UV-C light is invisible. The blue light in the image serves as an operation indicator.

# Schindler CleanCall

## Touchless call and service buttons

Less physical contact with shared interfaces means less potential to transmit dangerous bacteria and viruses, keeping tenants, employees and guests healthier. To make that possible, we've found a practical way to use sensors that make elevator push buttons a thing of the past. With Schindler CleanCall, tenants can select their destination with a simple wave of the hand.



### Convenience of use

The contact-free interface offers the same user convenience and intuitive use of pressing a typical button.



### Zero contact

The sensor can detect interaction from a distance of 1–3 cm from the button surface to enable users to make their selection with no physical contact.



### Easy to install

Conventional touch buttons with no-contact sensors can be easily replaced with Schindler CleanCall buttons in operating panels.

### How does it work?

While conventional touch buttons require users to touch them with their skin, changing hygienic standards are demanding a different approach. Schindler CleanCall quickly and easily replaces touch-based buttons with a touch-free sensor-based interface.

Schindler CleanCall's contactless works by using an innovative built-in sensor that detects when a call should be activated. Users simply need to place a finger approximately 1-3 cm from the surface to activate the integrated sensor.



# Schindler CleanCover

## Protective layer for push buttons and surfaces

Schindler CleanCover is an antibacterial protective film that covers the surfaces in an elevator that are often touched by passengers, such as the push button panel and the elevator walls. This discrete solution has powerful sanitization properties that prevent harmful bacteria from collecting and thereby spreading between passengers.



### Highly effective

Designed to reduce the most common bacteria, spread by touching surfaces.



### Cleaner operation

Simpler and faster way to clean and sanitize push button panels.



### Extra protection

The protective layer prevents dirt and harmful cleaning chemicals from entering the push button panels during cleaning, preserving buttons and electronic components.

### How does it work?

Protecting passengers from bacteria on surfaces without them having to do anything at all, the special antibacterial film is designed to cover the floor and cabin buttons. It works by progressively releasing antibacterial agents on the surface that neutralize contagious disease agents.

The coating also allows for easier cleaning of the push button panels with typical disinfectant products for an extra level of protection. Additionally, the film protects buttons and electronic components in the system by adding an extra barrier for dirt.



# Schindler UV CleanAir

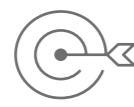
## Keeping cabin air fresh and hygienic

One effective way of reducing the risk of infections and slowing the spread of airborne pathogens is to maintain the quality of the air itself. With Schindler UV CleanAir, elevator cabins can sanitize and cycle their air more frequently and efficiently.



### Verified efficacy

Air cleaning efficacy of the device has been measured and certified by SGS.\*



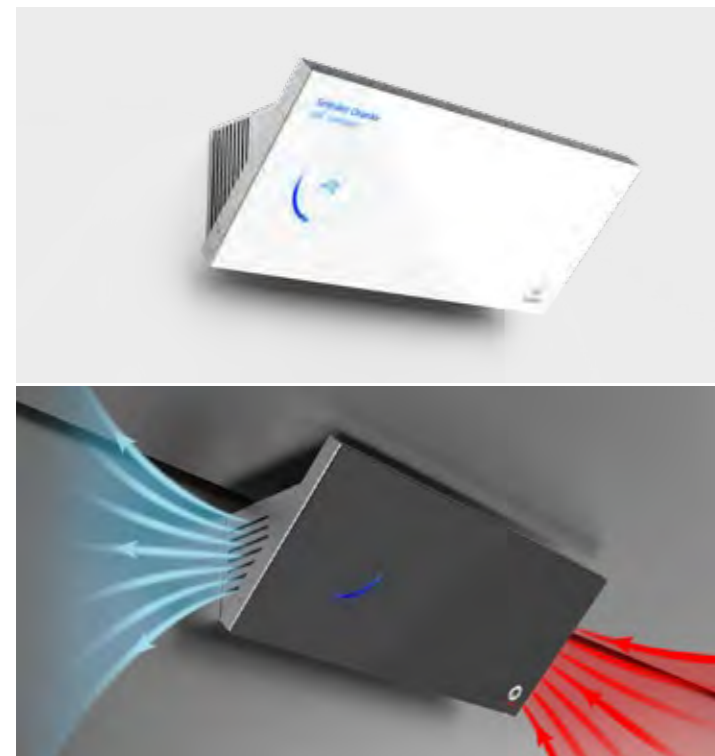
### Scheduled cleaning

Sanitation of the air in the cabin can be done with ongoing operation or with automatic scheduling and activation, cleaning is done on a routine basis.



### Elegant design

Designed in Switzerland, Schindler UV CleanAir is elegant and harmonizes well with any cabin interior.



### How does it work?

Keeping air sanitary and reducing the bacteria and viruses it carries is a great step towards providing public spaces that we can all share more safely. Viruses and bacteria don't just contaminate shared contact surfaces such as handrails and buttons, but also air space between passengers.

Using UV-C light technology, Schindler UV CleanAir sanitizes the air to make it safer for frequent use. The cabin air cleaning system activates automatically and at different times of the day to ensure around-the-clock clean air.

\*SGS Verification Statement of Device Efficiency  
Assessment number is CH-220063 SCHINDLER MGMT

# Schindler CleanSpace

## Distancing through occupation control

One of the best ways to fight the spread of bacteria and viruses and to control the occupancy of closed spaces. This ensures that people can correctly follow safety and social distancing guidelines and feel comfortable and secure in public spaces. Schindler CleanSpace adjust the maximum load capacity in elevators to keep cars from becoming overcrowded.



### Quick and easy

The maximum capacity can be set by our service technicians in just a short time.



### Straightforward

A simple solution to address tenants' or passengers' concerns about social distancing in elevators.



### Cost effective

This affordable solution can help minimize the occupancy in elevators without new hardware.

### How does it work?

With Schindler CleanSpace, the load measurement system's full load can be easily adjusted to the desired capacity so that it's in line with social distancing guidelines. The typical setting is usually around 90%, but to encourage a proper distance, it can be reduced to 50%.

When the adjusted capacity is reached, the elevator will not stop for a registered floor call to collect additional passengers and proceed directly to the registered car calls. Once the passengers have left the cabin at their selected destination, the elevator will automatically serve the remaining floor calls.



# PORT Technology & myPORT Public

## Advanced transit management with touchless access

The world's leading destination control and security access system for elevators and buildings now makes it possible for all tenants, visitors and the general public to navigate their way through Schindler PORT and myPORT-equipped buildings safely, securely, and touching only their phone or personal access card.



### MyPORT Public

A new myPORT feature available to all users, visitors and the general public in any building with PORT-enabled elevators (PORT third-generation or later). With the downloaded app in the foreground, users can simply approach the elevator terminal and once close enough, the app will display the destination floor list. myPORT public is available for free on the App Store.

### Set a maximum number of passengers

Managing the appropriate number of passengers per elevator is very simple with the PORT Technology. Elevators equipped with PORT have great flexibility and the system can be set to allocate a maximum number of passengers to each car. For instance, to support social distancing measures, the PORT system can be used to require more elevator space per person or extend the amount of time elevator doors remain open to air out the cabin between stops.



# Schindler Ultra UV and Ultra UV Pro

## Reliable and invisible protection for handrails

Handrails are a surface that nearly all of us touch as we move about cities and buildings – and they’re particularly important for passengers that need extra support and help with their mobility. That’s why keeping them clean and reducing the bacteria and viruses that build up on them is an essential task. Schindler Ultra UV and Ultra UV Pro do just that with an innovative and effective UV-C light system.



### Automatic system

The automatic disinfection system routinely eliminates bacteria and viruses and guarantees effective protection during operation time.



### Energy efficient

Thanks to the physical disinfection process using UV-C LED lighting technology, handrails are disinfected in an efficient and environmentally friendly way.



### Safe and green

Physical disinfection with no harmful chemicals or heavy metal residue on the railing or in our waste or water supplies.



### Low-profile system

The device is installed inside the escalator or moving walk to ensure passenger safety with a very simple installation process.

### How does it work?

The Schindler Ultra UV device uses germicidal UV-C light to treat the handrails at a short distance. This directly damages DNA<sup>1)</sup> and RNA<sup>2)</sup>, which are the genetic materials of bacteria and viruses, preventing their rapid spread. Thanks to the physical disinfection process using UV-C LED lighting technology, handrails are disinfected in an efficient and environmentally friendly way during operation time.

The device is easily installed inside the escalator or moving walk to ensure passenger safety. The Schindler handrail Ultra UV device is a practical solution to prevent the rapid spread of bacteria and viruses.

The Ultra UV Pro device works similarly to the standard Ultra UV device, but operates with more UV-C lights, providing an efficient level of disinfection for heavily used escalators.



UV-C light is invisible. The red light in the image serves as an operation indicator. <sup>1)</sup> DNA is the abbreviation for deoxyribonucleic acid. <sup>2)</sup> RNA is the abbreviation for ribonucleic acid.





## Schindler Digital Media Services

### Turning elevators into engaging communication platforms

Schindler Digital Media Services is perfect for keeping passengers up to date on the latest developments with unexpected and engaging content platforms. From content projected onto elevator doors to an integrated mirror format, there are several exciting ways to inform the building's tenants, employees and guests while they reach their destination.

We're turning our trusted elevators into engaging media solutions and even offer content creation services. These unexpected communication platforms can inform and entertain passengers – serviced and managed from a single source.

#### **Schindler Ahead DoorShow**

Information, advertising and announcements on the elevator doors.

#### **Schindler Ahead SmartMirror & AdScreen**

In-elevator multimedia solutions for entertainment or information.

#### **Linea 800 SmartTouch fixture**

Information, advertising and announcements on the operating panel.

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**We Elevate**



**Schindler**