



## Schindler ReNew solution

Drive performance with a new controller, inverter, fixtures, and machine



**Jardine Schindler**



**Schindler**

# We Elevate... Your Building

## Prepare for the future today

With almost 150 years designing, manufacturing, and installing elevators, we understand how to transport people and loads safely and reliably.

We also know that after years of use, elevator equipment and components will eventually wear down, requiring upgrades to maintain the performance and reliability of the system. So we're using our Swiss-precision engineering and globally renowned expertise to provide you with the best elevator modernization solutions.

Our experience helps us understand and address the particular requirements and the unique challenges that an elevator modernization presents. With Schindler, your modernization will be managed smoothly and efficiently.

Our Schindler ReNew modernization includes a new controller, inverter, fixtures, and machine. By upgrading these essential components in your elevator, the whole experience becomes smoother and more pleasant for your passengers.

A Schindler ReNew not only increases the reliability and performance of your existing elevator, it also adds value to your existing investment. Modernizing your equipment enables you to take advantage of leading energy-efficient technologies, allowing you to reduce your carbon footprint and energy costs. Let us give you peace of mind with our Schindler ReNew solution.



We have several Schindler ReNew options – the Schindler 300 Plus, Schindler 500 Plus, or Schindler 700 Plus – to meet the requirements of your specific building and the existing equipment.

Application Range	Schindler 300 Plus	Schindler 500 Plus	Schindler 700 Plus
Building type	Residential, Office, Hotel	All	All
Speed	Up to 1.75 m/s	Up to 4 m/s	Above 4 m/s
Capacity	Up to 1350 kg	Up to 2600 kg	Over 2600 kg
Group size	Max. 6	Max. 8	Above 8
Schindler PORT-compatible	Yes	Yes	Yes
Schindler Ahead Digital Media Services-compatible	Yes	Yes	Yes



### Reliability

Intelligent electronic diagnostics, in line with the latest code and safety standards, ensure a comfortable ride and improve the performance of your overall elevator system.



### Availability

Maintenance-friendly components and the replacement of obsolete parts reduce the likelihood of equipment downtime.



### Sustainability

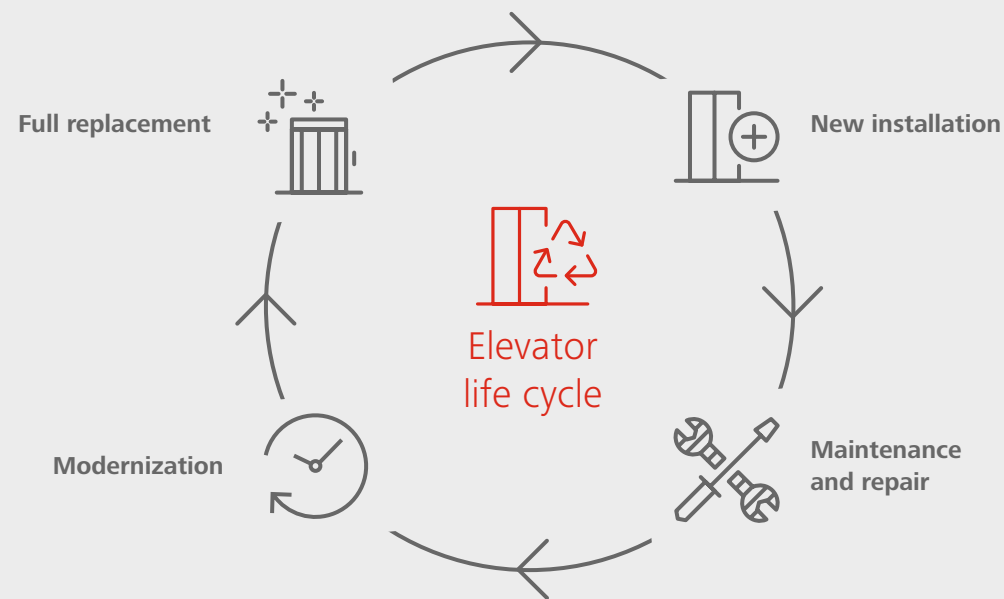
Upgraded components and the latest sustainable technologies help to reduce the energy consumption of your equipment.



















































### Technology

A modernization introduces the latest digital innovations and new technologies to further support the management and maintenance of your equipment into the future.





From design and installation, through to service and modernization, our professionals are there throughout the life cycle of your elevator.

	 <b>ReStore</b> Controller, inverter, and fixture	 <b>ReNew</b> Controller, inverter, fixtures, machine, and suspension system	 <b>RePlace</b> Complete system replacement
Recommended	Over 10 years old or 2,000,000 trips	Over 15 years old or 3,500,000 trips	Over 20 years old
Lifetime extensions	∞ ∞ ∞ ∞ ∞	∞ ∞ ∞ ∞ ∞	∞ ∞ ∞ ∞ ∞
Energy savings	    	    	    
Design impact	    	    	    
Price	    	    	    

## Repair or modernization?

### Giving your elevator new life

#### Assessing your elevator

Like any technical product, elevators are also subject to a life cycle. After commissioning, regular maintenance, and repairs, a Schindler modernization will help ensure that your elevators continue to perform optimally for years to come.

In contrast to a repair, which offers a 1:1 replacement of components, a modernization upgrades components and brings your elevator to a higher standard. The latest regulations, introduced to make your elevator as safe as possible, can be easily met with a Schindler ReNew solution.

#### Minimize unpredictability

A Schindler modernization addresses the unreliability and unpredictability associated with older installations, ensuring a smooth and uninterrupted ride. Replacing obsolete components safeguards against unnecessary downtime due to spare part unavailability – maximizing uptime in the future.

For equipment that is 25 to 30 years old, a Schindler ReNew should be considered to maintain the availability of spare parts, improve equipment performance, and preemptively upgrade components that are reaching their end of life.

## Schindler modernization

### Various solutions to meet your needs

Are you interested in replacing your elevator with a completely new system? Or, maybe you would like to upgrade individual components? Either way, we have the solution that's right for you.

We have developed various modernization solutions to target the differing age, technical needs, and usage of elevators in operation today. A Schindler RePair addresses individual components on an as needed basis. A Schindler ReStore targets the electrical system to enable the latest technologies. Alternatively, a ReNew upgrades the critical electrical, and mechanical components, such as the machine, to deliver a smooth, safe and energy-efficient ride. While, a Schindler RePlace introduces a brand new elevator into your existing hoistway.

# ReNew the critical components

## Enhance the overall system

A Schindler ReNew modernization upgrades several critical components in your elevator.



\*representative system

### 1 Controller

Energize the brain of your elevator: the controller. A new elevator controller assures your equipment's performance, safety, and reliability, while also preparing the system for future enhancements. Additional advantages include reduced noise and increased levels of security. It all adds up to a significant improvement in comfort and peace of mind.

### 2 Inverter

The safety and comfort of an elevator go hand in hand with smooth operation and accessibility for passengers. Upgrading the inverter can eliminate trip hazards between the car and the landings. Precision stopping accuracy, thanks to advanced digital technologies, enables easy access for older adults, individuals with disabilities, or passengers pushing a stroller or shopping cart. Beyond comfort and safety, a new inverter offers improved energy efficiency.

### 3 Machine

The machine is the power source of the elevator. Old drives increase maintenance costs, do not meet current safety norms, and are no longer energy efficient by modern standards. With a new machine, the hoisting technology, such as ropes, will also be upgraded. Since these components require replacement after several years, this will eliminate the need for short-term repair work. When required, your machine will also be provided with a new frame to minimize adaptations to the building.

### 4 Fixtures

The fixtures are the primary interface between passengers and the elevator. They reflect the overall technical standard and quality of the equipment. Increase comfort and accessibility with new elevator and landing fixtures.

### 5 Electrical package

Your modernization will also include a set of replacement electrical peripherals and wiring. Machine room wiring, traveling cables, shaft wiring, car connection box, shaft information, and limit switches are included in the package.

### 6 Door system

Elevator doors are of the most critical components in your elevator. They ensure the smooth and reliable operation of your equipment and guarantee the safety of riding and waiting passengers.



Tailored solutions bring performance, value, and efficiency to your building. Options can be easily added to your Schindler ReNew modernization package. As your partner, we'll help determine what you need and make sure you get it. Whatever your priority, we can personalize a mobility solution that meets the specific requirements of your building, elevator, and tenants.



# A future-ready controller

## Designed for next-generation technologies

Schindler controllers are designed and developed to improve the reliability, functionality, and performance of the entire system. A new controller allows your elevator to benefit from the latest digital technologies, advancing it into the future.

### Smart operation – clarity and convenience

Digital connectivity allows for better maintenance and management of your elevators, while creating higher levels of comfort for passengers. Several of our controllers are fully enabled for Schindler Ahead. Designed on the principles of IoT (Internet of Things) and machine learning, this system analyzes cloud-based data to deliver improved uptime, insights, and convenience. Digital connectivity gives you access to a wide range of services – from remote monitoring to an in-car alarm. Switching from analog landlines to digital wireless not only improves the reliability and quality of the connection – it also allows you to conveniently add new services to your account.

#### Maximize uptime with Schindler Ahead RemoteMonitoring

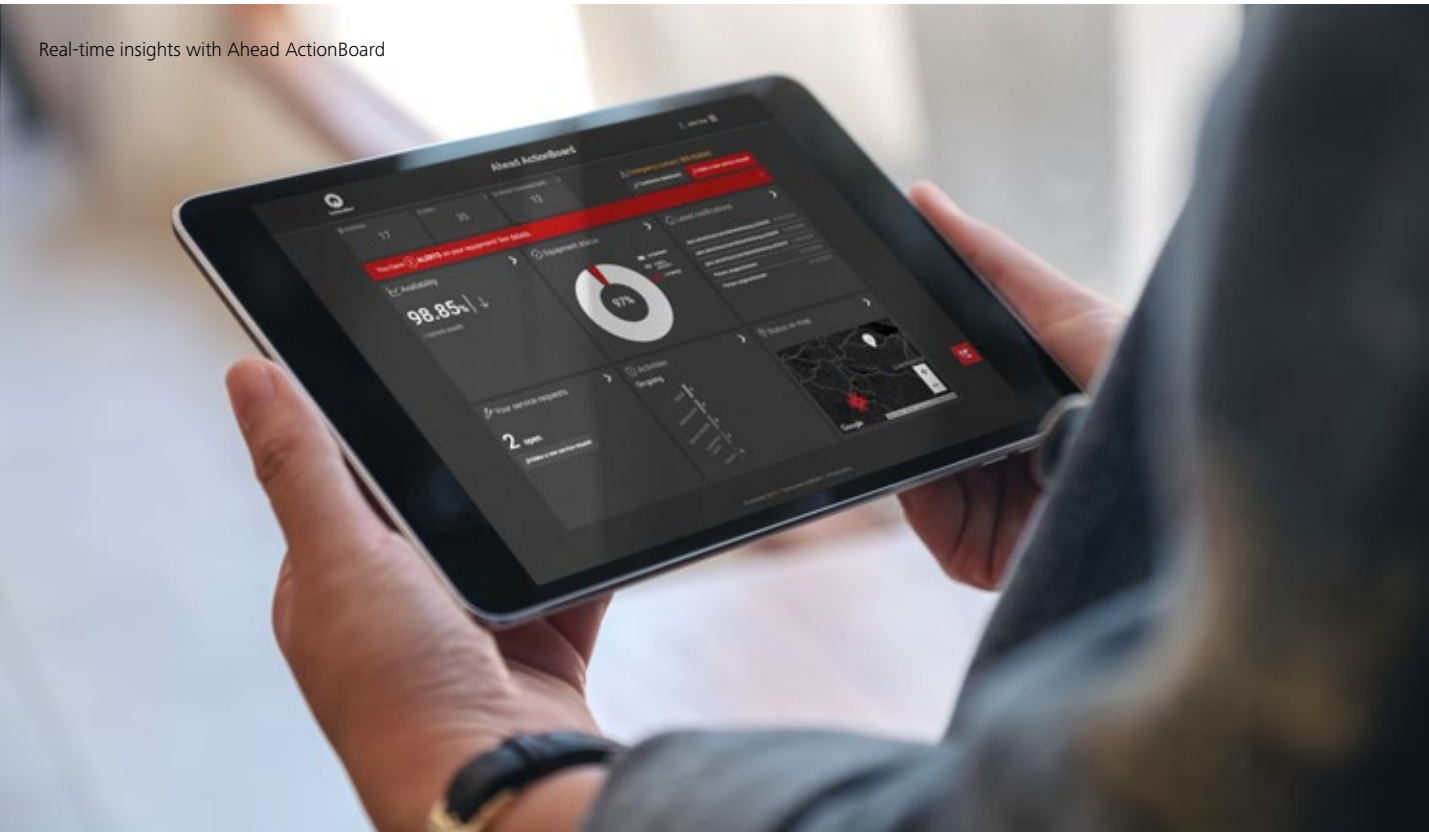
With digital connectivity, issues can be detected and addressed long before service is affected. This helps minimize or even avoid downtime of your elevators. Schindler Ahead maximizes equipment uptime thanks to instant, accurate insights about the health of your system.

#### Real-time insights with Schindler Ahead ActionBoard

Schindler ActionBoard provides operational, performance and commercial information in real time, giving your facility managers clear, instant oversight of their entire elevator and escalator portfolio.

#### Improved maintenance and reliability

A new controller supports the digital commissioning and enhanced maintenance of your elevator thanks to Schindler’s digital service tool. This ensures the installation meets the highest quality standards, right from the very beginning.





# An updated inverter to improve energy use

## Economically and ecologically sound

Beyond comfort and safety, operators and owners of buildings demand economical and ecological performance from their elevators.

A new Schindler inverter helps you to cut operational costs by reducing energy consumption. We have several types of inverters to match your existing equipment. The most energy efficient of these are regenerative inverters. While conventional inverters dissipate the brake energy on brake resistors – thus wasting valuable resources and heating the machine room – Schindler regenerative inverters return brake energy to the building’s electrical devices or into the grid. This minimizes energy consumption and reduces the cooling requirement in the machine room by up to 50%\*.

\*Depending on the configuration of your ReNew solution and the existing installation.

Thanks to the latest advancements, the inverter, rather than mechanical brakes, brings the elevator to a stop. This can significantly improve the stopping accuracy to minimize trip hazards – making entry and exit easier for all passengers. It also reduces the wear and tear of the brake pads to extend the life of these components.

The regenerative approach, and its low standby energy consumption, makes the whole system a beneficial solution for the building, the environment, and your bottom line.

# Upgrade the ride with a new machine

## Cut noise, vibrations and cost

Move your building with the times. After 20 years of operation, the maintenance costs for an elevator machine increase disproportionately.

### Ride comfort

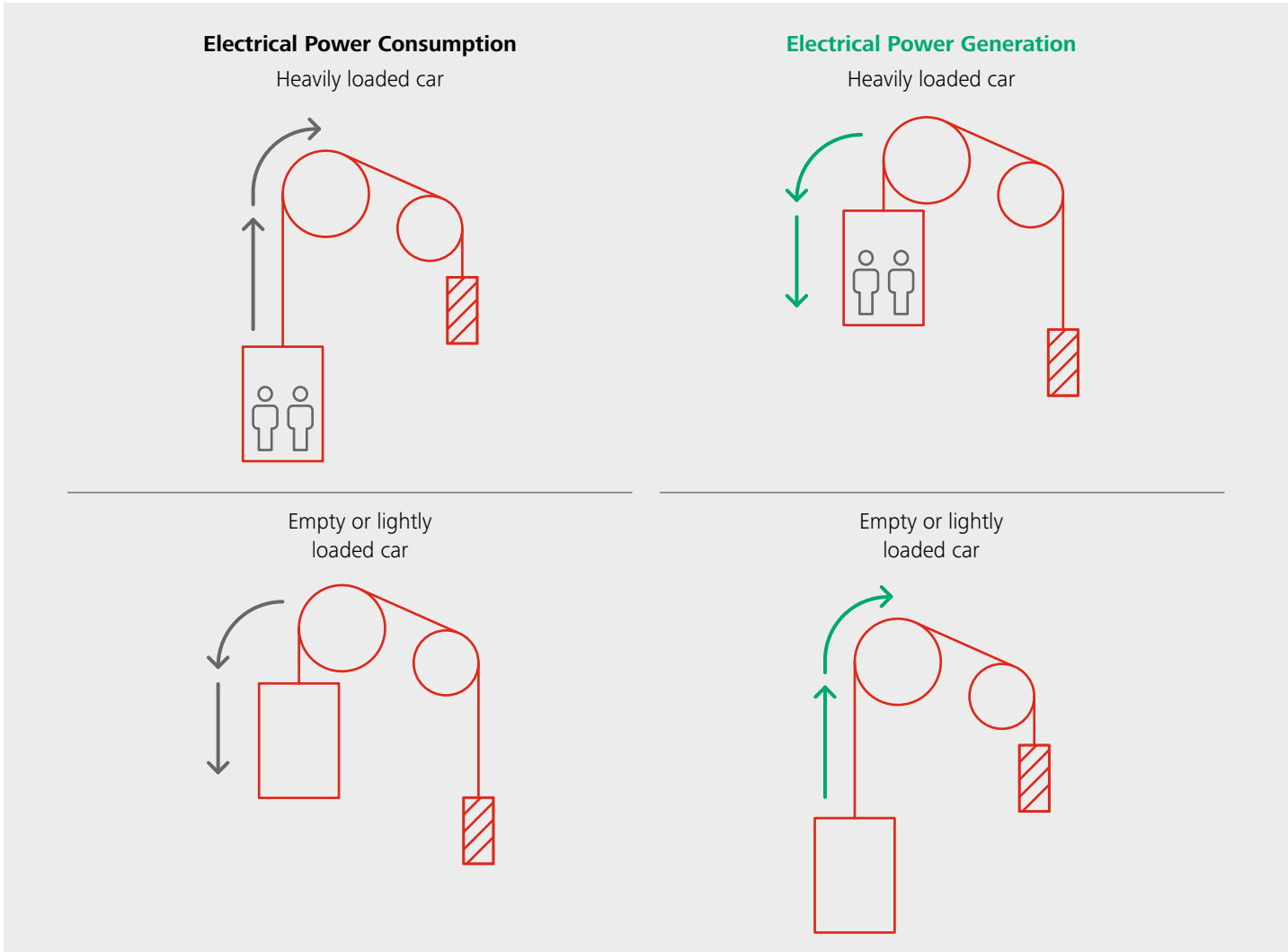
Enjoy precision stopping accuracy thanks to the enhanced and fully aligned communication between the inverter and the machine. A new machine can also help to reduce the noise and vibration created by aging material.

### Energy savings

New gearless machines with latest ACVF can also save up to 30% over older geared technology.

### Safety

A new machine prevents uncontrolled car movement, either by introducing gearless technology or by incorporating a second safety device to prevent upward movement of the car. This change, in compliance with EN81-20/50, improves the safety of the system.



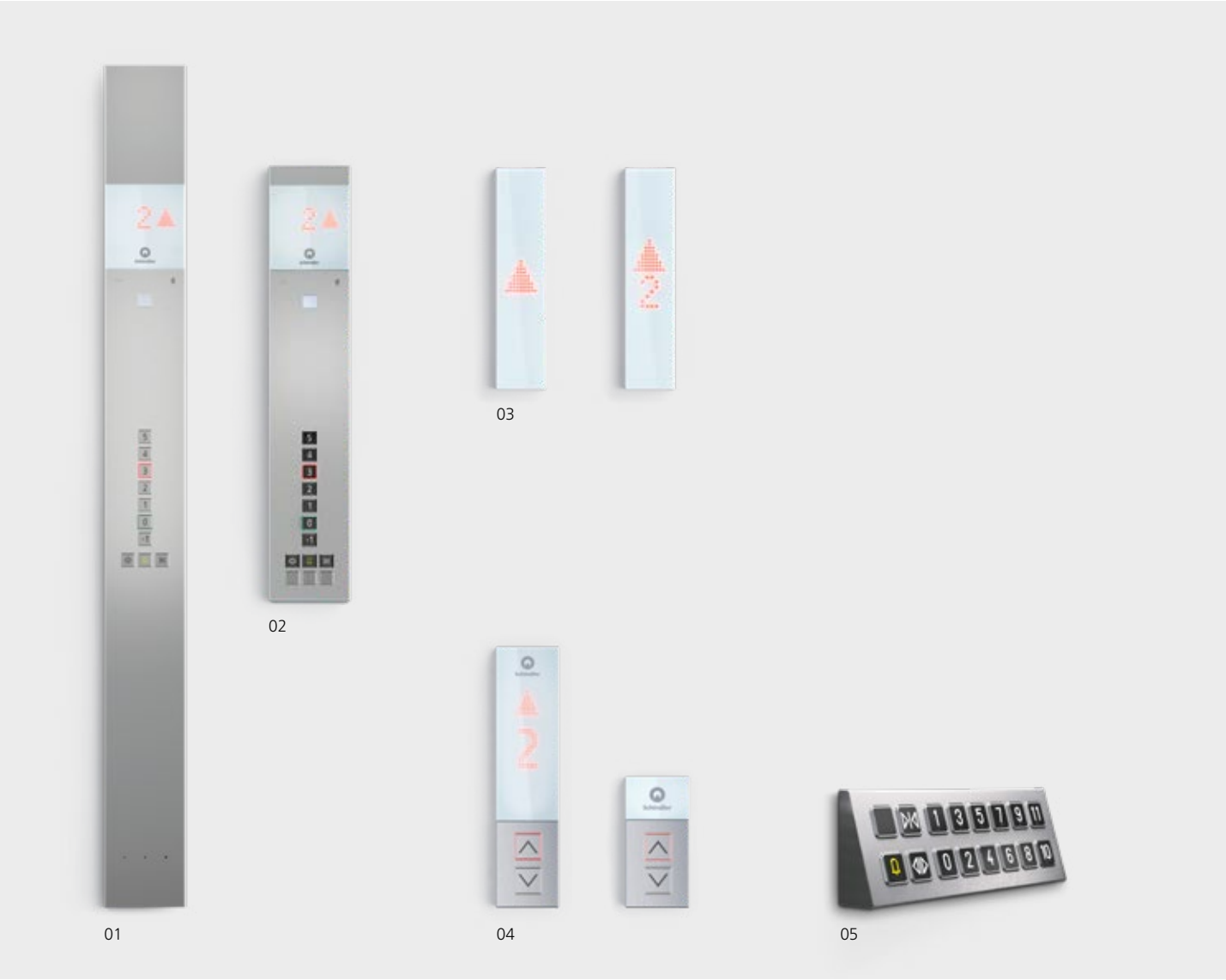
Installing a new machine increases comfort for users, while keeping availability high. We can provide solutions for all building types with minimal building adaptations, thanks to our various machine designs.

# Fixtures to fit every need

## Outfit your elevator in style

### Linea 100

Linea 100 offers functional design instainless steel. The display is integrated in white glass, large, easily readable, and red LED dot matrix. Push buttons are clear with red call confirmation.



- 01 Full height car operating panel
- 02 Half height car operating panel (EN:81-70)
- 03 Car position & direction indicators
- 04 Landing operating panels
- 05 Horizontal car operating panel (EN:81-70)

- Optional features:**
- Concealed attendant box
  - Key switches
  - Braille on buttons

### Linea 300

An upmarket user interface to enhance your elevator's looks, with an intuitive, efficient design. The display is in black glass, with buttons positioned on elegant black stainless steel, or white glass display on typical stainless steel color finishing.



- 01 Full height car operating panel
- 02 Full height car operating panel (EN:81-70)
- 03 Car position & direction indicators
- 04 Landing operating panels
- 05 Landing operating panels (EN:81-70)

- Optional features:**
- TFT LCD screen
  - Concealed attendant box
  - Different mounting options or landing fixtures
  - Key switches
  - Card reader
  - Braille on buttons



# Schindler PORT Overlay

## A seamless and hassle-free modernization

### PORT

Schindler PORT technology – our destination dispatch system – can be installed in place of conventional fixtures on each landing to optimize the performance of an elevator group.

A Schindler PORT upgrade can be implemented as the first step of a more comprehensive modernization to achieve smart mobility in a minimum amount of time. Customers will experience an immediate improvement in traffic flow, even if one car is out of service for the modernization.



- |    |                            |
|----|----------------------------|
| 01 | Schindler PORT 1 pedestal  |
| 02 | PORT 4 flush wall-mounted  |
| 03 | PORT destination indicator |
| 04 | PORT 1 MINI                |

- |    |                     |
|----|---------------------|
| 05 | PORT 1 wall-mounted |
| 06 | PORT 4 Home         |
- PORT solutions available in white, grey or black



Enjoy up to 40% energy savings with Schindler PORT\*

From simple and practical to elegant or energy saving, the fixtures in your Schindler ReNew package can be tailored to your needs.

\*Depending on the configuration of your ReNew solution and the existing installation.



# Tailored solutions

## Options to meet the demands of your passengers and tenants

A wide variety of options and add-on features help you tailor a Schindler modernization to your budget and your wants. These can be easily added to your Schindler ReNew package to increase the longevity of your elevator. The options can also be added in phases, according to the financial planning of your building.

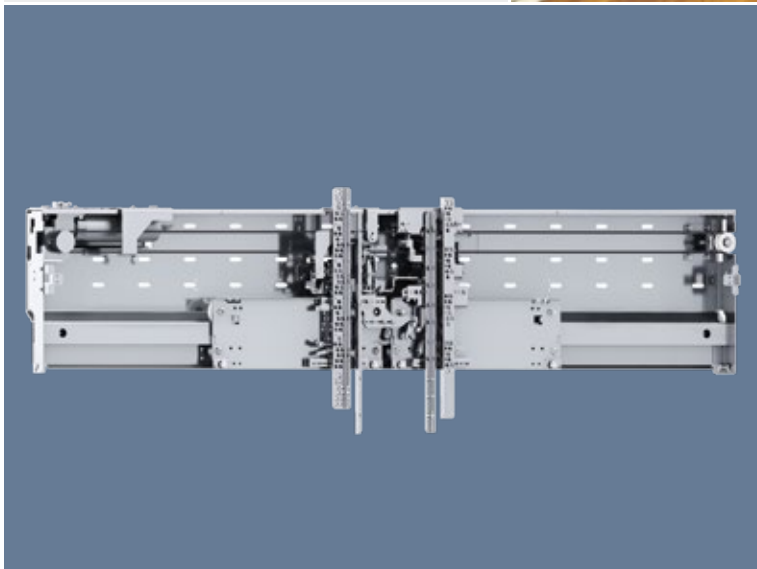
### Modern, fresh designs

A **car interior upgrade** introduces the latest architectural elements into your elevator and returns the elevator appearance to a youthful state.



### User experience at the next level

Inform, engage, entertain. Display engaging multimedia content for your passengers and generate new revenue streams through advertising. Turn your elevator into an infotainment hub with **Ahead MediaScreen**.



### Optimize performance and reliability

The elevator **door system** is the leading cause of elevator downtime and maintenance visits. Update the door drive and car door panels to mitigate this risk and improve the reliability of the system.



### Elevating passenger health and safety

Enhanced health and safety solutions such as a new overspeed governor, a battery pack for automatic evacuation, or one of **Schindler's CleanMobility** solutions will give passengers further peace of mind.



**Your choice of design** – Enjoy the possibility of creating your own car interior design. We offer unparalleled flexibility and help you to find the ideal fit for functional, sophisticated and innovative interior architecture concepts. **Bring your style to life.**





**Note:** All Pictures shown are for illustration purpose only. Actual product may vary due to product enhancement and technical limitation.



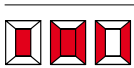

# Navona

## Functional and durable



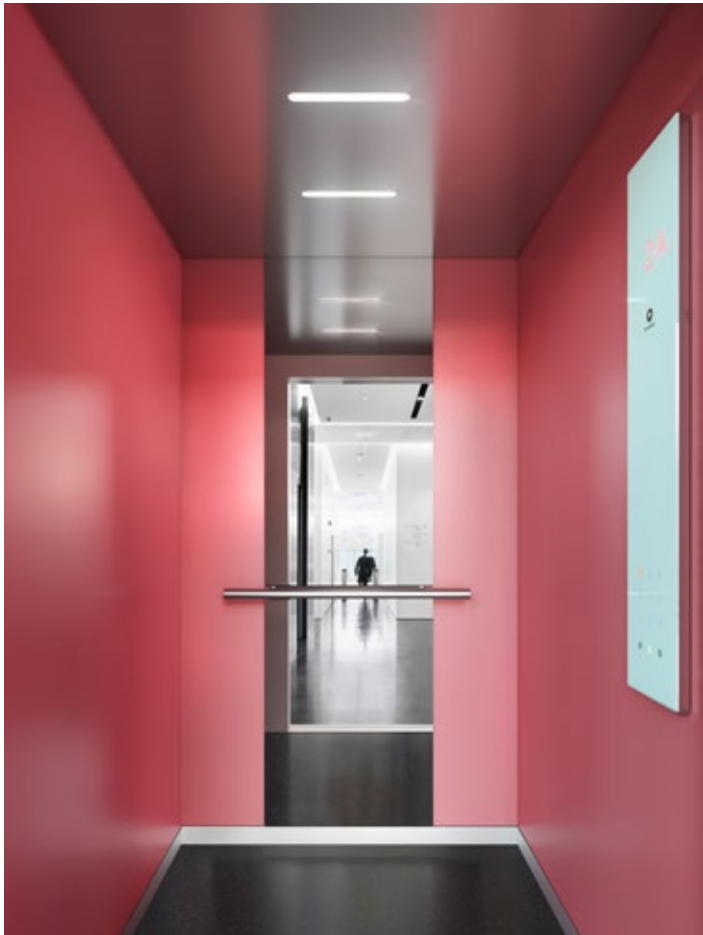
			
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	Bracket	Curve	Center
	Round Spots	Line	Square Spots
	Painted White Aluminum	Stainless Steel Brushed Vibration	Stainless Steel Hairline
	Stainless Steel Lausanne Linen	Stainless Steel Polished Mirror	
	Straight		
			
Handrail			


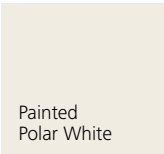

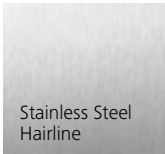


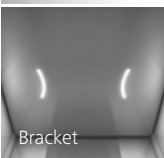


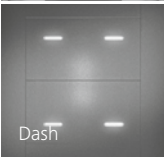

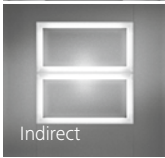
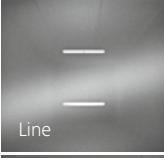
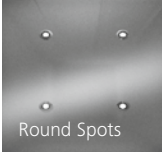






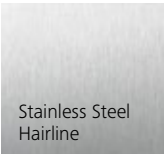
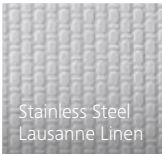



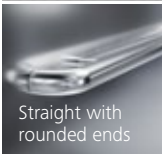

**Navona**  
 Lighting: Round Spots  
 Ceiling: Painted White Aluminum  
 Walls: Painted San Marino Blue  
 Car operating panel: Linea 100  
 Skirting: Flush  
 Floor: Artificial Granite Grey

				
Walls	Painted Capri Yellow	Painted Genoa Green	Painted Oxford Green	Painted Polar White
	Painted Riga Grey	Painted San Marino Blue	Stainless Steel Brushed	Stainless Steel Hairline
	Rubber Speckled Black	Rubber Speckled Dark Grey	Rubber Speckled Light Grey	Rubber Speckled Sand
	Rubber Grey	Rubber Studded Grey		
	Artificial Granite Black	Artificial Granite Brown	Artificial Granite Grey	Artificial Granite Sand
	Aluminum Checker Plates			


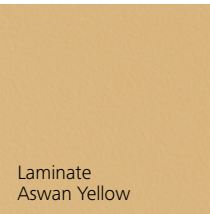
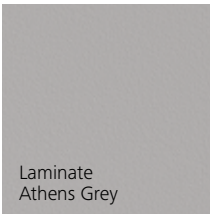

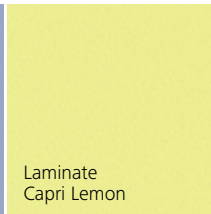


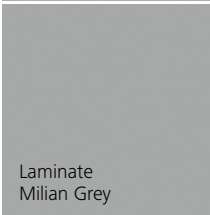
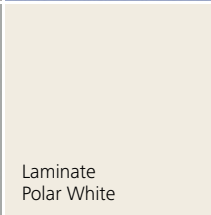


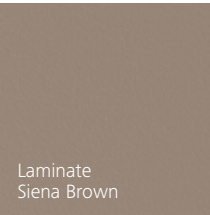
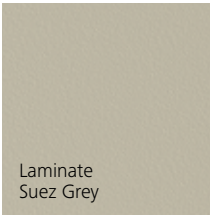










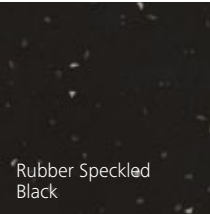



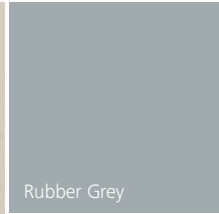


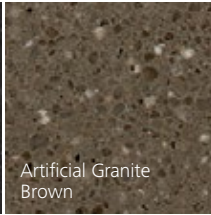

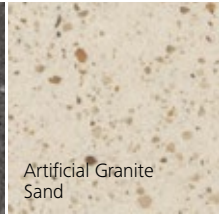

# Times Square

Let color speak your language.



 Ceiling	 Painted Polar White	 Painted White Aluminum	 Stainless Steel Hairline
	 Stainless Steel Polished Mirror		
 Lighting	 Bracket	 Curve	 Center
	 Dash	 Dash Array	 Indirect
	 Line	 Round Spots	 Square Spots
	 Surround		
 Car door & fronts	 Painted White Aluminum	 Stainless Steel Berne 5WL	 Stainless Steel Brushed Vibration
	 Stainless Steel Hairline	 Stainless Steel Lausanne Linen	 Stainless Steel Polished Mirror
 Handrail	 Straight	 Straight with rounded ends	 Curved

**Times Square**  
Lighting: Line  
Ceiling: Stainless Steel Hairline  
Walls: Painted Laminate Mascara Red  
Car operating panel: Linea 120  
Skirting: Flush  
Floor: Artificial Granite Black

 Walls	 Laminate Aswan Yellow	 Laminate Athens Grey	 Laminate Cadiz Blue	 Laminate Capri Lemon	 Laminate Catania Light Grey
	 Laminate Mascara Red	 Laminate Milian Grey	 Laminate Polar White	 Laminate Ravenna Orange	 Laminate Seville Sunset
	 Laminate Siena Brown	 Laminate Suez Grey	 Laminate Granada Metallic Platinum	 Laminate Maribor Metallic Silver	 Stainless Steel Berne 5WL
	 Stainless Steel Brushed	 Stainless Steel Hairline	 Stainless Steel Lausanne Linen	 Stainless Steel Lugano Matt	 Stainless Steel Polished Mirror
	 Glass				
 Floor	 Rubber Speckled Black	 Rubber Speckled Dark Grey	 Rubber Speckled Light Grey	 Rubber Speckled Sand	 Rubber Grey
	 Rubber Studded Grey	 Artificial Granite Black	 Artificial Granite Brown	 Artificial Granite Grey	 Artificial Granite Sand
	 Aluminum Checker Plates				



# Park Avenue

## From contemporary to elegant.



<div>Ceiling</div>			
<div>Lighting</div>			
<div>Car door &amp; fronts</div>			
<div>Handrail</div>			

**Park Avenue**  
 Lighting: Indirect  
 Ceiling: Stainless Steel Polished Mirror  
 Walls: Laminate Vancouver Wood  
 Car operating panel: Linea 100  
 Skirting: Protruding  
 Floor: Artificial Granite Black

<div>Walls</div>						
<div>Floor</div>						

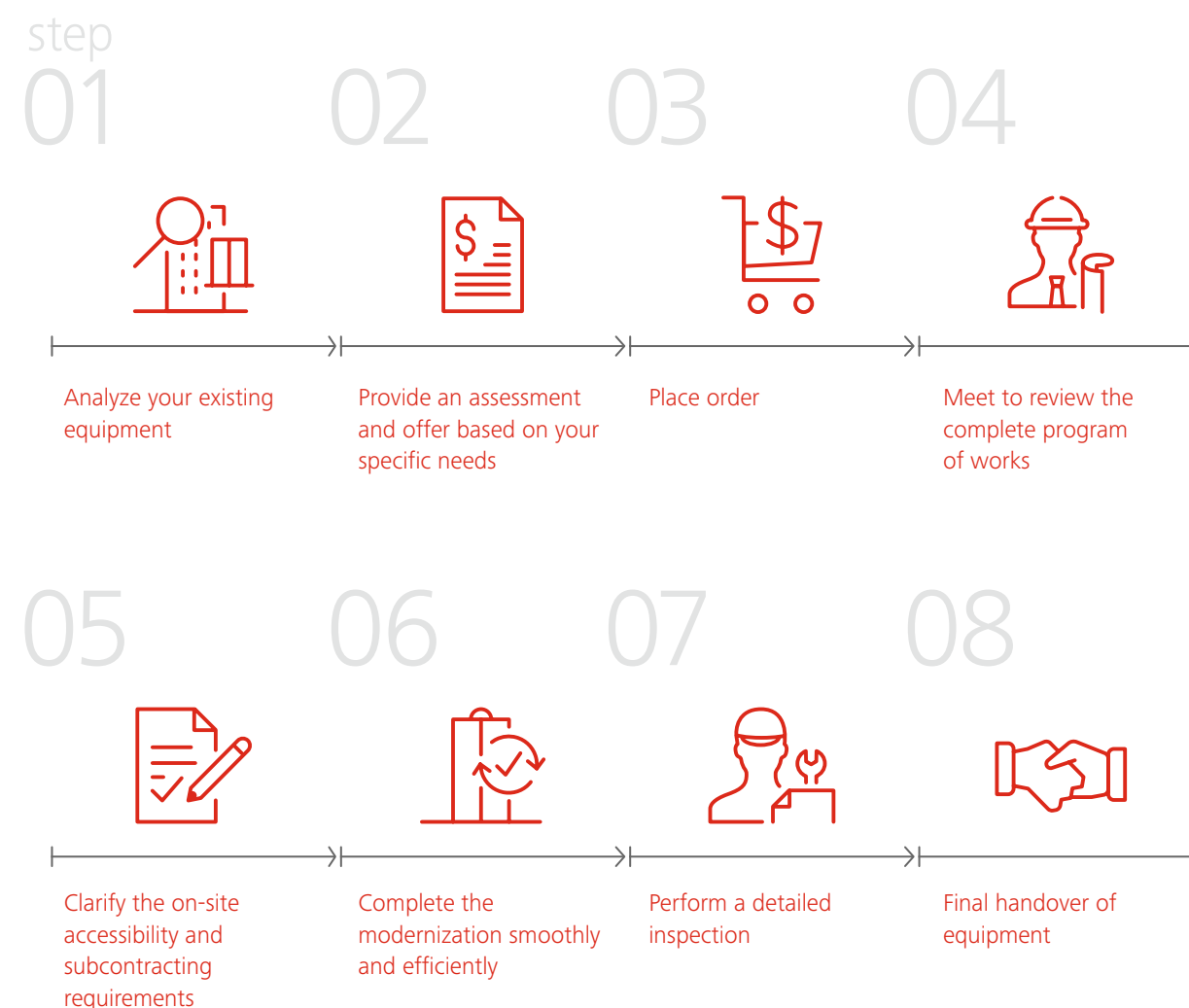


up to

34%  
reduced downtime\*

## Installation excellence

Working with you every step  
of the way



### Transparent fulfillment process

We partner with you to find the best mobility solution for your facility. By checking the health of your existing equipment, we can determine what solution and components are the best fit for your installation.

To ensure a smooth installation process, we'll meet with you a few weeks before the modernization starts to discuss the final program of work. We'll also clarify storage and access points, and coordinate our activities with any subcontractors on-site.

### Efficient installation and future maintenance

Installing the components in a ReNew solution can be done quickly. We'll aim to limit required building works, where possible, and endeavor to keep any noise, disruption, or dirt to a minimum – always showing the utmost respect for your building and tenants.

After a Schindler ReNew modernization, your equipment becomes easier to service and troubleshoot. The newly connected elevators enable 24/7 intelligent auto callback service and maintenance. This can reduce downtime by up to 34%\*.

\*Compared to non-connected units.



# We are always close by.

Please contact one of the following addresses:

## **Brunei**

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info.my@schindler.com  
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