

*The heart of your building™*



SPRING

SUMMER

AUTUMN

WINTER

# KONE MonoSpace® R-series

STYLISH ELEVATOR SOLUTIONS FOR RESIDENTIAL BUILDINGS



# KONE – world leader in elevators and escalators

## Technology you can trust

KONE MonoSpace® was the world's first machine-room-less elevator platform and changed the elevator industry for ever. In the ten years since it was introduced, the space-saving KONE MonoSpace has proven itself to be a highly reliable, trouble-free solution in countless thousands of units in operation around the world, and today it continues to be the world's leading machine-room-less elevator.

## KONE EcoDisc®

The low-friction, gearless KONE EcoDisc motor has extremely low levels of wear and reduces energy consumption to half that of a comparable geared installation. Smoother and more efficient than traditional gearless motors, it needs no oil, reducing the risk of fire and eliminating oil spills and the oily odors sometimes associated with hydraulic residential elevators.

## KONE MonoSpace

Thanks to the compact KONE EcoDisc motor's power and efficiency, the KONE MonoSpace needs no unsightly rooftop machine room, reducing construction costs and freeing up more usable space. KONE MonoSpace's outstanding performance and smooth ride result from EcoDisc's low rotational motor speeds, gearless construction, and the V3F variable frequency drive that prevents current peaks and ensures precise stops.



- The world's leading machine-room-less elevators
- Superior levels of passenger comfort
- Wide choice of design alternatives
- Space-saving features
- Energy efficiency
- Proven reliability
- Smooth, quiet ride

# Four high quality elevators, one proven platform

## **KONE MonoSpace® R-series elevators – style and reliability**

When it comes to deciding how your elevator should look and feel, the possibilities are almost endless. The KONE MonoSpace R-series makes it easy to choose the right elevator for your residential building – without limiting the possibilities. This new concept in elevator ambience is based on proven KONE MonoSpace technology, which has been the world's leading machine-room-less solution for over 10 years.

## **Unprecedented design options, exceptional ease of selection**

The KONE MonoSpace R-series comprises four elevator solutions. Once you have chosen the solution that suits your building best, you can either choose one of the many pre-designed interiors, mix and match between available components, or design your own customized interior. Whatever level of design sophistication and customization you require, the exceptional range of choice and ease of selection ensure that you'll find exactly what you're looking for.

## **Whatever the season outside, choose your own season inside**

Our pre-designed interiors are based on the four seasons. Each season has its own very unique character; from the light, cool spring, through the bright, warm summer and dark, warm autumn to the cool, dark winter, the sensory atmosphere is different and is influenced by the lighting, the feel of the materials, and the choice of colors. If you can't find what you want from one season, you can take elements from other seasons to create the particular elevator experience that you seek.

## **Options for added convenience and space efficiency**

The optional KONE Polaris™ Destination Control System (DCS), the first adapted for low and mid-rise buildings, adds convenience and a high-tech image to your building, beautifully complementing the KONE MonoSpace R-series elevators.

In this series, the KONE MonoSpace platform's space-saving design is taken to the next level by two new options: **KONE LH Shaft™** and **KONE XL Car™**. The KONE LH (low headroom) Shaft reduces the shaft height, allowing an easier building interface, offering more architectural freedom, and further lowering construction costs. The KONE XL Car option enables a larger car to fit into a standard-sized shaft. Typically, the cars have a rated load of one to three persons more than a standard car in the same shaft.

## **Ensuring compliance**

The KONE MonoSpace R-series offers solutions that comply with European code EN 81-70, relating to disabled access, as well as the fire-related codes EN 81-72 and EN 81-73.



# Three steps to selecting the right solution

The KONE MonoSpace® R-series has been designed to make it easy to find the elevator solution that exactly matches the needs of your building and its residents.

## Step 1 - select the elevator capacity

The first thing to be considered is the technical specifications that you require from the elevator solution. Factors like load, speed, number of stops, and travel height will determine which R-series solution best meets your needs. Your choice will be further influenced by the general value expectation you attach to the solution.

## Step 2 - select the required options

After choosing the elevator solution that fits the technical requirements, the next step is to further refine it by selecting the required options and features. These options include LED spot lighting, KONE XL Car™ and KONE Polaris™ destination control system for example.

## Step 3 - select the visual appearance

The final step in finding the elevator solution that exactly matches your requirements is to select the visual appearance of the elevator. With our seasonal designs, Deco wall decoration, and option to design your own car interior, it's easy to find the ambiance you seek.

The table below shows what options and features are available with each elevator solution.

MonoSpace Standard configuration			MonoSpace Special configuration
<p><b>KONE MonoSpace R3</b> <i>Cost-effective, attractive designs</i></p> <ul style="list-style-type: none"> <li>■ Loads: 320 to 1000 kg</li> <li>■ Speed: up to 1.0 m/s</li> <li>■ Max. travel: 35 m</li> <li>■ Max. no. of stops: 11</li> <li>■ Max group: 3</li> </ul> <p><b>Features and options</b></p> <ul style="list-style-type: none"> <li>■ KONE LH Shaft</li> <li>■ KONE XL Car</li> <li>■ Mix and Match</li> <li>■ EBD Emergency Battery Drive</li> </ul>	<p><b>KONE MonoSpace R5</b> <i>A range of sophisticated designs</i></p> <ul style="list-style-type: none"> <li>■ Loads: 320 to 1000 kg</li> <li>■ Speed: up to 1.6 m/s</li> <li>■ Max. travel: 40 m</li> <li>■ Max. no. of stops: 16</li> <li>■ Max group: 3</li> </ul> <p><b>Features and options</b></p> <ul style="list-style-type: none"> <li>■ KONE LH Shaft</li> <li>■ KONE XL Car</li> <li>■ Mix and Match</li> <li>■ EBD Emergency Battery Drive</li> <li>■ KONE Deco wall decoration</li> <li>■ LED spot lights</li> <li>■ Visual Shaft Kit</li> <li>■ KES 600 in case of glass doors, full front or EN81-72 fulfillment</li> </ul>	<p><b>KONE MonoSpace R7</b> <i>Designed for a luxurious ride</i></p> <ul style="list-style-type: none"> <li>■ Loads: 320 to 1000 kg</li> <li>■ Speed: up to 1.6 m/s</li> <li>■ Max. travel: 40 m</li> <li>■ Max. no. of stops: 16</li> <li>■ Max group: 3</li> </ul> <p><b>Features and options</b></p> <ul style="list-style-type: none"> <li>■ KONE LH Shaft</li> <li>■ KONE XL Car</li> <li>■ Mix and Match</li> <li>■ EBD Emergency Battery Drive</li> <li>■ KONE Deco wall decoration</li> <li>■ LED spot lights</li> <li>■ Visual Shaft Kit</li> <li>■ KONE Polaris DCS</li> <li>■ Glass door</li> <li>■ Remote control key</li> <li>■ KES 600 in case of glass doors, full front or EN81-72 fulfillment</li> </ul>	<p><b>KONE MonoSpace R9</b> <i>Top quality, customizable designs</i></p> <ul style="list-style-type: none"> <li>■ Loads: 320 to 1150 kg</li> <li>■ Speed: up to 1.6 m/s</li> <li>■ Max. travel: 70 m</li> <li>■ Max. no. of stops: 24</li> <li>■ Max group: 4</li> </ul> <p><b>Features and options</b></p> <ul style="list-style-type: none"> <li>■ Mix and Match</li> <li>■ EBD Emergency Battery Drive</li> <li>■ LED spot lights</li> <li>■ Visual Shaft Kit</li> <li>■ KONE Polaris DCS</li> <li>■ Glass door</li> <li>■ Remote control key</li> <li>■ KES 600 main landing door</li> <li>■ Deluxe car interior</li> <li>■ Relocated MAP</li> <li>■ Extra car decoration weight allowance 25-75% of the rated load</li> </ul>

# KONE MonoSpace® R3

R3 Spring

## R3 Spring

### Ceiling

Aurora Nova  
Silicon Grey coated metal  
with fluorescent tubes

### Walls

Astoria Almond  
coated metal

### Floor

Dayton Grey rubber

## R3 Summer

### Ceiling

Alba Chromatica  
Silicon Grey coated metal  
with fluorescent tubes

### Walls

Greenville Grass coated  
metal

### Floor

Detroit Grey rubber

## R3 Autumn

### Ceiling

Eclipsis Globis  
Silicon Grey coated metal  
with fluorescent tubes

### Walls

Rockford Red coated metal

### Floor

Dallas Black rubber

## R3 Winter

### Ceiling

Eclipsis Globis  
Silicon Grey coated metal  
with fluorescent tubes

### Walls

Monterrey Silver  
coated metal

### Floor

Alexandria Blue rubber



R3 Summer



R3 Autumn



R3 Winter



# Simplicity and functionality for when cost effectiveness is key



7-segment  
Display

Dot matrix  
Display

## Signalization

The KONE MonoSpace® R3 is equipped with the KSS 420 signalization system. The car operating panel is made of durable Asturias Satin stainless steel.

## Car operating panel

- Dot matrix or 7-segment display
- Amber display and buttons
- Emergency light
- Optional Braille tags
- KONE remote monitoring

## Landing devices

- Surface-mounted landing devices are finished in Asturias Satin stainless steel
- Amber dot matrix or 7-segment display
- Optional Braille tags
- Adjustable gong
- Door or wall-mounted

## Mirror

Partial-height mirrors are available with black fixings.

## Handrail

The HR50 aluminium handrail can be placed on the rear and side walls with black fixings.




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## KONE MonoSpace R3 features and options

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- Loads: 320 to 1000 kg
- Speed: up to 1.0 m/s
- Max. travel: 35 m
- Max. no. of stops: 11
- KONE LH Shaft™
- KONE XL Car™
- Mix and Match
- EBD Emergency Battery Drive

# KONE MonoSpace® R5

R5 Spring

## R5 Spring

### Ceiling

Coeli Magica  
Asturias Satin stainless steel with white reflector and fluorescent tubes

### Walls

Oceanside Shell laminate

### Floor

Bianco Perla composite stone



R5 Summer



R5 Autumn



R5 Winter

## R5 Summer

### Ceiling

Coeli Magica  
Asturias Satin stainless steel with white reflector and fluorescent tubes

### Walls

Orlando Olive laminate

### Floor

Dayton Grey rubber

## R5 Autumn

### Ceiling

Astra Dulcinana  
Asturias Satin stainless steel with halogen spot lights

### Walls

Corsica Cherry wood laminate

### Floor

Dallas Black rubber

## R5 Winter

### Ceiling

Eclipsis Globis  
Asturias Satin stainless steel with fluorescent tubes

### Walls

Asturias Satin stainless steel

### Floor

Dallas Black rubber



## Take it to the next level with attractive visuals for residential applications



7-segment Display

Dot matrix Display

### Signalization

The KONE MonoSpace® R5 is available with KSS 470 signalization system with the KSS 420 as an option. The car operating panels are made of durable brushed stainless steel and are finished in Asturias Satin.

### Car operating panel

- Dot matrix or 7-segment display
- Amber display and buttons
- Emergency light
- Optional Braille tags
- KONE remote monitoring

### Landing devices

- Surface-mounted landing devices are finished in Asturias Satin stainless steel
- Amber dot matrix or 7-segment display
- Optional Braille tags
- Adjustable gong
- Door or wall-mounted



### Mirror

Partial or full-height mirrors are available with stainless steel fixings.

### Handrail

The HR51 and HR51TR stainless steel handrails can be placed on the rear and side walls with stainless steel fixings.



### KONE MonoSpace R5 features and options

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>■ Loads: 320 to 1000 kg</li> <li>■ Speed: up to 1.6 m/s</li> <li>■ Max. travel: 40 m</li> <li>■ Max. no. of stops: 16</li> </ul> | <ul style="list-style-type: none"> <li>■ KONE LH Shaft™</li> <li>■ KONE XL Car™</li> <li>■ Mix and Match</li> <li>■ EBD Emergency Battery Drive</li> </ul> | <ul style="list-style-type: none"> <li>■ KONE Deco wall decoration</li> <li>■ LED spot lights</li> <li>■ Visual Shaft Kit</li> <li>■ KES 600 in case of glass doors, full front or EN 81-72 fulfillment</li> </ul> |
|---|--|--|

# KONE MonoSpace® R7

R7 Spring

## R7 Spring

### Ceiling

Cyprus Sol  
Asturias Satin stainless steel  
with fluorescent tubes

### Walls

Combination of stainless  
steel mirrors and Asturias  
Satin stainless steel

### Floor

Bianco Perla composite  
stone

## R7 Summer

### Ceiling

Astra Dulciana  
Asturias Satin stainless steel  
with halogen spot lights

### Walls

Yellowstone Beech wood  
vener

### Floor

America Ciliegio wood

## R7 Autumn

### Ceiling

Astra Dulciana  
Asturias Satin stainless steel  
with halogen spot lights

### Walls

Tuscany Pear wood veneer

### Floor

Diorite Black composite  
stone

## R7 Winter

### Ceiling

Cyprus Sol  
Asturias Satin stainless steel  
with fluorescent tubes

### Walls

Combination of stainless  
steel mirrors and Asturias  
Satin stainless steel

### Floor

Diorite Black composite  
stone



R7 Summer



R7 Autumn



R7 Winter

# When looks really matter – and speed is of the essence



## Signalization

The KONE MonoSpace® R7 is equipped with the KSS 570 signalization system. The car operating panel can be finished in Asturias Satin or Murano Mirror stainless steel.

## Car operating panel

- KSC 573 with scrolling dot matrix (amber or white) or KSC 575 with black and white LCD display
- Surface-mounted round buttons
- Amber or white LED buttons
- KONE remote monitoring

## Landing devices

- Surface-mounted devices are finished in Asturias Satin stainless steel with side profiles. Flush mounted devices are finished in Asturias Satin stainless steel
- Amber or white scrolling dot matrix display
- Amber or white buttons
- Adjustable gong
- Mainly wall mounted

## Mirror

Partial and full height mirrors are available with stainless steel fixings. Optional full-height stainless steel mirrors can also be ordered .

## Handrail

The HR51, HR51TR, and HR53 stainless steel handrails, or the HR54 and HR55 wooden handrails, can be placed on the rear and side walls with stainless steel fixings.



## KONE MonoSpace R7 features and options

- Loads: 320 to 1000 kg
- Speed: up to 1.6 m/s
- Max. travel: 40 m
- Max. no. of stops: 16
- KONE LH Shaft™
- KONE XL Car™
- Mix and Match
- EBD Emergency Battery Drive
- KONE Deco wall decoration
- LED spot lights
- Visual Shaft Kit
- KONE Polaris DCS™
- Glass door
- Remote control key
- KES 600 in case of glass doors, full front or EN 81-72 fulfillment

# KONE MonoSpace® R9

R9 Spring

## R9 Spring

### Ceiling

Coelli Convexa  
Asturias Satin stainless steel with white curved reflector, fluorescent tubes and halogen spot lights

### Walls

Oceanside Shell laminate

### Floor

Bianco Perla composite stone

R9 Summer

## R9 Summer

### Ceiling

Iris Tranquilla  
Asturias Satin stainless steel with halogen spot lights

### Walls

Washington Cherry wood veneers

### Floor

America Ciliegio wood laminate

R9 Autumn

## R9 Autumn

### Ceiling

Sidera Splendida  
Asturias Satin stainless steel with fluorescent tubes

### Walls

Malaysia Mahogany wood veneers

### Floor

Diorite Black composite stone

R9 Winter

## R9 Winter

### Ceiling

Helix Serenita  
Murano Mirror stainless steel with fluorescent tubes

### Walls

Asturias Satin stainless steel

### Floor

Tucson Grey composite stone

# A fully customizable elevator that combines speed, power, and premium quality designs



## Signalization

The KONE MonoSpace® R9 is available with KSS 670 signalization system with the KSS 570 as an option. The car operating panel is finished in Asturias Satin or Murano Mirror stainless steel.

## Car operating panel

- Black and white LCD display
- Surface-mounted round and square stainless steel buttons
- KONE remote monitoring

## Landing devices

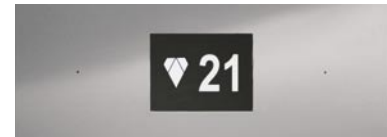
- Flush-mounted devices
- Asturias Satin or Murano Mirror stainless steel faceplate
- Black and white LCD display
- Adjustable gong

## Mirror

Partial and full height mirrors are available with stainless steel fixings. Optional full-height stainless steel mirrors can also be ordered.

## Handrail

The HR41, HR41R and HR41TR stainless steel handrails can be placed on the rear and side walls with stainless steel fixings.



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## KONE MonoSpace R9 features and options

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- Loads: 320 to 1150 kg
- Speed: up to 1.6 m/s
- Max. travel: 70 m
- Max. no. of stops: 24
- Mix and Match
- EBD Emergency Battery Drive
- LED spot lights
- Visual Shaft Kit
- KONE Polaris DCS™
- Glass door and glass walls
- Remote control key
- KES 600 mid duty landing door
- Deluxe car interior
- Relocated MAP
- Extra car decoration weight allowance 25-75% of the rated load



# Introducing KONE MonoSpace®

## R-series options:

### **Deco**

Enables you to further refine the ambiance of the elevator car with stylish wall decoration.

### **Mix and Match**

Allows you to combine elements from the different design ranges by Mixing and Matching.

### **KONE Polaris™ low-rise destination control system**

Provides an extra level of passenger convenience and increases the prestige of your building.

### **KONE LH Shaft™**

Saves space at the top of the shaft by reducing the required headroom.

### **KONE XL Car™**

Enables a larger car to be fitted into a standard-sized shaft, increasing the rated load and passenger comfort.

<b>Feature</b>	<b>Benefit</b>
LED spot lights	Low heat emissions and long service life increase passenger comfort and reduce maintenance requirements. It lasts up to 10 times longer and reduces energy consumption up to 80% when compared to halogen spot lights.
Curtain of light (COL)	Increases the safety of passengers, especially children and the elderly.
Corridor illumination control (CIC)	Illuminates the corridor when passengers leave the car, enhancing comfort and security.
Locking of car calls (LOC)	Specific floors can be locked to avoid unauthorized people accessing specific parts of the building.
Maintenance Access Panel (MAP) at top most floor –1	Eliminates the need for maintenance activity on the penthouse floor level.
Parking at pre-defined floor (PAD) or Parking at main floor (PAM)	When returning to the building in the evening, the car can be ordered to park automatically at the lowest floor or in the garage level.
Operating car light (OCL A)	The car light is automatically switched off when the elevator is not in use.

## Deco option

### The KONE Deco™ option – a unique passenger experience

KONE Deco is a new concept that provides added beauty and character to your elevator car. On the back wall of the car, you can choose from a range of factory-fitted pictures. KONE Deco enables you to further influence the ambience of the car and provide a specific kind of passenger experience. The Deco option is available for KONE MonoSpace® R5 and R7 elevators.





## Mix and Match

### **Mix and Match** – an extra level of choice

If none of the four pre-designed seasonal interiors quite match the feel that you're looking for, an additional level of choice is available that enables you to replace elements of the pre-designed interiors with alternatives from the range. Please refer to the catalog enclosed in the back cover to see the selection of ceilings, walls, doors, mirrors, and other accessories that you can choose from.



## Deluxe option

### **The KONE Deluxe option – building and elevator in perfect harmony**

When you are looking for a highly personalized elevator interior, and none of our standard solutions quite match your requirements, the Deluxe option allows you to freely design your wall and floor surface material. This way, the walls and floors of the elevator car can, for example, exactly match the walls and floors of the landings or lobby. Because of the potential extra weight in the car, the Deluxe option is only available with the more powerful KONE MonoSpace® R9 elevators.



*The pictures show examples of designer car interiors that have been specially designed by KONE using the Deluxe option.*





























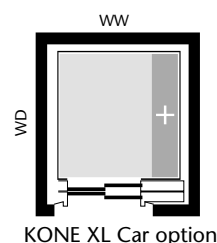
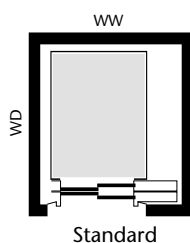
# Two new space-optimization solutions

The KONE MonoSpace® R-series features two additional space-saving options, designed to maximize the effectiveness and efficiency of your solution.

## Added capacity from the same space

Through innovative redesigning and repositioning of shaft components, the KONE XL Car™ option (available for KONE MonoSpace R3 - R5 - R7) enables the fitting of a larger car into a standard shaft. This highly efficient solution creates more capacity in the same space by increasing the rated load of cars operating in a standard shaft by one to five persons. The same design principles also allow a standard car to fit into a smaller shaft.

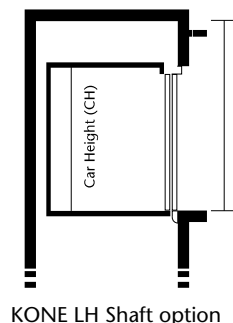
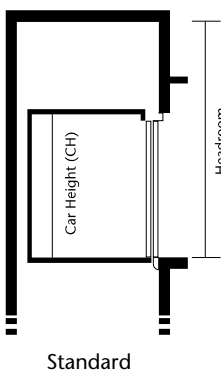
Shaft dimensions WWxWD mm	Car capacity		Benefit*
	Standard Persons/load kg	KONE XL Car™ Persons/load kg	
1350 x 1500	4/320 	5/400 	+ 1 person
1400 x 1400	4/320 	5/400 	+ 1 person
1350 x 1600	5/400 	6/480 	+ 1 person
1500 x 1500	5/400 	6/480 	+ 1 person
1650 x 1600	6/450 	8/630 	+ 2 persons
1650 x 1700	6/480 	9/800 	+ 3 persons
1650 x 1650	6/480 	9/800 	+ 3 persons
1800 x 1700	8/630 	10/800 	+ 2 persons
2000 x 1700	8/630 	13/1000 	+ 5 persons
1900 x 1800	10/800 	12/900 	+ 2 persons
2000 x 1800	10/800 	13/1000 	+ 3 persons
2000 x 1850	12/900 	13/1000 	+ 1 person
2000 x 1910	12/900 	13/1000 	+ 1 person



\*The above dimensions are examples, more solutions for different shaft sizes are available. Please ask your local KONE Sales Office for detailed information.

## Low headroom

The KONE LH Shaft™ option for R3, R5 and R7 (630 and 1000 kg loads) reduces the headroom needed in the shaft to 2600 mm, freeing up even more space at the top of the building and increasing architectural freedom.





### **KONE Visual Shaft Kit**

Glass has become an increasingly important component in the facades of modern buildings. When combined with glass elevator shafts, architects can provide passengers with a new kind of scenic elevator experience.

One drawback of glass shafts, however, is that the elevator car's exterior, the appearance of which is not always very appealing, is on full display.

KONE Visual Shaft Kit is a modular solution consisting of cladding and specially painted components that have been developed to enhance the appearance of cars that run in glass shafts.

Whether you have a complete glass shaft or just one glass wall, you can choose the elements of the pack that maximize the appearance and value of your building.

## KONE Polaris™

KONE Polaris is the first destination control system adapted specifically for low to mid-rise buildings. When entering the building, residents select their destination floor at user-friendly destination operating panels (DOPs) in the lobby, rather than in the car. This not only saves time but increases comfort and convenience – particularly if the car is crowded. All other floors are equipped with conventional landing call buttons.



KONE Polaris complements the KONE MonoSpace® R-series elevators beautifully, creating a high-tech image and adding style and value to your building.





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## KONE at the heart of your building

KONE is a global leader in providing complete and innovative solutions for the design, installation, modernization and maintenance of elevators and escalators and the maintenance of automatic building doors. Our 28,000 dedicated employees serve you in 49 countries.

KONE solutions and services are designed to provide a performance edge to our customers. By cooperating closely with you from the earliest planning stages of a project, we can determine the best means of ensuring the smooth flow of people and goods throughout your facilities during their entire lifetime.

KONE's space- and energy-saving machine-room-less, counterweight-less and double-decker elevator solutions are among the most innovative in the industry. Our modern escalator solutions offer absolute reliability and cost effectiveness. Our remote monitoring and modular modernization services allow for a proactive approach to maintenance and upgrades of your equipment. Life-cycle thinking underlies our commitment to reliable service and modernization solutions that meet today's higher design, safety, comfort, and performance standards.

KONE solutions can be found around the corner as well as in many prominent buildings around the world such as the Trump Tower in Chicago, Swiss Re and Broadgate Tower in London, National Grand Theatre in Beijing and the National Bank of Abu Dhabi. KONE is also the shipping world's preferred partner for on-board vertical flow management of people and goods.