

Dedicated to People Flow™



C-SERIES & R-SERIES

KONE MonoSpace® Exclusive

KONE environmentally friendly, space saving and award winning elevators

In 1996, KONE changed the industry forever by introducing the KONE MonoSpace® the first machine-room-less elevator on the market. One of the main features of the KONE MonoSpace is its patented KONE EcoDisc® drive; this advanced environmentally friendly drive was developed in a larger form for the KONE MiniSpace® machine-room-dependent elevator range.

Your choice of elevator platform will be dependent on speed, capacity and stops and if needed a KONE specialist will help you with your choice. We can help you analyse the transportation requirements in each project and recommend the ideal elevator system.

Once you have chosen your elevator platform, KONE can offer you several alternatives. The KONE MonoSpace Exclusive platform can serve up to 36 stops and transport up to 2000 kg (26 persons), at a speed of up to 2.5 m/s* and the KONE MiniSpace platform serving up to 63 stops and transport up to 2000 kg (26 persons), at a speed of up to 4.0 m/s*

For more details on the range and specifications, please refer to the KONE MonoSpace Exclusive Design Collection.

Substantial cost savings

Elevators using KONE EcoDisc drives use less space, allowing you to financially gain from more available floor space. They also save construction time, materials and costs. Their streamlined delivery process and efficient installation methods ensure that elevators do not bottleneck construction activity.

Award-winning technology

KONE MonoSpace and its EcoDisc drive has won numerous prestigious awards worldwide for its energy and space efficiency. For more information, visit www.kone.co.uk.

Impressive customer testimonials

KONE MonoSpace has not only been praised on paper. Over 200,000 elevators have been installed – transporting millions of people every day and proving their reliability during years of operation.

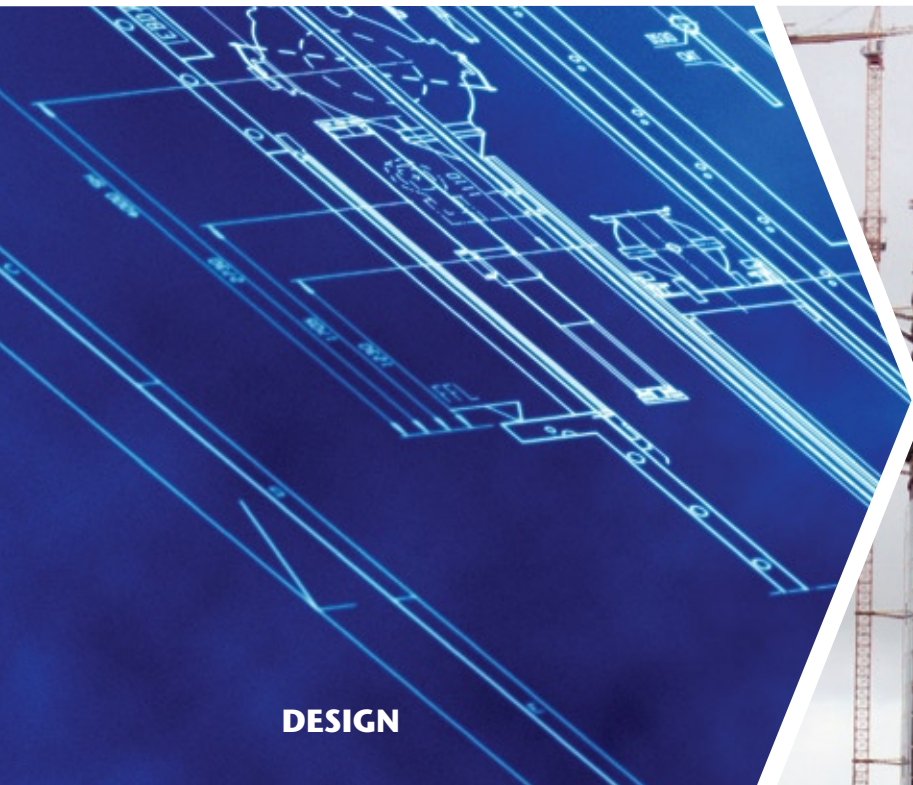
MonoSpace Exclusive range

- Designed for Commercial and Public access environments
- KONE MonoSpace & KONE MiniSpace platforms
- Energy efficient and space saving KONE EcoDisc drives
- Wide range of visual design options
- Accessibility, security and traffic handling options
- Fast installation process.

* Please refer to table on page 7.



From start to finish



DESIGN



BUILD

Easy to design

We can help you in designing your building and choosing the right elevator and escalator solutions. KONE ready-designed solutions meet the requirements of any type of building – in the big picture and the small details. A ready designed solution simplifies the choice of elevator and shortens the delivery time, while providing the platforms, designs and features you need. Together with simplified choice, KONE also provides you with the freedom to customise the solution to meet your particular requirements.

Special design

In more demanding projects we can supply comprehensive people flow systems, starting with thorough simulation and analysis to determine the optimum flow of people. With our world-class experts and simulation tools, we study the traffic in these complex environments while the building is still on the drawing board. KONE's comprehensive traffic analysis and simulation provide you with the optimum solution in

all traffic situations. You get the ideal number of elevators and escalators, with each one working efficiently. KONE can also provide you with detailed evacuation studies for different emergency situations. For smaller projects, ask about our quick traffic analysis – we have long experience in this.

Fast and effective

KONE understand that developers need to start getting a return on investment as soon as possible and we have gained a reputation of delivery on time even when construction schedules are very tight.

KONE attribute this success to the ability of our experienced Project Managers and detailed processes and installation methods that we have perfected for KONE MonoSpace Exclusive and KONE MiniSpace elevators.

When you choose a KONE elevator you will benefit from a dedicated Project Manager responsible for the entire project.

Project management

When you commission KONE to supply a KONE MonoSpace® Exclusive elevator we not only supply the equipment but, more importantly, the experienced project management to ensure your project goes smoothly to time and on budget.

- Dedicated project manager responsible for the entire project
- Project focused sales engineers
- Provision of detailed project specific drawings
- Detailed and proven process driven approach

On site benefits with KONE Project Management

- High levels of installation efficiency
- Thorough product testing before handover
- Proven on site processes that greatly enhance safety
- Proven record of 'on time' completion



Choose your KONE solution

It takes a lot of experience to make elevator selection this fast and flexible. Start with your building's specifications and people flow requirements to select the platform. Choose the car interior design that creates the ideal ambiance for your building. Then select additional options to suit the specific requirements of your building.

Step 1

Capacity

The right elevator solution is defined by your building specifications and transportation needs. These define the group size and elevator platform together with the capacity of the elevators.



Step 2

Interior

To meet the design standards of buildings, KONE offer a wide range of KONE Design Collection interiors to provide the best possible solution for any building or budget.



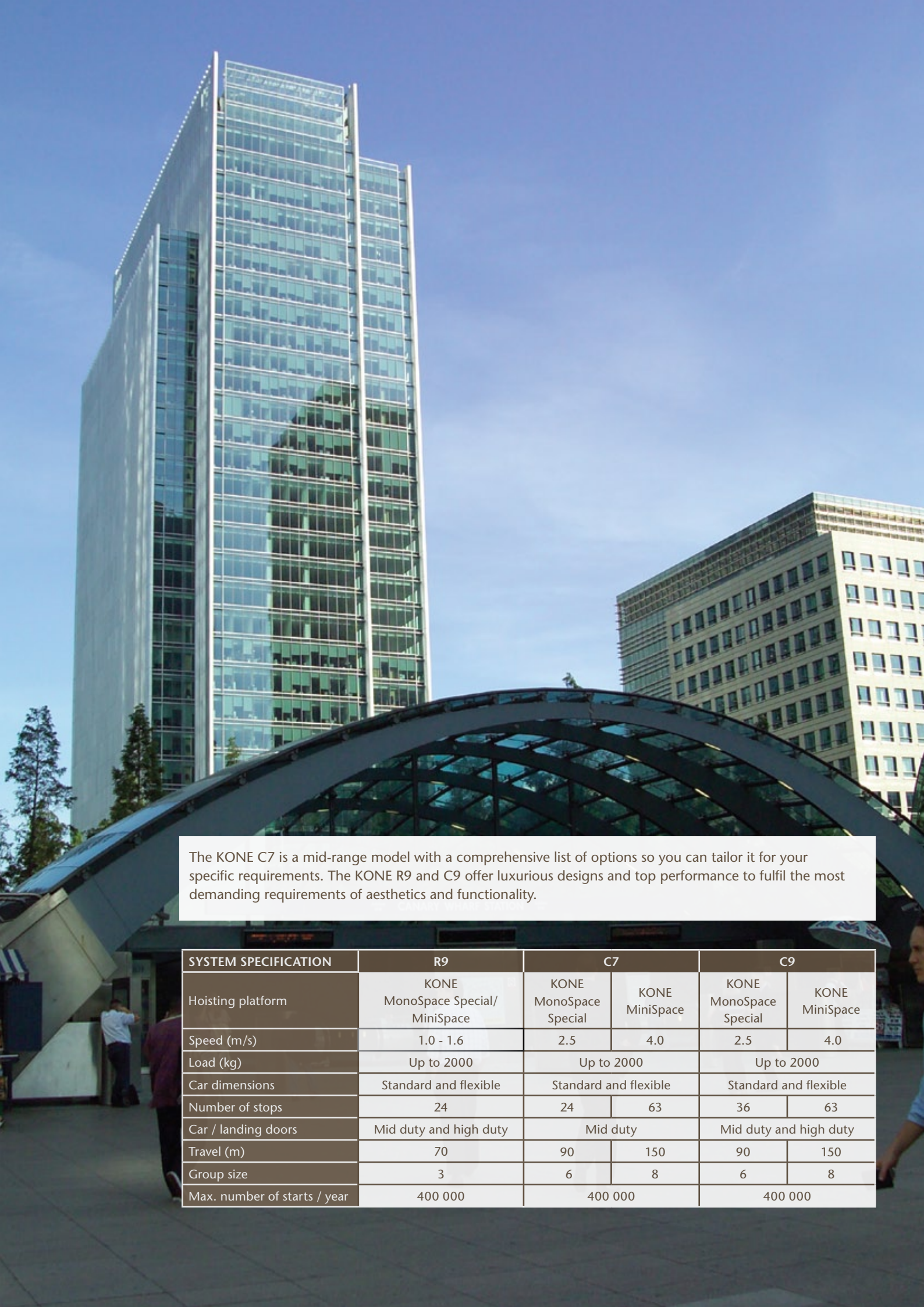
Step 3

Options and accessories

Options and accessories optimise the chosen solution to application-specific needs and maximise performance. You can refine the system with selected features such as Accessibility, Eco-efficiency or Security.

The KONE C-series and R-series can be built to comply with the European standard EN81-70 relating to disabled access and can additionally be specified to comply with fire-related standards EN81-72 and EN81-73.





The KONE C7 is a mid-range model with a comprehensive list of options so you can tailor it for your specific requirements. The KONE R9 and C9 offer luxurious designs and top performance to fulfil the most demanding requirements of aesthetics and functionality.

SYSTEM SPECIFICATION	R9	C7		C9	
Hoisting platform	KONE MonoSpace Special/ MiniSpace	KONE MonoSpace Special	KONE MiniSpace	KONE MonoSpace Special	KONE MiniSpace
Speed (m/s)	1.0 - 1.6	2.5	4.0	2.5	4.0
Load (kg)	Up to 2000	Up to 2000		Up to 2000	
Car dimensions	Standard and flexible	Standard and flexible		Standard and flexible	
Number of stops	24	24	63	36	63
Car / landing doors	Mid duty and high duty	Mid duty		Mid duty and high duty	
Travel (m)	70	90	150	90	150
Group size	3	6	8	6	8
Max. number of starts / year	400 000	400 000		400 000	

KONE raises eco-efficiency to new heights

How much can you save by selecting right?

KONE C and R-series elevators can reduce the total energy consumption of the elevator by as much as two-thirds or even more. For example, a KONE C and R-series elevator, with the KONE MonoSpace™ platform and the KONE EcoDisc® drive, uses a total of about 6900 kWh of electricity a year – about half as much as a DC gearless elevator and one-third as much as a geared AC elevator. With additional energy-saving features, this energy consumption can be reduced further still.

Regenerative drive

When the car is going down with a heavy load, it contains potential energy. The regenerative drive recovers this energy. It can save up to 25% of the energy consumed by a typical 14 person KONE MonoSpace elevator.

Put to sleep when not in use

In today's elevators, lights, signalisation and ventilation can consume a considerable amount of electricity even when the elevator is not moving. KONE energy-efficient options supervise elevator usage and set the devices to sleep mode during inactive periods to minimise total energy consumption.

Eco-efficient car lighting

To save energy used for car lighting halogen lights have been replaced by LED spot lights. LED lights consume 80% less electricity than halogen lights and last up to 10 times longer. Modern fluorescent light technology is also available for KONE C and R-series elevators.

A green hoisting system

The KONE EcoDisc hoisting machine made DC gearless and energy-hungry geared hoisting machines obsolete. The KONE EcoDisc permanent magnet synchronous machine, together with a vector controlled drive system and regenerative options, provides the highest total efficiency and minimises both mechanical and electrical losses.

KONE Destination Control System saves time and energy.

The KONE Destination Control System saves energy by optimising passenger traffic flow. The system selects a chosen elevator car for travel determined by passenger destination, grouping passengers together when they select the same floor. Energy saving benefits are achieved from the reduction of intermediate stops.

The high-performance KONE MonoSpace platform, with a small machine room, is also powered by the energy-efficient KONE EcoDisc hoisting machine. It can be equipped with all of these eco-efficient options.



KONE EcoDisc regenerates electricity

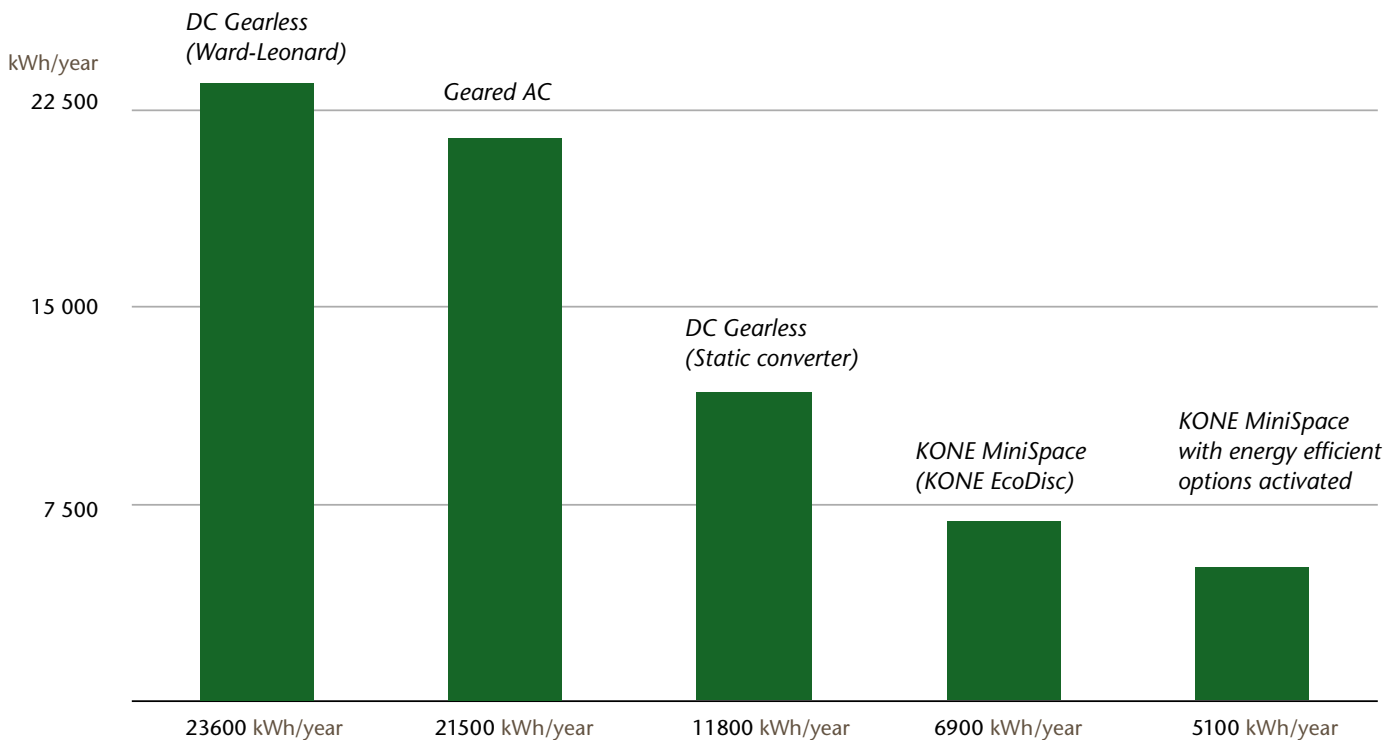
KONE EcoDisc, together with a regenerative drive option, works as a generator when a heavy car is returned to ground floor or empty car going up. Instead of turning the braking energy to heat, the electricity is fed back into the network.

It's not only the motor that consumes electricity

The energy needed for lighting and hoisting can be reduced by using LED lights and regenerative drive options. The potential savings can amount from 600 to 1500 kWh using LED lights and stand-by operation.

Average Energy Consumption

This bar chart indicates how the KONE EcoDisc technology has revolutionised the energy efficiency of elevators.





KONE – the customer's choice

The value of your building depends on the impression it gives passengers. The elevator plays an important role in this.

KONE's wide selection of designs and materials enables you to easily find the right car interior ambience to match your building's style.

The KONE FourSeasons™ car interior family for KONE MonoSpace® Exclusive elevators represent the four seasons of Spring, Summer, Autumn and Winter. You can achieve the desired mood for your car interior by selecting from a designer's collection of complete car interior design solutions. You also have the freedom to mix and match the components in order to create thousands of combinations.

KONE can also provide custom-made interiors to meet your unique design requirements. Contact KONE for assistance with your choice.



Out of sight, out of mind - safe & speedy installation

Out of your sight and out of your way

The absence of a machine-room not only saves construction costs, it also improves installation speed and efficiency. An additional benefit during construction is that disruption to critical paths by our installation teams and equipment are kept to an absolute minimum. Improving the installation process has been an integral part of the development of the KONE MonoSpace®.

No need for crane or scaffolding

Installation efficiency is ensured by a unique scaffold-free installation system that offers an unrivalled degree of time-saving, safety and flexibility and avoids crane. It also minimises disruption to other trades, as most of the work is done inside the well.

Dedicated tools and instruments

State-of-the-art tools are used for measurement and adjustments to ensure not only smooth and efficient installation, but also for a smooth and quiet ride.

Efficient project management

A KONE Project Supervisor will handle the co-ordination of the entire installation process from beginning to end, ensuring completion on time and within budget.

Interruption-free installation

To ensure smooth and interruption-free operation for both parties, KONE has established the Site Essentials, a mutual agreement and check list for readiness.