

KONE LIFTS FOR RESIDENTIAL BUILDINGS

YOUR TRUSTED LIFT PARTNER FOR RESIDENTIAL BUILDINGS

With over 100 years of experience in the lift and escalator business, KONE is your trusted partner dedicated to ensuring smooth People Flow® in your building. We revolutionised the industry in 1996 with the world's first machine room-less lift – the KONE MonoSpace® – and the energy-efficient KONE EcoDisc® hoisting machine. Our proven track record, including half a million KONE EcoDisc installations worldwide, speaks for itself.

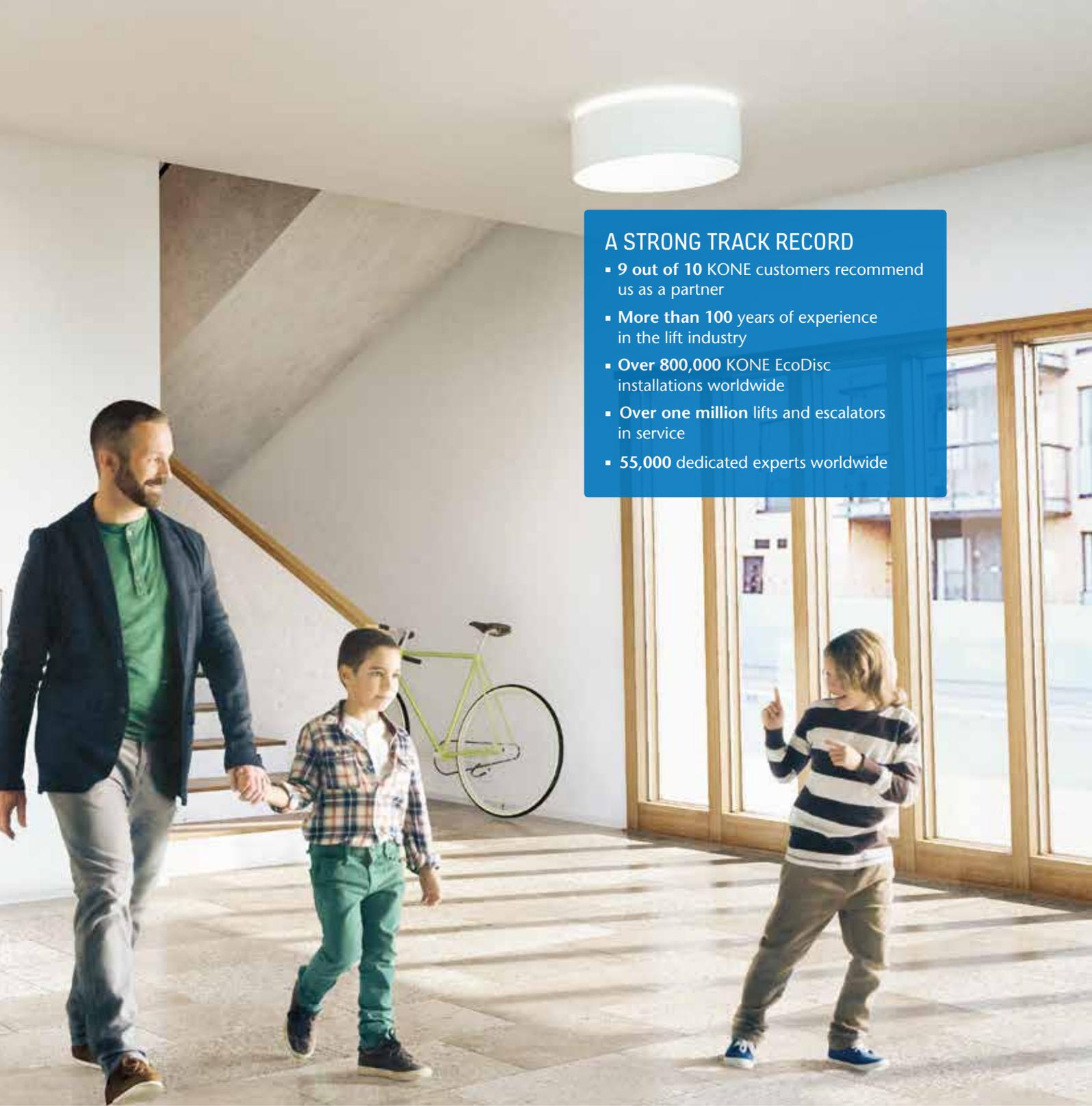
We have listened to our customers and carefully analysed each and every part of our industry-leading lift solution, and renewed it from top to bottom. Everything we did best, we've made even better.



3 REASONS TO CHOOSE KONE

1 EXCELLENT ECO-EFFICIENCY THAT CUTS THE CARBON FOOTPRINT OF YOUR BUILDING

- Constant improvement of lift energy efficiency with the KONE EcoDisc, centralised hoisting, and advanced standby solutions.
- A-class energy classification



A STRONG TRACK RECORD

- 9 out of 10 KONE customers recommend us as a partner
- More than 100 years of experience in the lift industry
- Over 800,000 KONE EcoDisc installations worldwide
- Over one million lifts and escalators in service
- 55,000 dedicated experts worldwide

2 SMOOTH RIDE-COMFORT FOR THE BEST POSSIBLE PASSENGER EXPERIENCE

Quality guaranteed through ride-comfort testing of all lifts before handover – a service unique to KONE

Quiet and smooth operation, and accurate levelling enabled by:

- The renewed KONE EcoDisc hoisting machine, brakes, and centralised hoisting
- An improved car structure and sound-isolated guide shoes

3 AWARD-WINNING DESIGN THAT HELPS YOUR BUILDING STAND OUT

Easy selection of car interiors from a collection of functional and visually appealing designs created by KONE's award-winning design professionals

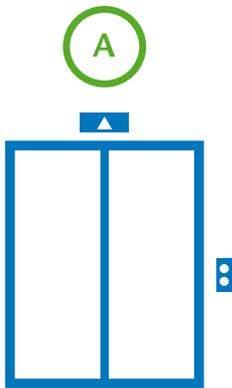
The industry's most flexible and versatile offering, with over 100 materials and accessories, offering millions of possible combinations

The most innovative materials and lighting solutions

EXCELLENT ECO-EFFICIENCY

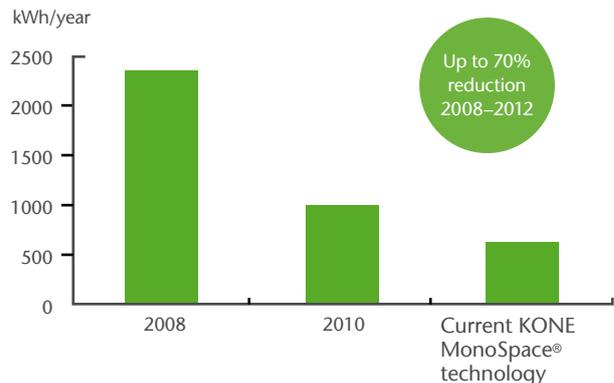
THAT CUTS YOUR BUILDING'S CARBON FOOTPRINT

At KONE we have always been renowned for our revolutionary eco-efficient technology. KONE has constantly improved the energy efficiency of its lifts – up to 70% since 2008.



- Our reference lifts were the first in the industry to receive an A-class energy rating according to the VDI 4707 guideline.
- KONE was the first company to announce the A-class energy efficiency certification according to ISO 25745-2 for its customer reference cases.
- Installing an eco-efficient KONE lift solution can also help in achieving green building accreditations such as LEED or BREEAM certification.

KONE lift energy consumption



The basis for the calculation is a lift speed of 1 m/s, a load of 630 kg, 150,000 starts/year, a travel height of 9 m and 4 floors

SAVE ENERGY, SAVE SPACE

As well offering excellent energy efficiency, because the renewed KONE MonoSpace is now even more compact it also helps you save valuable space.

- The highly compact elevator equipment – including the KONE EcoDisc hoisting machine and other mechanical structures – now requires even less height and width in the shaft.
- This frees up valuable floor space or allows for a more spacious, higher-capacity car.
- When replacing an existing lift, the new KONE MonoSpace eliminates the need for a machine room and maximises lift capacity within the existing shaft dimensions.

1 More efficient hoisting machinery

The completely renewed KONE EcoDisc® hoisting motor and highly efficient drive system delivers even better energy efficiency, helping to reduce both operating costs and your building's carbon footprint.

2 Eco-efficient regenerative drive

Our latest regenerative drive recycles energy for immediate reuse within the building and cuts consumption by up to 20%.

3 Long-lasting LED lighting

As well as being up to 80% more efficient than halogen lighting, LED lighting also lasts up to 10 times longer.

4 More advanced standby solutions

Upgraded standby solutions power down the equipment when it is not in use, providing substantial energy savings.

SMOOTH RIDE COMFORT

FOR THE BEST POSSIBLE PASSENGER EXPERIENCE

Every aspect of the upgraded KONE MonoSpace® is designed to add real value to your building and maximise comfort, safety, and convenience for passengers. The renewed KONE EcoDisc® hoisting machine is complemented by a wide range of other upgrades that are designed to deliver industry-leading ride comfort year after year.

1 Renewed machinery and brakes

- The new, highly reliable motor control system further improves ride comfort, with smooth acceleration and deceleration, and highly accurate car levelling.
- The renewed braking system ensures a comfortable, safe, quiet ride, while also minimising noise transfer to the surrounding areas.
- The new brake test functionality automatically checks brake condition daily. This helps to further improve safety and reliability.

2 Redesigned hoisting system for minimised vibration and noise

- Centralised, low-friction hoisting cuts noise and vibration, improving comfort for passengers and minimising disturbance to the surrounding areas.

3 Improved car structure for a more comfortable ride

- The rigid structure and noise isolation of the renewed lift car ensure a smooth and comfortable ride.
- New isolated guide shoes, constructed using low-noise sliding material, further help to reduce noise.

ALL LIFTS TESTED FOR RIDE COMFORT – A SERVICE UNIQUE TO KONE

- KONE provides a comprehensive ride comfort testing service as standard for all its lift installations.
- Your lift will not be handed over for use before it passes this test, which measures noise and vibration levels inside the car.
- This thorough quality and reliability testing prior to handover further reduces the need for unplanned maintenance callouts.



AWARD-WINNING DESIGN

THAT HELPS YOUR BUILDING STAND OUT

WHAT SETS KONE DESIGN APART

1 Easy selection of car interiors

A collection of 52 functional and visually appealing designs created by KONE's award-winning design professionals.

2 The most flexible and versatile offering

100 different materials and accessories that can be combined freely and used in all lift products, for both new buildings and modernisation projects.

3 The most innovative materials

The combination of unique textured, patterned, and 3D-effect wall materials with novel lighting solutions creates a stunning visual effect.

4 Award-winning design

KONE's lift and signalisation design concepts have received both Red Dot and Good Design awards.





KONE DESIGN COLLECTION

When you're designing a building that people will call home, the lift you choose should complement your building's look and feel, create a lasting impression on passengers, and make your building attractive to potential residents. Your lift also needs to be functional – it should be accessible for all, well lit, user-friendly, easy to clean, and resistant to wear and tear.

The new KONE Design Collection – created by our award-winning design team – offers you a versatile set of contemporary, themed interiors to choose from.

You can also create your own unique look and feel by mixing and matching our wide range of materials and accessories.

For more design inspiration take a look at the complete KONE Design Collection and use the KONE Car Designer tool together with a KONE sales representative.



reddot design award
winner 2012

2 Good Design awards
4 Red Dot design awards

ACCESSORIES DESIGNED TO IMPROVE USER EXPERIENCE IN RESIDENTIAL BUILDINGS

Our wide range of signalisations are designed to give passengers a great lift experience with every trip. As well as adding the finishing touches to your lift's interior, they make using the lift even easier and more convenient for passengers.

1. Car operating panel with memorable animal patterns to help children find their floor.
2. Designed for senior housing, this car operating panel uses clear, highly visible numbers.
3. Our new KSS 280 signalisation series for residential buildings is durable and easy to use.
4. KONE InfoScreen makes it easy to communicate important building information to residents.



1.



2.



3.



4.

SUPPORTING YOU EVERY STEP OF THE WAY

Choose a partner with over a century of experience in delivering pioneering lift solutions. Get expert advice from professionals and enjoy the peace of mind that comes with comprehensive support. KONE is with you every step of the way – from planning and design through installation and maintenance to modernisation – for the entire life cycle of your building.



1 Expert design and planning services

- Expert planning advice helps you specify the optimal lift solution for your building requirements.
- Easy-to-use online design tools save you time and effort during the design process by allowing you to create CAD drawings, 3D BIM models, and custom car interiors.
- Energy consumption calculations for every individual lift solution.

2 Safe and efficient installation

- Highly efficient scaffoldless installation methods and a simple building interface result in considerable cost savings for our customers and minimise disruptions to other construction work.
- Strict quality criteria for each phase of installation ensuring “first time right every time”.
- Continuous training, site audits, installation safety passports, and proven methods ensure maximum site safety.
- Eco-efficient installation processes maximise waste recycling and minimise the use of solvents.

3 Quality assurance at hand over and professional maintenance

- We are the only company to provide in-depth ride quality testing of each lift before handover.
- Our lifts are known for their reliability, and have an average availability rate of 99%.
- Our global spares center stocks over 150,000 parts and offers 24-hour delivery for the most commonly requested parts.
- Preventive KONE Care® maintenance solutions – including a comprehensive online service-reporting system – make it easier to monitor and budget for lifts, escalators and doors maintenance.

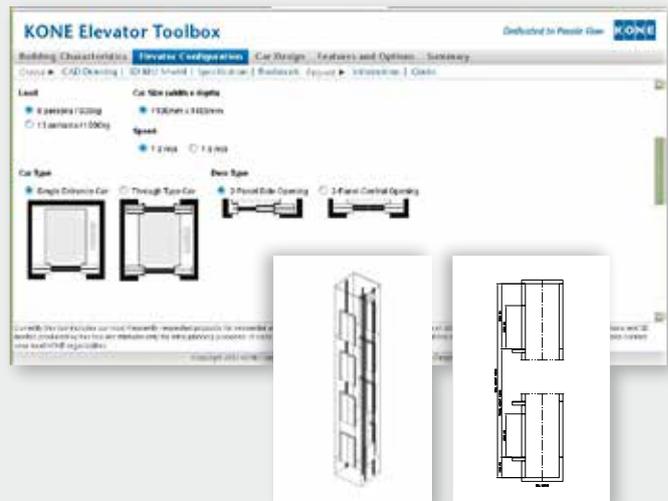
WORLD-CLASS DESIGN TOOLS

Take advantage of our easy-to-use tools for planning your lifts and designing a car that will fit your building's look and feel perfectly.

KONE Elevator Toolbox – now including BIM models

- With the KONE Elevator Toolbox you can create a detailed lift specification online and create customised CAD drawings for preliminary planning.
- KONE Building Information Modeling (BIM) models make it easier and quicker for architects to prepare digital lift designs. Included in the elevator toolbox, these models are compatible with the most common project documentation systems and include the latest KONE lift specifications. Once your lift design is ready, you can send the specifications direct to a KONE sales representative ready for tendering or ordering.

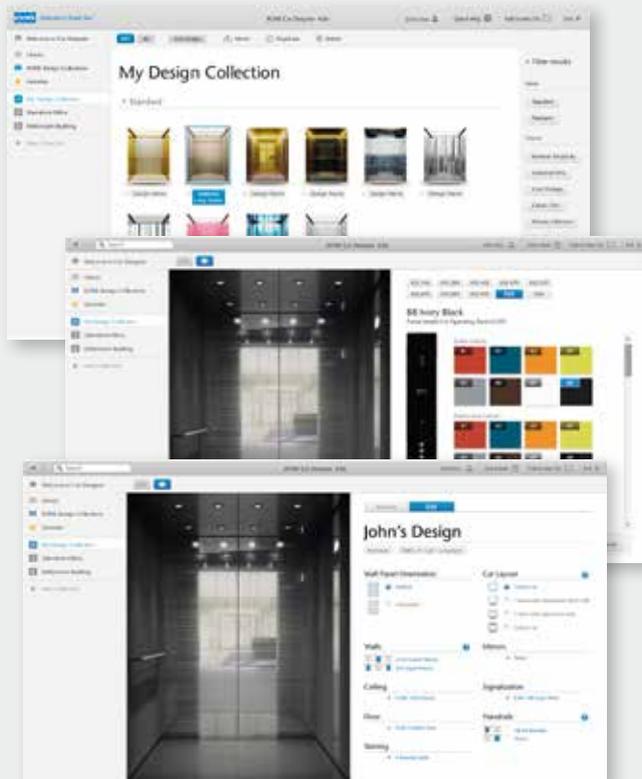
www.kone.co.uk/tools-downloads



KONE Car Designer – including new designs, materials, and accessories

- Create your own virtual lift interior design online or together with a KONE sales representative with the KONE Car Designer.
- Choose a theme from the KONE Design Collection, or mix and match your choice of materials, lighting, and accessories to create a totally new look.
- Save your design as a printable PDF and send a link to a colleague or to a KONE sales representative.

www.kone.co.uk/tools-downloads





NO COMPROMISES ON SAFETY

When you choose KONE, you choose peace of mind. Safety is the starting point for every KONE solution, and all our solutions include the latest innovations in safety technology as standard.

Our KONE MonoSpace® lift solution includes a wide range of features that are designed to both maximise safety for passengers and make it easy for you to inspect the condition of your equipment to ensure that it operates safely at all times.



- Daily **automatic brake testing**
- **Proven rope technology** that is easy to inspect
- A curtain of light to ensure **safe entry and exit**
- **Accurate landing** that eliminates risk of tripping
- A door opening button for **door control** when the lift is stopped
- A 2-way communication system for **instant, 24/7 contact with KONE Customer Care Centre** in case of an emergency

KONE also demonstrates its strong commitment to safety by working closely with the people who rely on our products to provide a safe, comfortable experience in their daily lives. Our safety events and communication material give people the opportunity to familiarise themselves with how lifts operate and how to use an lift safely.

KONE provides innovative and eco-efficient solutions for lifts, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way: from design, manufacturing and installation to maintenance and modernisation. KONE is a global leader in managing the smooth flow of people and goods throughout buildings.

This makes us a reliable partner throughout the life cycle of buildings. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE NanoSpace™ and KONE UltraRope®.

KONE employs over 55,000 dedicated experts to serve you globally and locally.

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