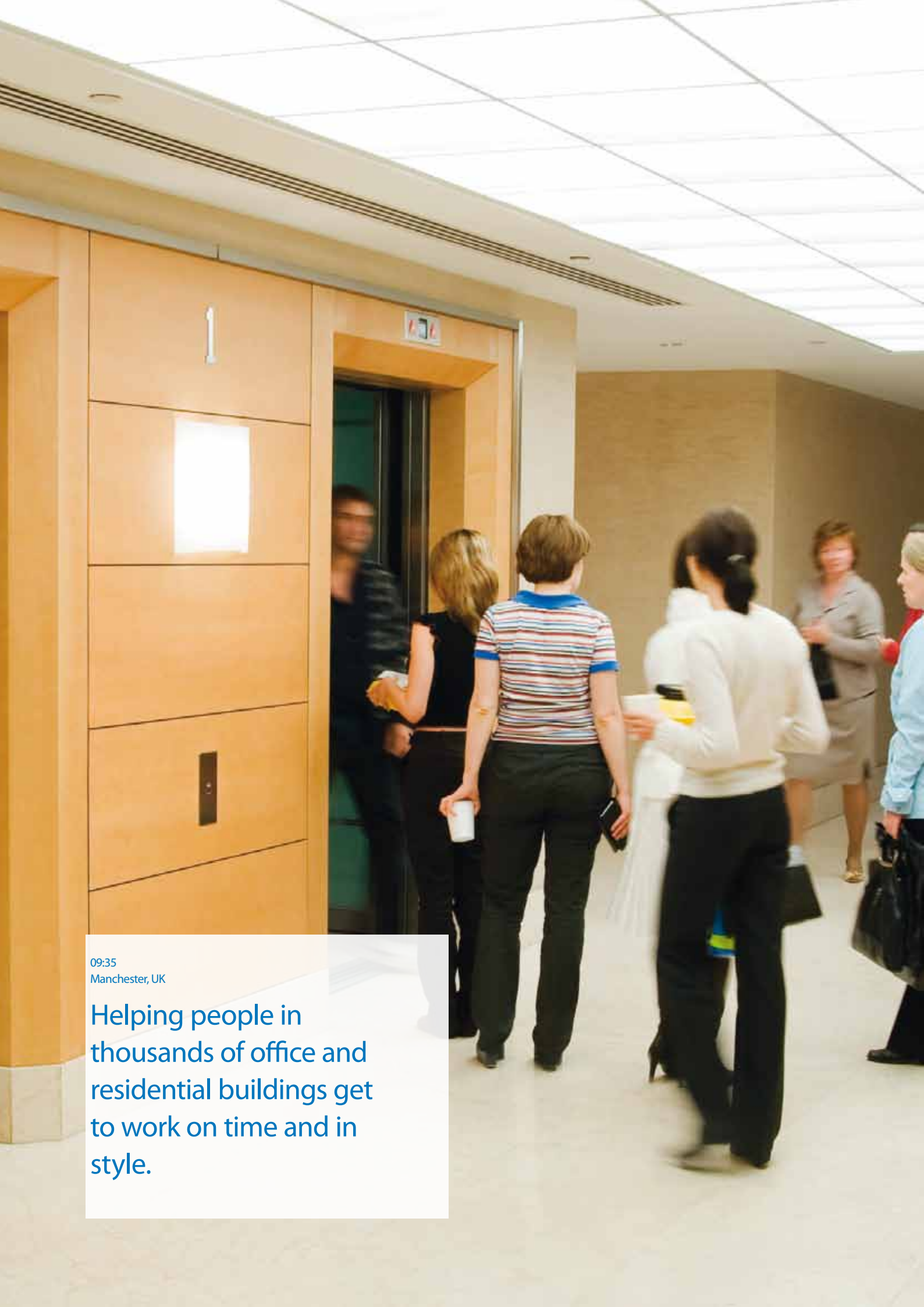


*Dedicated to People Flow™*



A NEW START FOR YOUR ELEVATOR

# KONE RePlace™ full elevator replacement



09:35  
Manchester, UK

Helping people in  
thousands of office and  
residential buildings get  
to work on time and in  
style.

# Is it time to RePlace your elevator?

Sooner or later, an elevator, like any mechanical equipment, reaches the end of its lifecycle. After 25 or 30 years of daily operation, starting about 100,000 times a year, it may need to be replaced.

Is it frequently out of order? Have regulations changed and cannot be met with minor repairs? Is it difficult to enter when you are pushing a pram or carrying shopping bags? Does it consume more electricity than a modern solution? Do residents feel that its appearance detracts from the value of the building?

## **Invest in the future of your building**

If this sounds like the elevator in your building, it may be time to renew it entirely. KONE RePlace™ solutions are an investment in the value of your building.

A new KONE elevator is safe and accessible for tenants of all ages.

- It reduces repair and energy costs
- Its aesthetic design can match the architecture of old and new buildings
- It increases the value of your building
- It takes a few weeks to install and will operate reliably for decades

## **Which solution is right for you?**

Before you begin, it makes sense to examine the condition of your elevator. KONE will carry out a site consultation to determine the condition of your elevator. Based on this assessment, KONE can recommend a suitable full replacement solution for your elevator. The KONE RePlace package includes the following benefits.

- Removal of your existing elevator
- Builders work items
- Principal contractor under CDM

Depending on the condition of your elevator and building, KONE can provide you with two options within the KONE RePlace offering. With the full KONE RePlace package, all of the equipment, including the landing doors, is replaced. This gives you an elevator that is completely new from top to bottom. If the existing doors of your elevator are in good condition, you can keep them to reduce investment and downtime.

# Elevator replacement solutions for residential and commercial buildings.

KONE RePlace™ solutions are based on two elevator platforms that have been customised to fit flexibly into the narrow shafts in existing buildings.

KONE MaxiSpace™ is ideal for residential buildings where space is limited. It enables you to increase the size of the elevator car by as much as 50% using the original elevator shaft. KONE MonoSpace® is particularly useful in higher-volume applications, such as small offices and hotels. It can reduce electricity consumption by thousands of kilowatt hours a year.

## Safer and more accessible

Whichever application you choose, KONE RePlace solutions improve safety, accessibility, performance and visual appearance. A new electrification system ensures reliable operation, a smooth ride and accurate floor leveling. Automatic doors in the elevator car improve safety and open wide to increase accessibility. KONE RePlace complies with EN81-80 safety codes. For the passenger's peace of mind, the KONE RePlace solution is equipped with the KONE Remote Monitoring Voice Link™, a two-way communication system in the car that provides an immediate connection with a KONE Customer Care Centre™.



## KONE RePlace™ solutions

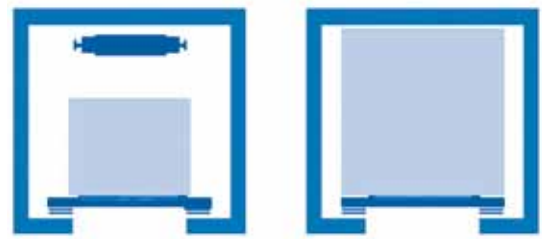
Application Series	MaxiSpace Series	MonoSpace Series	MonoSpace Exclusive
Load Range	240 - 800 kgs	320 - 1000 kgs	320-2000 kgs
Speed	0.63 - 1 m/s	1 - 1.6 m/s	1 - 2 m/s
Max travel	30*	55	70
Max floors	12*	16	24
Max starts/year	100,000	200,000	800,000
Leveling accuracy	+/-5mm	+/-5mm	+/- 3mm
Hoisting machine	KONE PowerDisc	KONE EcoDisc	KONE EcoDisc

*In mid- and high-rise commercial buildings, KONE can provide a dedicated solution from its wide range of new elevator platforms.*

## KONE MaxiSpace™

### Same shaft, more space

There is no counterweight in the KONE MaxiSpace™, so the space in the shaft where the counterweight is can be used to increase the size of the elevator car, by as much as 50%. If the existing elevator can carry four people, the KONE MaxiSpace solution could carry up to six. This provides more convenient access, and lets passengers transport push chairs, furniture and other large objects more easily.



Your old car

Your new car

*Traction elevators usually have a hoisting arrangement using a counterweight that takes up space in the shaft. The KONE MaxiSpace™ needs no counterweight, so this space can be used to fit a larger car into the shaft.*

### Serving more floors

The KONE MaxiSpace does not need a machine room. So the elevator can go all the way to the attic or a top-floor apartment, without having to build a machine room on the roof of the building.

## KONE MonoSpace®

### Moving more people using less energy

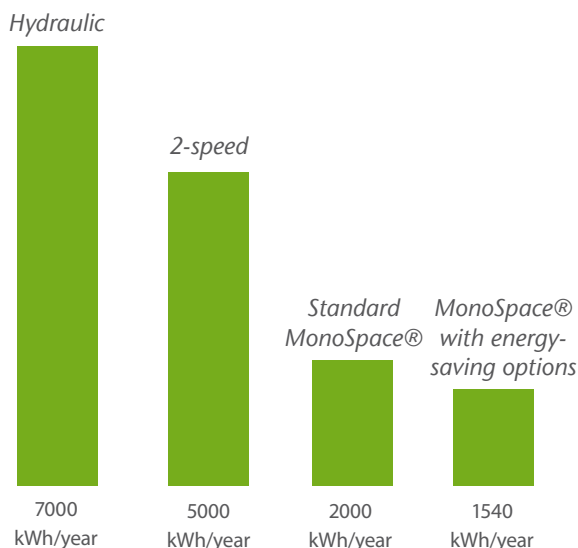
The KONE MonoSpace® elevator, powered by the KONE EcoDisc® hoisting motor, cuts energy by more than two-thirds compared with a hydraulic elevator. With advanced energy-saving innovations such as a regenerative drive and standby operation, electricity consumption can be cut still further. The savings can really add up. The KONE MonoSpace can save thousands of kilowatt hours a year - and thousands of pounds over a 25-year lifetime of the equipment.

### Two ways to use space more efficiently

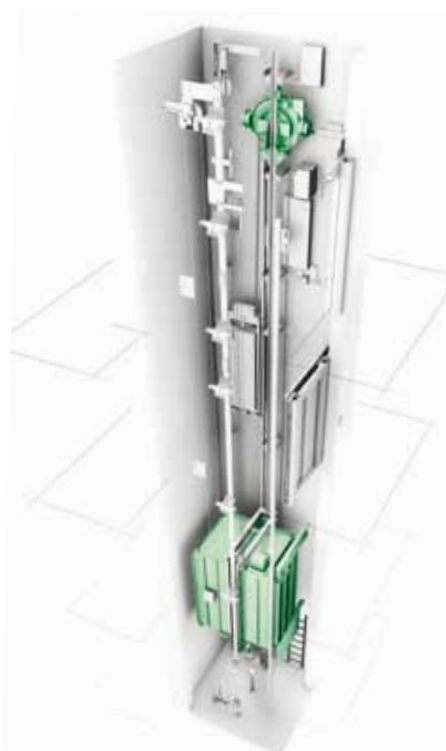
The KONE MonoSpace uses building space more efficiently in two ways. First of all, there is no machine room, so you can use the machine room space for another purpose. Or the elevator can serve the top floor or attic of the building without a machine room on the roof.

Secondly, the size of the car can be flexibly designed in order to get the largest car with the existing shaft dimensions. In many cases it will be possible to increase the car size in order to carry more passengers, or to allow building residents to carry bulky items such as furniture or bicycles.

### Average energy consumption\*



Elevator speed 1.0 m/s (0.63 for hydraulic), load 630 kg (8 persons) 200,000 starts/year.



*The KONE MonoSpace® elevator needs no machine room, so the elevator can serve the top floor of the building without a machine room on the roof.*

# How to RePlace your elevator in three quick steps.

## Step 1: Get started with all relevant information

Every KONE modernisation project is led by an experienced Project Manager or Supervisor. Before work begins, KONE carries out a site consultation to determine the condition of your elevator and the corrective measures required.

## Step 2: Planning - the key to a successful project

The KONE Project Manager or Supervisor conducts a site survey to determine best solution and the best way to implement it. This survey takes into account the features of your building, shaft dimensions, safe access during the project, and protection of users, visitors and technicians. The purpose is to ensure a successful installation, while minimising disruption for occupants and the time needed for installation. KONE makes sure permits, plans and calculations are checked and approved by authorities.

A wide range of design, car interiors and signalisation, security and accessibility options are available. During the planning phase the project manager helps you select the best solution for your requirements.

## Step 3: Minimising disturbance during installation

During installation, everything possible is done to minimise disturbance for residents. KONE protects floors and walls to ensure that no damage is done to the building, and keeps residents informed about the progress of the project. Upon completion, KONE takes responsibility for the safe, environmentally-friendly removal, disposal or recycling of the old equipment. When installation has been completed, KONE performs the final safety and performance inspections before handover to the client.



*Modernising your elevator with KONE RePlace™ ensures that it meets European SNEL safety and accessibility norms.*





KONE provides innovative and eco-efficient solutions for elevators, escalators, doors, loading bays and access. We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernisation. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life-cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE UniDrive™, KONE MonoSpace®, KONE MaxiSpace™, and KONE InnoTrack™. You can experience these innovations in architectural landmarks such as 30 St Mary Axe and Broadgate and 201 Bishopsgate buildings, BAA Terminal 5, Emirates Stadium, Brunel University, Citigroup, Jubilee Line and St. Georges Wharf.

KONE employs approximately 35,000 dedicated experts to serve you globally and locally in 50 countries.

**KONE plc**

**Head Office**

KONE plc, Global House, Station Place,  
Chertsey, Surrey KT16 9HW  
sales.marketinguk@kone.com

**Regional Offices**

KONE plc, Unit 6, Elmwood, Chineham Business  
Park, Basingstoke,  
Hampshire RG24 8WG

KONE plc, Suite G7/G4, Duart House, Finch Way,  
Strathclyde Business Park, Bellshill, ML4 3PR

KONE plc, Worth Bridge Road, Keighley, West  
Yorkshire BD21 4YA

KONE plc, 34 Bedford Road,  
Clapham, London SW4 7HJ

KONE plc, 1000 Birchwood Boulevard,  
Birchwood, Warrington,  
Cheshire WA3 7QL

**General Enquiries**


Tel: 0845 1 999 999  
[www.kone.co.uk](http://www.kone.co.uk)



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