

Dedicated to People Flow™



70800 150 63



A BRAND-NEW ELEVATOR FOR YOUR BUILDING

# KONE MonoSpace® elevator full replacement

# An investment in your building's future

Full replacement gives you all the benefits of the latest technology with a visually appealing elevator car. As well as an elevator that meets modern safety and accessibility standards, you'll also benefit from better space-efficiency, comfort, and eco-efficiency. The process involves installing a new elevator in your building's existing shaft.

Replacing your elevator is an investment that pays off in the long run, providing years of comfort and convenience for residents and adding value to your property. Our hassle-free full-replacement process keeps your project on time and on budget and minimizes disruption to life in your building. Residents can live at home during the work, while we keep everyone fully informed about schedules and progress. A modern elevator also means less unexpected downtime and more predictable maintenance and repair costs.

## Why choose the KONE MonoSpace?

The KONE MonoSpace® has a successful track record stretching back almost 20 years, with close to half a million installations around the world. It is a machine room-less solution, powered by our eco-efficient KONE EcoDisc® hoisting machine.



500,000

Almost half a million installations around the world in 20 years.

20 years



# Maximum space-efficiency, comfort, and eco-efficiency

**1** The compact design of the KONE MonoSpace® means it can be installed in almost any building, so you benefit from a larger car in the existing shaft.

**2** Enjoy smooth and quiet operation, accurate leveling, and a pleasant ride every day with easy-to-use signalization and a comfortable, well-lit interior that complements your building.

**3** Based on our leading eco-efficient technology, every aspect of the KONE MonoSpace – from the hoisting machinery to the lighting – is designed to minimize energy consumption.



## HOW WE SUPPORT YOU WITH PROJECT PLANNING AND DESIGN

We can carry out a free-of-charge, no-obligation assessment to determine the best solution for your building. We can also explain the different costs involved, the financing options, any subsidies available, and how the cost of the project can be shared.

The KONE Elevator Toolbox is a set of easy-to-use online tools that save time and effort for architects and other professionals. With it, you can create customized CAD drawings and 3D Building Information Models for preliminary planning. The KONE Car Designer allows you to create your own virtual elevator interior design online or together with a KONE sales representative.

# A larger elevator for almost any building

Replacing your existing elevator with the KONE MonoSpace® saves space in two ways. The compact machinery leaves more space for a larger car and, with no more need for a machine room, it frees up space for other purposes such as storage.

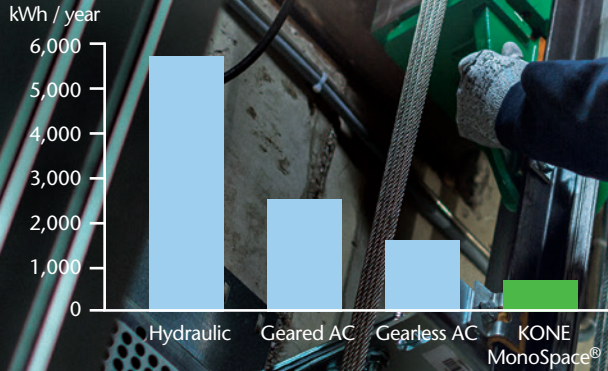
Although many older residential buildings have narrow elevator shafts, thanks to its excellent space efficiency the KONE MonoSpace can be installed in about 80% of buildings in Europe. The car size can be increased in 10 mm increments in order to make the most efficient use of the available space. What's more, the low pit and headroom requirements minimize the need for expensive, time-consuming construction work.

The KONE MonoSpace fits in 80% of existing buildings.





### Average energy consumption\*



\* Elevator speed 1 m/s, load 630 kg, 150,000 starts/year, a travel height of 9 m and 4 floors.

Any energy consumption saving potential, when indicated, is an estimate. Real-life values may vary depending on the site conditions and the actual installation. KONE does not accept any liability for possible differences between actual and estimated savings.

# Everyday comfort and accessibility

A KONE MonoSpace® elevator adds value to your building and maximizes comfort and accessibility for all residents – especially elderly people and families with children. Everyday life is much easier for anyone carrying heavy groceries, using a wheelchair or other mobility aid, or pushing a baby stroller.

The KONE MonoSpace includes a wide range of features designed to provide a great passenger experience year after year, including:

- ✓ Wide-opening automatic doors for easy entry and exit
- ✓ Smooth acceleration and deceleration, and accurate leveling for a comfortable ride
- ✓ A hoisting system and car structure that minimizes noise and vibration
- ✓ A pleasant, comfortable, well-lit car interior and easy-to-use signalization
- ✓ Millions of car interior material combinations to choose from

## Best-in-class eco-efficiency

One of the most significant costs associated with any elevator is the electricity used to power it over its lifetime. Powered by our proven KONE EcoDisc® hoisting motor and highly efficient drive system, the excellent eco-efficiency of the KONE MonoSpace will significantly reduce your operating costs – a modern KONE MonoSpace consumes less than a third of the electricity needed to power a hydraulic elevator. In addition to energy-saving LED lighting, for even greater savings you can add:

- ✓ A regenerative drive that recycles energy for use elsewhere in the building
- ✓ Advanced standby features that cut consumption when the elevator isn't in use

# Hassle-free, on time, and on budget

With our hassle-free full-replacement process everything will be completed on time and on budget, with no surprises and no unexpected costs.

Installation is carried out so that it causes as little disruption as possible to life in your building and residents can continue to live at home while the work is going on.

After installation, we can keep your elevator running smoothly for its entire lifespan with our maintenance service.

Equipment under KONE's maintenance service is available for an average of over 99% of the hours in a year.

99%

## 1 PLANNING

- KONE Care for Life™ assessment and solution recommendation
- Contract signed
- KONE team assigned to project



## 2 INSTALLATION

- Safety, storage area, and access route plan
- Final schedule with agreed working hours
- Informing residents and tenants
- New materials delivered to the site
- Protection of work area
- Dismantling and recycling old equipment
- Final cleaning



## 3 COMPLETION

- Quality inspection
- Elevator handover with technical and safety training
- Maintenance plan





Old elevator before modernization.



KONE MonoSpace® after modernization.



The residential building in Eskilstuna.

## ESKILSTUNA

Smooth elevator replacement in Eskilstuna, Sweden helps residents enjoy life to the fullest.

Swedish property group Akelius selected KONE to replace the old, unreliable elevators in its Flundran residential complex in Eskilstuna, about 100 km west of Stockholm. The project began in 2013, with the goal of making life easier for residents, some of whom are elderly and need wheelchairs or walkers to get around. The heavy swing doors of the existing elevators were not only difficult to use, they also posed a safety risk.

A practical solution developed by KONE in collaboration with Akelius meant that tenants could continue to live in their homes while the work was being done. They were able to use the elevator in the neighboring building, then continue through a passage between the buildings and climb a few steps up or down to reach their apartments.

### Rising to the challenge

The challenging project had to be completed on a tight schedule with minimum disruption for residents of this complex, which consisted of two 10-floor and two 5-floor buildings.

After a comprehensive KONE Care for Life™ assessment, it was decided that full replacement was the best way forward, with the old elevators being replaced by four new KONE MonoSpace® elevators.

The new elevators bring a number of benefits, including improved accessibility and safety thanks to wide automatic doors, as well as shorter waiting times and increased capacity – a particularly important benefit for one resident who uses an electric wheelchair that alone weighs 250 kg.

### Clear communication and personal service pays off

The KONE InfoMod bulletin board played an important role in keeping residents fully informed about the project's progress and schedule, and helping them to feel reassured.

Akelius was also impressed by KONE's comprehensive service offering, proactive approach, and in-depth understanding of their needs and the relevant building regulations. The personalized approach extends all the way to the elevator design itself, which reflects the Akelius brand colors of red and white.



KONE provides innovative and eco-efficient solutions for elevators, 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 modernization. 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 MonoSpace<sup>®</sup>, KONE NanoSpace<sup>™</sup> and KONE UltraRope<sup>®</sup>.

KONE employs close to 50,000 dedicated experts to serve you globally and locally.

**KONE Corporation**  
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