

The heart of your building™



MODERNIZATION PACKAGES

KONE ReGenerate™



The value of a complete package

The purpose of KONE modernization solutions is quite simple: to increase the value of your building by keeping the elevators and escalators running safely and reliably for the lifetime of your building.

KONE, a world leader in people-flow management, has created an impressive portfolio of modernization tools and processes. With the KONE Care for Life™ service, KONE conducts a full analysis of your

current installation and prepares a modernization plan to raise the elevator to modern standards of performance, safety, aesthetics and accessibility.

To suit the modernization needs identified by the KONE Care for Life™ service, KONE can offer modernization solutions ranging from individual elevator parts, to modernization packages, to full replacement solutions.



KONE ReGenerate™ is a family of modernization packages that are designed to be easy to buy and easy to install. KONE ReGenerate™ meets the latest safety and accessibility regulations, while improving the efficiency, reliability and aesthetics of the existing elevator. At the same time, they have been developed as complete packages that can be installed with a minimum of disruption to passengers and tenants.

KONE ReGenerate™ ranges from elevators for small residential buildings to demanding elevator groups for busy office buildings. It meets the latest EN81-80 safety requirements and has been CE certified by an independent Notified Body to the requirements of EN81-1.



Value for your building

The value of efficiency and sustainability

KONE ReGenerate™ is based on a KONE gearless machine: either KONE EcoDisc™ or KONE PowerDisc™. The gearless machine dramatically reduces energy consumption – it can cut electricity consumption in half compared with a standard motor. KONE EcoDisc™ and PowerDisc™ use a low starting current, providing high electrical efficiency.

With the latest technology used in the hoisting machines, KONE ReGenerate™ solves the safety risks in existing hoisting machines without adding wearing parts.

The value of reliability

KONE ReGenerate™ always includes a complete new electrification solution. The proven electrical system guarantees safe and reliable operation, accurate floor leveling and luxurious ride comfort. For a further

sense of safety, the KONE ReGenerate™ solution is equipped with an in-car two-way communication device providing immediate connection with a KONE service center, in the unlikely event of a malfunction.

The value of design

While modernizing the elevator, it is also worthwhile to pay attention to its appearance. KONE ReGenerate™ includes new user interface devices, both at the landings and in the elevator car. The new signalization devices fulfill the latest disability norms.

The value of innovation

Although the basic KONE ReGenerate™ solution solves a large number of problems often present in existing installations, you can also expand the scope of the modernization to become just the right solution for different needs.



When the existing elevator is not equipped with a car door, it is easy to add one together with the light-weight KONE ReFresh™ car and KONE ReNova™ doors. Using this light-weight car, you can add a car door without adding weight, thus avoiding troublesome re-rating. Often it is also possible to replace the existing swing landing doors with automatic landing doors, significantly improving accessibility and comfort. KONE ReNova™ doors are designed to fit with existing building structure.

When modernizing a group of elevators in a hotel or office building, KONE ReGenerate™ utilizes the most enhanced group control algorithms, familiar from the KONE high-rise solutions. For the most demanding group applications, KONE TMS9900 GA technology is used, resulting in optimized dispatching decisions and landing call allocations in all traffic situations,

with reduced waiting times of 50% compared to conventional relay systems.

In a busy office building it is necessary to minimize the disruption to elevator users during modernization of larger elevator groups. In order to maintain the operation of modernized and existing elevators within a single group, the KONE MDE-2000 modernization overlay system can do exactly this. KONE MDE-2000 replaces the existing group control system and greatly improves the call allocation performance, with immediate results.

KONE ReGenerate™ from top to bottom

- ➊ **Reliable and energy saving**, using KONE PowerDisc™ or KONE EcoDisc® motor.
- ➋ **Space-saving adjustable bedplate** allows installation in the existing machine room minimizing the need for structural works in the occupied building.
- ➌ **Long-lasting ropes** manufactured from high tensile strength steel.
- ➍ **Optimized travel and waiting times** with a state-of-the-art controller system.
- ➎ **Safer travel** with standard 2-way communication.
- ➏ **Accurate floor leveling and smooth ride** with new drive technology.
- ➐ **Clear, ergonomic new signalization**. Choice of different KONE ReVive™ signalization packages to match different building styles. Improved access for passengers with different disabilities.
- ➑ **Optional: Space-saving, long-lasting KONE ReNova™ doors** provide the maximum clear opening with minimum space usage for existing elevator shafts, adding to accessibility and passenger comfort.
- ➒ **Optional: KONE ReFresh™ replacement cars**, designed to fit seamlessly into the existing sling. The new KONE ReFresh™ car offers at least the same dimensions as the car it replaces, but can be enlarged to the maximum size the sling will allow. Constructed from durable, high-pressure laminates and stainless steel panels, KONE ReFresh™ cars also reduce car weights.
- ➓ **Optional: Enhanced group control and modernization overlay**, to maximize the traffic handling capacity during and after the modernization.



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 29,000 dedicated employees serve you in 49 countries.

KONE cooperates closely with you from the earliest stages of a project in order to ensure the smooth flow of people and goods throughout your facilities for their entire lifetime. Life-cycle thinking underlies our commitment to proactive, reliable service and modernization solutions. KONE serves you locally as well as globally, for example in the Trump Tower in Chicago, Swiss Re in London and Beijing International Airport.

KONE Corporation
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