



KONE

# CONTROLLER & HOISTING MODERNIZATION FOR LOW AND MID-RISE ELEVATORS

KONE ReGenerate™ 200 and 400

# THE TOP-TO-BOTTOM RENEWAL FOR YOUR ELEVATOR

Even with proper maintenance, all elevators need thorough modernization eventually. After 10 years, parts will need replacing and you'll probably find that repair bills start to rise.

Finding spares can also become a problem. After 25 years of service or more, you can find yourself facing issues with safety and reliability as well.

As well as consuming more power than modern elevators, older elevators also contain outdated technology. The hoisting machine in particular will probably have poor energy efficiency and might be the cause of frequent breakdowns. All of this can have an impact on the value of your building. After 25 years and 10,000 kilometers\*, is it time to think about giving your elevator a new lease on life?

## CUT COSTS AND REDUCE HASSLE WHILE IMPROVING RELIABILITY AND SAFETY

KONE ReGenerate™ is a comprehensive controller and hoisting modernization solution that can save you a considerable amount of money and hassle over your elevator's lifetime. The modernization is based on KONE EcoDisc™ or KONE PowerDisc™ hoisting technology, which can significantly cut your elevator's operating costs and also improve its reliability.

KONE ReGenerate also improves the safety and accessibility of your elevator. After the modernization, accurate leveling with landing floors will reduce the risk of people tripping on the elevator sill, while new safety devices monitor uncontrolled car movement and prevent overspeed when the car is ascending.

\*Traction elevator, based on residential building usage of 25 years, 54,750 starts/year, 8 meters travel/start.

## KEY BENEFITS

- Improves elevator energy efficiency, reliability, and safety
- Improves accessibility with accurate leveling
- New safety devices monitor uncontrolled car movement and prevent overspeed
- Minimizes elevator downtime with quick installation
- Complies with all relevant EU safety and accessibility standards



## PEACE OF MIND WITH INTELLIGENT SERVICES

Modernizing your elevator with KONE ReGenerate means you can take advantage of KONE's 24/7 Connected Services to further improve your elevator's performance, reliability, and safety. We analyze data from elevator sensors and make proactive decisions on how to solve potential problems – often before they even occur. These intelligent services give you peace of mind by keeping you fully informed about the condition of your equipment and any maintenance activities we carry out.

82 DB

kg 322

72.2 %

11 mm



### LOOKING FOR A SAFER ELEVATOR WITH BETTER PERFORMANCE?

We offer two versions of KONE ReGenerate: KONE ReGenerate 200 for residential buildings and KONE ReGenerate 400 for commercial environments like offices, hotels, and retail premises. Both versions involve the complete replacement of your elevator's electrification and hoisting systems. For extra peace of mind, you can also add a two-way KONE Remote Monitoring communication system that passengers can use to contact the local KONE Customer Care Center in case of emergencies.

### ROBUST, RELIABLE COMPONENTS AND FASTER FAULT DIAGNOSIS

KONE ReGenerate components are designed to be robust and reliable. The fully encapsulated circuit boards keep out dust and foreign objects and reduce the risk of electrostatic discharge. The modernization also includes a modern safety system that automatically identifies faults at the switch level and shows them on a graphical display that technicians can use to quickly diagnose problems.

### WE CAN PROVIDE A FREE ASSESSMENT AND EXPERT RECOMMENDATIONS

To support easier planning and budgeting, we can carry out a free, no-obligation KONE Care for Life™ assessment of your equipment. Our technicians perform a thorough examination of your elevator's current performance, accessibility, safety, eco-efficiency, and aesthetics. We can then advise you on the options open to you and recommend repairs or modernization solutions that fit with your asset management strategy.

### IT TAKES ONLY 10 DAYS – AND WE'LL TAKE CARE OF EVERYTHING

The modernization work typically takes about ten working days. A dedicated KONE project manager will make sure the project goes smoothly and efficiently and answer any questions you may have. We'll make sure there is as little disruption as possible to everyday life in the building, and recycle or responsibly dispose of any parts we remove from your old elevator.

### LOWER POWER CONSUMPTION MEANS LOWER OPERATING COSTS

Our gearless and oil-free KONE EcoDisc™ or KONE PowerDisc™ hoisting machines cut the energy consumption of your elevator by using a low starting current to ensure high electrical efficiency. For traction elevators, our Variable Voltage, Variable Frequency (V3F) drive control significantly reduces energy consumption. You can save even more power with our advanced standby features that power down certain functions when the elevator isn't being used. Further energy saving savings can be achieved with the optional regenerative drive module.



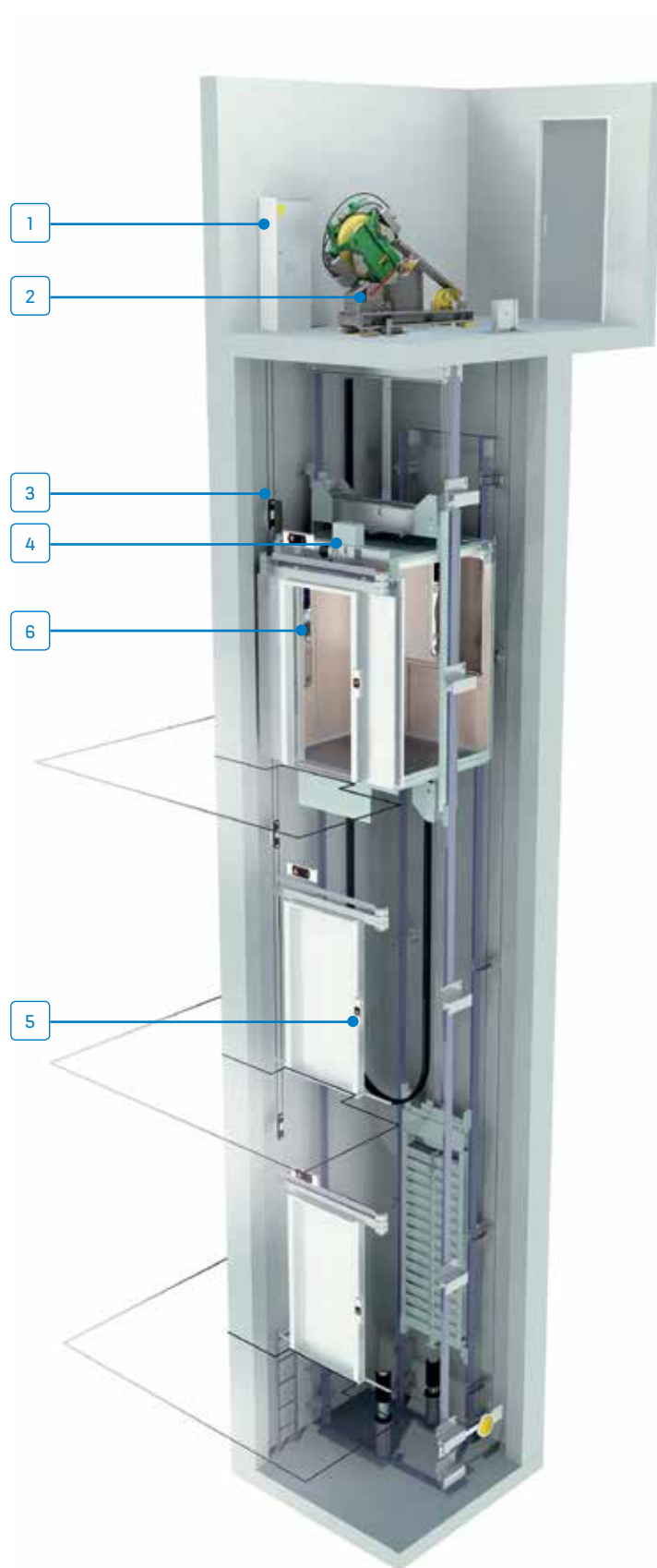


The KONE ReGenerate™ 200 controller cabinet

Hosting machine	KONE ReGenerate 200				KONE ReGenerate 400	
	MX06		NMX11		GMX1	GMX2
	1:1	2:1	1:1	2:1	4:1	4:1
Max. load (kg)	325	630	575	1150	630	1150
Max. speed (m/s)	1.6	1.6	1.6	1.6	1.6	1.6
Max. travel (m)	30	30	50	50	40	75
Max floors	24	24	24	24	24	32
Max. elevators/group	3	3	3	3	3	3
Typical starts/year	200,000	200,000	200,000	200,000	200,000	300,000

## KONE REGENERATE™ INCLUDES:

- 1 KONE ReGenerate controller cabinet
- 2 KONE hoisting machinery
- 3 Positioning system
- 4 Door operator interface
- 5 Signalization
- 6 KONE Remote Monitoring (optional)



# WE'RE WITH YOU EVERY STEP OF THE WAY

Modernizing an elevator with KONE ReGenerate is simpler than you'd think, especially when we're there to help you through the entire process. To give you a better idea of what's involved, we've outlined the main ways that we help and support you at each step.

1

## PLANNING

We can carry out a free-of-charge, no-obligation KONE Care for Life™ assessment to check the condition of your elevator and determine the best solution for your building. We'll assign a dedicated project manager who can provide more information, answer any questions, and make sure the project goes smoothly and efficiently.



2

## SITE SURVEY

Before the modernization work begins, our project manager will conduct a site survey together with the building manager to finalize the site requirements. We make sure that everyone who uses the building is able to move around safely and that all permits, plans, and calculations have been checked and approved by the relevant local authorities. This is particularly important for smaller-scale modernizations in residential buildings.



4

## COMPLETION AND HANDOVER

When the modernization work is complete, we perform final safety and performance inspections before handing over the elevator for use. With regular preventive maintenance carried out as part of a flexible KONE Care™ maintenance agreement, we make sure your equipment provides reliable service for its entire lifespan.



3

## INSTALLATION

Our modernization process is designed to cause as little disruption as possible while the replacement work is completed. People can continue to live and work in the building with minimal impact on their daily activities. We protect floors, walls, and walkways to make sure they are not damaged, and make every effort to keep noise and dust to a minimum. Residents and tenants can stay up to date with the schedule and progress of the modernization work by checking the KONE InfoMod bulletin board in the lobby. We also make sure that the materials left over from your old elevator are recycled or disposed of responsibly.



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®, KONE NanoSpace™ and KONE UltraRope®.

KONE employs close to 52,000 dedicated experts to serve you globally and locally.

## KONE CORPORATION

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