

*Dedicated to People Flow™*



CONTROLLER MODERNIZATION SOLUTION FOR LOW-RISE ELEVATORS

# KONE ReSolve™ 200



# Five days' work that can revitalize your elevator for the next 25 years

## After 25 years and 10,000 kilometers\*, does your elevator need a new lease on life?

After 25 years or more, the elevator in your building may no longer be as safe and reliable as it once was. Like any electrical and mechanical equipment, parts can wear out and equipment can become out of date.

An old, unreliable elevator might require frequent, costly repairs and cause inconvenience. It consumes more electricity than a modern solution. And it might detract from the value of your building.

### Reduce costs

The KONE ReSolve™ 200 can significantly reduce operating costs. By improving reliability, it reduces the need for repairs. It can also reduce energy consumption, potentially yielding considerable savings in electricity costs over the lifetime of the equipment.

### Improve safety

Accidents can happen when people stumble on the landing floor groundsill. The KONE ReSolve 200 improves leveling accuracy to within 5 mm, which can significantly enhance passenger safety and accessibility.

### KEY BENEFITS

- High-quality, professionally manufactured product
- Better leveling accuracy for improved passenger safety
- Reduced energy consumption
- Spare parts available for long-term operation
- Smoother emergency stopping for traction elevators, using the drive to decelerate
- Complies with latest safety standards



Hydraulic elevator controller



Traction elevator controller

\* For traction elevators this is based on a typical residential building usage of 25 years, 54,750 starts a year, 8 meters travel per start.

# A fast and flexible solution that improves safety, performance and energy-efficiency

## Reliable operation

The components of the KONE ReSolve™ 200 have been selected and designed for a longer lifecycle without failure. The fully encapsulated PCB boards reduce the risk of electrostatic discharge and impregnation of dust and foreign bodies. The new KONE safety system identifies faults at the switch level. This modern technology with a graphic display enables faster diagnostics in case of interruptions.

## Flexibility in planning and budgeting

The KONE ReSolve 200 is a flexible solution for modernizing the electrification system of traction and hydraulic elevators, in buildings of up to 16 floors. Traction elevator systems can be modernized in a two-phase approach, replacing the electrification first and the hoisting system at a later point in time allowing more flexibility in planning and budgeting.

## Save time

The KONE ReSolve 200 solution is easy to install and easy to expand. Installation can usually be completed in about 35 hours. KONE project managers ensure that the project progresses smoothly and efficiently, with the least possible disturbance to the building and to elevator passengers. KONE also ensures the safe and environmental disposal or recycling of old equipment.

## Save energy

The KONE ReSolve 200 uses a Variable Voltage, Variable Frequency (V<sup>3</sup>F) drive control to reduce energy consumption in traction elevators. In a typical residential building, the traction elevator's energy consumption can be reduced by as much as 30%. In both traction and hydraulic elevators consumption can be further reduced with standby mode, which shuts off lighting and ventilation and dims signalization when the elevator has not been used for a preset period of time.



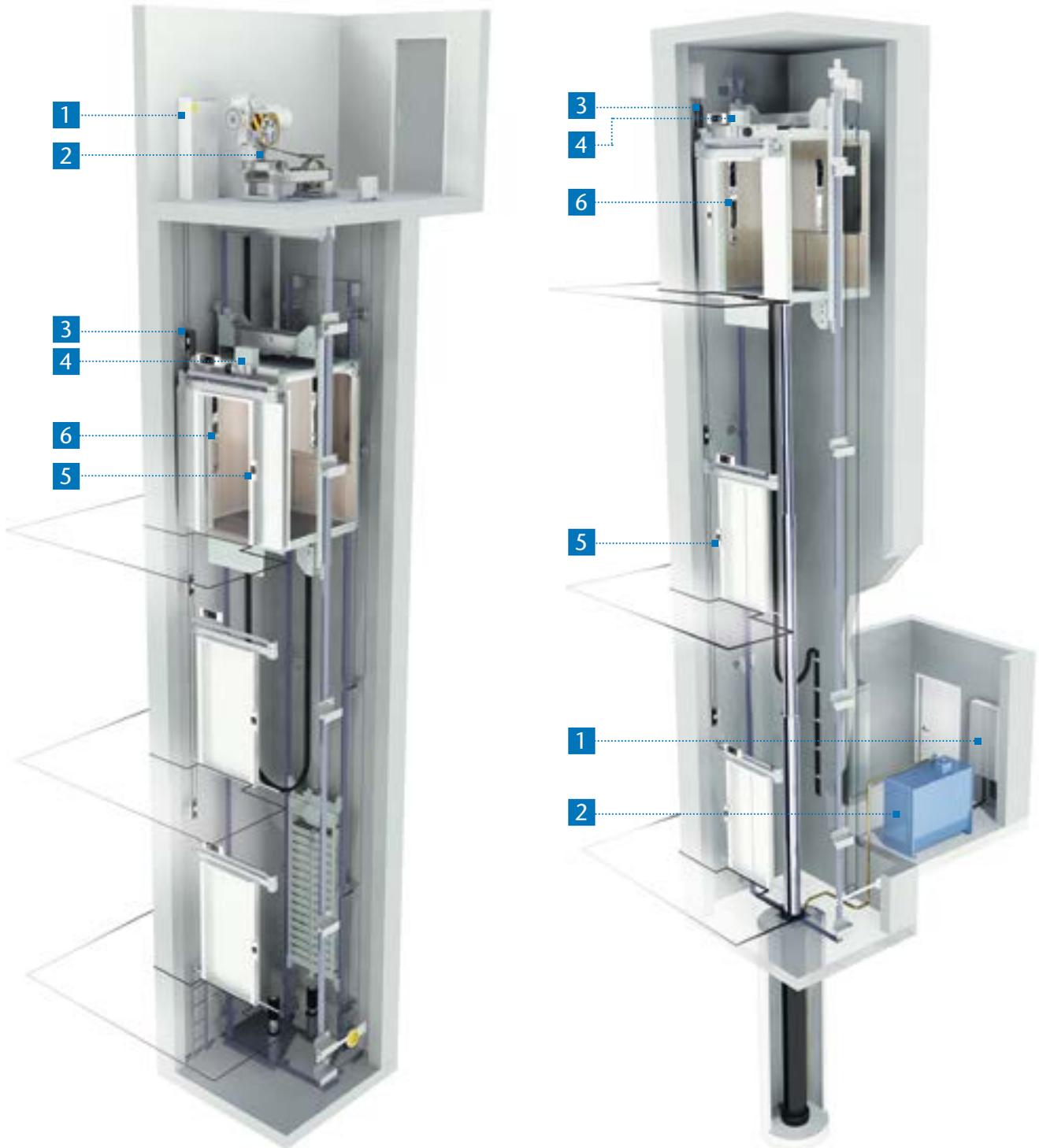
KONE ReSolve 200 elevator specifications

	Traction	Hydraulic
Speed (m/s)	0.3 – 1.0	0.1 – 1.0
Max. travel (m)	70	30
Max. floors	16	8
Max. elevators in group	1	1
Max. starts/hour	180	120*
Typical starts/year	200,000	200,000
Drive system	Variable Voltage, Variable Frequency	Solenoid Valve Control

\* Power unit limitation may apply

### KONE ReSolve™ 200 includes:

1. ReSolve 200 controller cabinet
2. Existing machinery
3. Positioning system
4. Door operator interface
5. Signalization
6. KONE Remote Monitoring (optional)



# We support you every step of the way

We make the entire modernization process as efficient and convenient as possible.



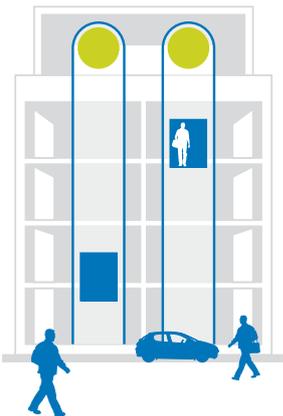
## STEP 1: Planning

Every KONE installation project has an experienced Project Manager in charge. With the KONE Care for Life™ analysis, they assess the condition of your existing elevator and determine the best solution.



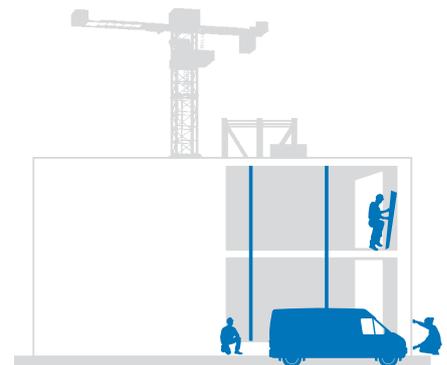
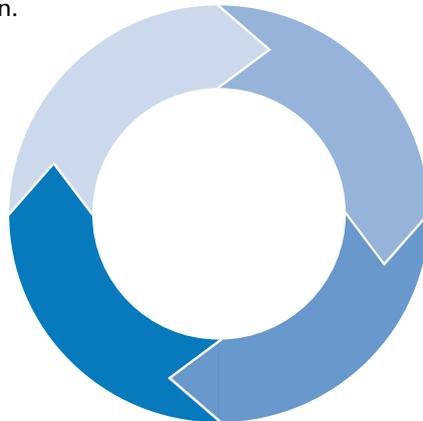
## STEP 2: Site Survey

Before the project begins, the KONE Project Manager carries out a detailed site survey in order to ensure the project is completed safely and on time.



## STEP 4: Completion

When installation has been completed, KONE performs the final safety and performance inspections before handover to the client. Our flexible, cost-effective KONE Care™ preventive maintenance solutions ensure potential problems are identified and fixed before they lead to downtime.



## STEP 3: Installation

Installation of the KONE ReSolve 200 takes about five working days. During the project KONE technicians provide safe access routes and keep the occupants informed, using the KONE InfoMod™ service, about how the work is progressing. KONE also ensures safe, environmentally-friendly removal, disposal or recycling of the old equipment.





KONE provides innovative and eco-efficient solutions for elevators, escalators and automatic building doors. 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 MaxiSpace<sup>®</sup>, and KONE UltraRope<sup>™</sup>. You can experience these innovations in architectural landmarks such as Capital City in Moscow, Hongqiao Transport Hub in Shanghai, North LaSalle in Chicago and Tour First in Paris.

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

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