

Dedicated to People Flow™



THE COMPLETE ELEVATOR MODERNIZATION SOLUTION

KONE ReVolution™

The complete elevator modernization solution

KONE ReVolution™ is a complete elevator system upgrade which will improve the performance of your existing elevator system. KONE ReVolution is ideal for any low-, mid- or high-rise application.

This complete turnkey solution features:

- KONE EcoDisc® hoisting machine
- KONE ReSolve™ control system
- KONE ReNova™ high-performance door solution
- KONE KSS ReVive™ elevator fixtures

Why modernize?

Modernization increases safety, improves traffic flow and enhances the aesthetic appearance of an elevator. Energy-efficient, reliable systems combined with modern, stylish interiors naturally add to a building's value.

- Passengers enjoy increased safety, accessibility and comfort.
- Building managers benefit from reduced operation expenses, maximum system availability and predictable life-cycle management costs.
- Building owners gain greater tenant satisfaction and retention as well as enhanced property value.



Geared to gearless innovation

Just as KONE revolutionized the industry with its groundbreaking machine room-less technology, we once again are providing similar technological leadership and innovation in the modernization market.

Our geared to gearless modernization offering leverages KONE's gearless machine technology and an innovative 2:1 roping configuration. The application replaces existing geared machines

with more energy-efficient and advanced gearless technology. Placement of slim-line deflector sheaves within the car-top cross head and counterweight allows us to divide the hoist cable deflection to four separate hitch points in the overhead. This unique design allows us to provide the benefits of gearless technology with minimal or no disruption to the existing building structure (patent pending).

KONE ReVolution Specifications	MX18		MX32	
	1:1	2:1*	1:1	2:1
Max Load lbs.	2500	4000	3500	5000
Max Speed fpm	700	700	1200	700
Max Travel ft.	360	590	1000	590
Max Floors	63		63	
Openings	Front & Reverse		Front & Reverse	
Max Elevators in a group	8		8	
Max Starts per year	400,000		400,000	

*patent pending

KONE Eco-Disc[®] — providing superior gearless performance

KONE ReVolution™ is powered by the award-winning KONE EcoDisc hoisting machine, an AC gearless machine with a permanent-magnet synchronous motor.

Proven technology

Since its introduction in 1996, over 440,000 KONE EcoDisc hoisting machines have been installed worldwide. This innovative hoisting solution is the core technology for all KONE elevators.

Energy efficiency

The optimized power factor of the KONE EcoDisc motor means it consumes less power and produces less heat than traditional traction elevators, with energy savings (compared to conventional gearless and geared elevators).

An additional energy-saving feature is the regenerative drive system. Depending on the elevator cab loading and the direction of travel, the KONE EcoDisc hoisting machine will act as a generator and produce braking energy. The regenerative drive system recaptures this elevator braking energy and feeds it back to the supply network as clean, safe energy — recovering up to 20% of the energy used.

Space and weight savings

KONE EcoDisc hoisting machines are remarkably lightweight and space-efficient, compared to traditional traction elevators. Less structural support is required, and easier access for machine room service enhances safety.

KONE ReSolve™ — improving traffic flow

An elevator control and electrical system modernization solution, KONE ReSolve is based on the latest in control technology. Incorporating KONE ReSolve can improve the performance, reliability, safety and energy efficiency of your elevator.

Sophisticated operation

Serial transmission technology and multiple microprocessors ensure efficient, higher-speed operation to meet complex and demanding building requirements.

Improved reliability

The central computer executes more than 100 self-checks every second for optimum reliability and performance. Because localized faults can be isolated, service interruptions can be avoided.

Smoother, quieter and more precise

KONE ReSolve delivers fast response times, as well as an extraordinarily smooth and quiet ride, with the help of precise leveling. Our sophisticated positioning system creates a precise “map” of the elevator shaft, virtually eliminating poorly positioned stops. Powerful processing capacity and a patented KONE algorithm compensate for varying loads, both at normal speed and during the leveling phase.

An outdated system equipment room.



The smoother, faster, more efficient KONE ReSolve.



KONE ReNova™ — delivering high-performance

KONE ReNova is a complete elevator door modernization solution that will improve safety, performance and reliability. KONE ReNova provides an ideal opportunity to upgrade aesthetics as well as accessibility for passengers.

Reliable, custom performance profile

KONE ReNova is designed and tested for 800,000 elevator starts per year, nearly four times the typical demand. If the demand changes, the performance profile adjusts, and the KONE ReNova door system applies what it learns to maintain the new performance parameters. Once an elevator's performance profile is set, KONE ReNova technology adapts to variations in a building's environment to provide reliable, consistent door operation.

Swift, silent operation

KONE ReNova provides some of the fastest door open and door close times in the industry. Mechanical coupling allows smooth linear action of the car doors. Swift, silent action is consistent for each stop, regardless of differing door weights and air pressure. If the electronic door detector's infrared beam is broken, the doors retract positively without hesitation.

Smooth, enhanced ride

KONE's closed-loop control and patented advanced modular door technology ensure effortless door operation in every situation. Digitally encoded feedback from monitored operating conditions enables the system to use what it learns about your building to deliver consistently superior performance.



Enhancements for your modernized elevator

KONE E-Link™ monitoring and command system

KONE E-Link is a full-featured facilities management tool. Designed to improve tenant service quality, equipment operating reliability, efficiency and economics, KONE E-Link technology enables transportation systems monitoring in single or multiple buildings.

KONE Care™ Remote Monitoring

KONE Care Remote Monitoring is a 24/7 monitoring service that addresses emergency communication needs, safety and equipment operation. It works by linking the on-site voice and data equipment with the KONE Customer Care Center™ through existing telephone lines.

KONE KSS elevator fixture solutions

KONE KSS ReVive elevator fixtures combine a unique, attractive look with durable design. A wide range of surface-mount, flush-mount and vandal resistant fixtures are available.



Cab interior upgrades

Give your elevator cab interiors a facelift when you modernize. The KONE Design Collection combines different colors and shades, reflecting the four seasons, making it easier and faster for a customer to select a sophisticated and stylish design. Over 70 specially designed alternatives offer hundreds of different possibilities to match any interior and architecture.





KONE provides innovative and eco-efficient solutions for elevators, escalators 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 EcoMod[™], and KONE UltraRope[®].

KONE employs nearly 50,000 dedicated professionals to serve you globally and locally.

KONE
kone.us