



MODULAR MODERNIZATION FOR ESCALATORS

Electrification package

FLEXIBLE MODERNIZATION THAT PUTS YOU IN CONTROL

Boost the reliability and eco-efficiency of your escalator equipment – and bring it in line with the latest safety and accessibility standards – with our hassle-free modular modernization packages. With modular modernization you benefit from the latest in proven escalator technologies while minimizing inconvenience to tenants and visitors. Our packages also give you the freedom to choose what to modernize and when.

Escalator electrification packages

Our electrification modernization packages are designed for escalators in busy commercial environments such as retail centers and transit hubs, where smooth people flow is critical to business and long periods of downtime are simply not an option.

We offer both partial and full electrification modernization for escalators. With full modernization we replace the control system, install modern safety devices compliant with the EN 115-1 standard, and fit an inverter that enables energy-saving standby speed and on-demand operation. With partial modernization only the inverter is installed.



ELECTRIFICATION PACKAGE



KEY BENEFITS

- Improved reliability and availability
- Lower running costs due to reduced energy consumption
- Easier and more cost-efficient maintenance
- Improved safety and ride comfort



WHAT'S INCLUDED?

The key safety-related and other upgrades in a full electrification modernization are:

Safety upgrades:

- A handrail speed and breakage monitor that automatically stops the escalator if the handrail is running too slowly or if a breakage is detected
- An access-cover safety switch that stops the escalator and prevents it from being started if the maintenance access covers are not in place
- A missing step detector that monitors the step band and stops the escalator if a missing step is detected
- A current leakage protection device that automatically cuts the mains power if a leakage is detected
- A fire alarm interface and smoke detection devices that can be linked to the building's fire protection system, ensuring escalators power down in case of smoke or fire
- A comb plate impact device and handrail inlet switch that stop the escalator if foreign objects become trapped between the comb teeth and step band or enter the handrail inlets
- A step sag switch that stops the escalator if a step sags by more than 5 mm before it enters the comb segments; this can be caused by a damaged step or chain roller

- A broken step chain switch installed in the return station that stops the escalator if the chain either becomes elongated or fails completely
- A motor speed monitor that checks for overspeeding, underspeeding, unintentional reverse, and braking deceleration
- A new emergency stop button installed next to the key start switch

Other upgrades:

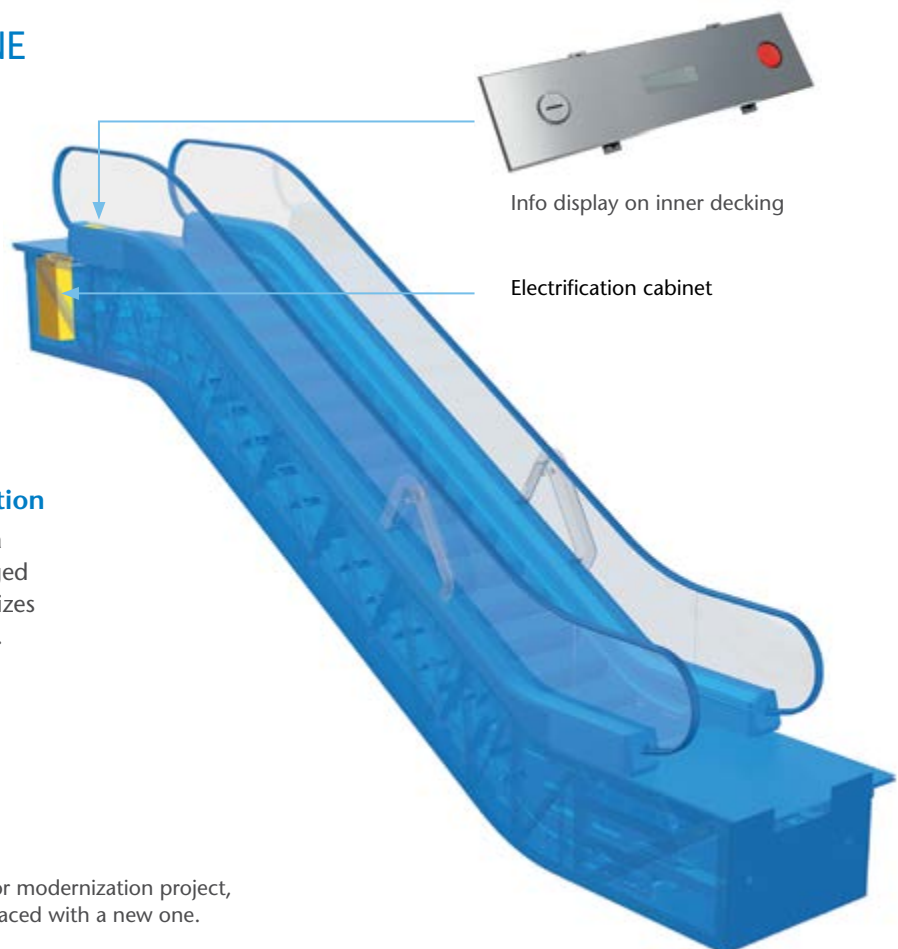
- A new KONE 501 control cabinet and escalator wiring loom
- An inverter cabinet that enables significant energy savings through smart star-delta operation and a standby step-band speed of 0.2 m/s
- A diagnostic display installed on the inner deck that makes it easier to identify faults and quickly get the escalator up and running if a service technician isn't needed – for example, in cases where someone has accidentally pressed the emergency stop button

WHY MODERNIZE WITH KONE

1 An investment that pays off
Improved safety, reliability, and energy efficiency.

2 Happier building users
Improved reliability, accessibility, and comfort – for the lifetime of your building.

3 Quick and hassle-free installation
Complete installation in less than a week*, enabled by our well-managed modernization process that minimizes disturbance to tenants and visitors.



* Estimated timeline of a typical escalator modernization project, where the electrification system is replaced with a new one.

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® DX, KONE NanoSpace™ and KONE UltraRope®.

KONE employs close to 57,000 dedicated experts to serve you globally and locally.

UAE

Dubai (regional Office)

KONE Middle East LLC
U-Bora Tower,
C/O Al Abraj Str & Al Khaleej Str,
Business Bay.
P.O. Box 21474
Tel: +971 4 279 4500
www.kone.ae

Kingdom of Saudi Arabia

Riyadh (Head Office)

KONE Areeco Ltd
King Fahad Road,
Olaya District,
Al Hamad Tower, Floor 8.
Tel: +966 9200 17055
www.kone.sa

Egypt

KONE LLC
Plot no.10 B, Mohamed Naguib Axis,
Fifth Settlement,
O1 Mall, KONE 2nd Floor, New Cairo.
Tel: +20 232 44 300
www.kone.eg

Morocco

KONE Elevators and Escalators
SARLAU
Lot Marjana N6,
Sidi Maarouf, Casablanca.
P.O Box 20280
Tel: 0522 58 02 11
www.kone.ma

Qatar

KONE Elevators LLC
Ghanem Office Tower,
Building No. 54, Street No. 640,
Zone 23, Salwa Road,
Bin Mahmoud Area, Doha.
P.O. Box 37143
Tel: +974 4488 8835
www.kone.qa

Oman

KONE Assarain LLC
Hatat House B, Office 103, 1st Floor,
Wadi Adai, Ruwi 112, Muscat.
P.O. Box 1475
Tel: +968 246 570 00
www.kone.om

Bahrain

KONE Bahrain SPC
Building 767, Office number 61,
Road number: 3629,
Block number: 336,
Adliya, Kingdom of Bahrain.
P.O. Box 21303
Tel: +973 1774 9271
www.kone.bh

Kuwait

Laila Tower, 14th floor, office 3,
Salmiya, Kuwait.
P.O. Box 21119 - Safat 13072
www.kone.com.kw

Tunisia

Ensemble Mobilier Miniar,
Rue du Lac d'Ourmia,
1053 Les Berges du Lac, Tunis,
Tunisie.
www.kone.tn

East Africa (Kenya and Uganda)

KONE NAIROBI (Head Office)
Crowne Plaza Annexe, 13th Floor,
Along Kenya Road, Nairobi, Kenya.
P.O. Box 35174-00100
www.kone.co.ke
www.kone.ug

South Africa

KONE Elevators South Africa (Pty) Ltd,
20 Friesland Drive, Longmeadow,
Business Estate (South),
Edenvale 1610, Johannesburg.
Tel: +27 11 035 1800
www.kone.co.za

Türkiye

İçerenköy Mah. Değirmenyolu Cad.
No:28 Asiaoifspark B Blok D:3 Kat:2
34752 Ataşehir/İstanbul.
Tel: 444 56 63
www.kone.com.tr

Kazakhstan

KONE Kazakhstan LLP
D.Konayev Street 12/1,
floor 9, 010017,
Astana, Kazakhstan.
www.kone.kz