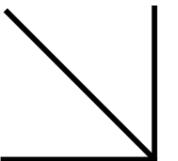


A technician in a dark blue uniform is kneeling on an escalator. He is holding a handheld device and looking at it intently. The background shows the curved, skylit structure of the escalator shaft. The technician's uniform has the 'TKE' logo on the chest.

MODPACKS
PARTIAL
MODERNIZATION
FOR ESCALATORS
AND MOVING
WALKS

MODERNIZATION:
REVIVING YOUR
ESCALATORS AND
MOVING WALKS





REVAMP YOUR BUILDING

ModPack partial modernization packages will make your existing TKE escalators and moving walks look and feel like new. Quick and easy to install, they immediately improve safety, boost efficiency, enhance aesthetics and increase functionality. Each one is a quick win for your building - and business.



More than just maintenance

New components and designs give passengers a safer ride and improve your building's appeal.



Making the right choice

Choose from dozens of solutions in the four ModPack categories, each one designed by our expert teams to swiftly meet your most pressing needs.



Unlocking the future

Enhance the functionality of your units with future-proof upgrades that improve safety, connectivity and sustainability.

Give your passengers a safer ride

Older units are at higher risk of incidents, so safety is always the first priority when considering an upgrade. At TK Elevator we are constantly adding to global best practices and adapting to customer feedback to reduce the risk of incidents.

Anti-falling safety curtain

These are installed outside the balustrade and are slightly higher than the handrail. They deter passengers from climbing over the side of the escalator and falling.

Anti-climbing deflectors

Installed at the bottom of an escalator, on the outside of the balustrade, these structures safely impede anyone trying to climb on the outside of the balustrade.

Skirt brushes

Retrofitting skirt brushes reduces the risk of people or objects becoming trapped in the gap between the steps and the skirting profile.

Building interfaces

The gaps between a unit and the building are a potential accident risk. Integrating new safety features helps to mitigate that risk.



Handrail speed variation

To ensure passenger stability, a monitoring device stops the escalator if the handrail speed deviates by more than 15% from the speed of the steps or pallets.

Continuous step/pallet monitoring

Immediately stops the unit to avoid injury if a damaged step or pallet is detected anywhere on the unit.

Audio messaging

Intelligent audio messaging welcomes passengers and can be programmed to communicate safety announcements and reminders.

Unit safety

Transform your escalator to satisfy the latest standards by adding new safety features.

Save energy in your day-to-day operations

When your current units were first installed, sustainability probably wasn't the priority it is today and they may not have any energy-saving features. Upgrading older escalators with today's energy-saving options improves efficiency and makes a significant contribution towards green building certification.

Slow speed operation

Enjoy up to 60% energy savings in no-load drive with a frequency converter that runs the escalator at two different speeds: an energy-saving lower speed when no-one is on the unit; and the nominal speed as soon as someone enters.

SAVE UP TO
60% 

Slow speed stop operation

Just like slow speed operation, a frequency converter runs the escalator at two different speeds: the nominal speed as soon as someone enters and an energy-saving lower speed when no-one is on the unit. It then stops if empty for a defined period.

SAVE UP TO
90% 

Star-delta operation

Star-delta runs an escalator in two different modes at unchanged speed. During the start and if no load is detected, the escalator runs in star operation to reduce the current. If a load is detected, the motor switches to delta operation.

SAVE UP TO
15% 

Intermittent operation

Intermittent operation is an energy-saving option for infrequently used escalators. The unit only starts to move if a passenger approaches. If nobody is on the unit, it stops entirely and traffic lights indicate its readiness.

SAVE UP TO
95% 

Energy saving

Modernization of your installed units helps to reduce your building's energy consumption and improve its carbon footprint.

Energy-saving systems

	ADDITIONAL EQUIPMENT			MODE OF OPERATIONS			SAVING METHOD		DIRECTIONS	
	Frequency converter	Sensors needed	Traffic lights	Full stop	Idle speed	Constant speed	No load	Partial load	Up- and downwards	Up- or downwards
Slow speed operation	•	•			•		•	•		•
Star-delta operation		•				•	•			•
Intermittent operation		•	•	•		•	•		•	•
Slow speed stop operation	•	•	•	•	•		•	•	•	•



Make your building more appealing

Vibrant new lighting for your escalator is the first choice for improving your building's aesthetics and each passenger's experience, as well as making a vital contribution to safety.

Traffic lights

Essential for escalators with intermittent operation, traffic lights show approaching passengers the travel direction of the escalator.

Inner decking traffic lights with a scrolling green arrow for entry and flashing red symbol for exit, can be mounted either in the decking or on columns at the upper and lower stations.

Floor plate traffic lights are visible before a passenger stands on the escalator / moving walk and improve accessibility, particularly for people with impaired vision.

Aesthetics & comfort

An attractively lit and quietly running escalator is not only aesthetically appealing but also offers passengers a more comfortable ride.



Skirt lighting

A continuous light strip installed between the interior skirt decking profile and the skirt panel. These LED strips can be changed quickly and easily.

Balustrade lighting

With a beautiful appearance and low cost, an LED strip can be installed under the handrail of the slim (glass) balustrade.

Comb plate lighting

Required when ambient light does not provide sufficient illumination on the escalator, a white LED lights the comb plate.

Step gap lighting

A green LED illuminates the step band to outline step demarcation and guide foot position on the step tread.



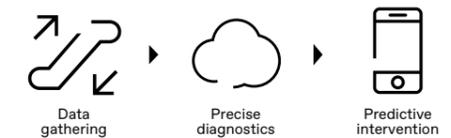


Building monitoring system

Upgrade units to integrate with your building management system for remote monitoring, control and scheduling. Or install MAX, our cloud based predictive maintenance solution for maximum uptime and operational efficiency.

MAX

The industry's first real-time, cloudbased predictive maintenance solution. Our smart, machine-learning, Internet of Things (IoT) solution dramatically increases elevator and escalator availability by reducing out-of-service situations through real-time diagnostics.



MAX is only available in selected markets. Please consult your TK Elevator sales representative for further information.

Enhance your unit's functionality

Our escalator modernization packages enable you to add brand new functionality to your unit and incorporate the latest technologies.



Heated components

If your escalator is outdoors, the winter months can be a real challenge, with step chains possibly freezing up or cover plates blanketed in snow. Heating systems in these components ensure your escalator continues to operate smoothly in the coldest weather conditions.

Handrail sanitization

Frequently touched surfaces, escalator and moving walk handrails, can be carriers of bacteria and virus transmission. With continuous sanitization, passengers will have the confidence to hold handrails and travel in safety.

Additional functionalities

Enhancing your escalator with additional state-of-the-art functions will help to make your unit more efficient and, ultimately, more economical.



Check out your modernization options

Our modernization process has been designed to make things as simple as possible for you – and minimize interference with your everyday operations. Simply select the relevant modernization packages and our modernization experts will take care of the rest.

Safety		
Buggy device	Safety curtains	Missing step indicator
Skirt brushes	Comb plate switch	Skirt micro switches
Step monitoring	Mats on cover plates	Brake function indicator
Emergency stops	Protection deflectors	Floor plate switches
Speed indicator	Audio messaging device	Brake wear monitoring
Flood switch	Handrail speed monitoring	Handrail break switch
Auxiliary brake on main shaft		

Energy efficiency	Comfort/aesthetics	Functionality
Star-delta	Skirt lighting	DDU
Frequency converter	Balustrade lighting	Handrail sanitization
Intermittent operation	Step gap lighting	BMS
	Traffic lights	Lubrication
	Comb plate lighting	Heating

YOUR INNOVATION PARTNER

elevators and escalators in service

countries serviced

1,200,000 100+

employees

50,000+

service available for customers

locations

24/7 1,000+

service technicians

24,000+



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