

Dedicated to People Flow™



A COMPLETE ANALYSIS OF YOUR ELEVATOR OR ESCALATOR

KONE Care for Life™

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Know the condition of your equipment

Is your elevator or escalator reliable? Is it safe? Are there opportunities to reduce energy consumption and avoid unpredictable repair costs? The KONE Care for Life analysis helps you answer these questions.

With KONE Care for Life, you can identify the potential areas of improvement in your equipment. It is an essential tool for elevator or escalator life-cycle planning and management. KONE Care for Life consists of three steps: an assessment of your equipment, a report on its condition and a recommendation for improvement.

A three-step process



1. Assessment

The first step is a thorough, complimentary on-site evaluation by a KONE professional. This includes more than 150 checks of your equipment, from the viewpoints of performance, safety, accessibility and aesthetics. The KONE technician reports every check into a system where the data for that particular equipment is stored. For escalators, there is also the option of a Lite audit process that allows the survey of your escalator to be conducted without having to take the equipment out of service. Customer input will help determine which survey is the most appropriate, given the site circumstances.

2. Report

The result of this assessment is a full report, divided into three clearly-defined sections. The executive summary is an excellent tool for decision-makers, containing the main characteristics of your installation and areas needing intervention. This is followed by a detailed analysis of the results of the KONE Care for Life assessment. The final section of the report compares the measured data to the hazardous situation description, as defined by the relevant codes and standards.

3. Solution

If any deficiencies have been identified, together we can agree on an action plan to bring your equipment up to the required standard with KONE's Asset Management Planning. If your equipment is in good shape, KONE can recommend regular maintenance and minor upgrades. If more serious issues have been uncovered, KONE can recommend a solution ranging from upgrading components to full modernization or replacement.

Objectives of Care for Life

Safety and accessibility

- Safety and accessibility mean more than conforming with regulations. We want to ensure your equipment is safe and easily accessible for users.
- Report checks for code compliance: ASME A17.1 / CSA B44 standards

Life-cycle management

- Systematic analysis by trained specialists
- Clear process of assessment, report and recommendations

Performance

- Reliable, efficient, continuous operation is important to ensure smooth people flow in the building
- Elevator and escalator components are checked for reliability and obsolescence

Aesthetics

- First impressions matter – the elevator or escalator is one of the first things tenants or customers see when they enter the building
- Report contains evaluation of visual appearance of installation

Full assessment of your equipment

The result of the KONE Care for Life assessment is a report focusing on performance, accessibility, aesthetics and safety. This is accompanied by a recommendation on how to improve your equipment. The solution can range from easy-to-install retrofit kits to a more major package such as a new controller and hoisting machine.

Performance

The machinery and brakes, controller, drive and electrification are examined.

For elevators – The hoisting ropes, shaft and doors are also checked.

For escalators – The step chain, lubrication system and step rollers are also analyzed.

Accessibility

For elevators – Accessibility is analyzed against the requirements of ADA, taking into account leveling accuracy, door operation, cab features and signalization.

For escalators – Newels, signage, balustrades, access cover, comb plates and steps are considered.

Aesthetics

For elevators – The visual status of the signalization, doors and car interior is assessed.

For escalators – The focus is on the passenger travel space (steps, skirt, balustrade, access cover and comb plate). The condition of the lighting and cladding is also analyzed.

Safety

Safety norms are considered. Priority levels are defined by the applicable standards. The factors taken into consideration on escalators and elevators are – passenger travel, machinery, worker and building interface.

For elevators – The focus is on user risks at the landing and in the car, and worker risks in the machine room and shaft.

For escalators – The focus is on user risk, travel space, the building interface and workers.



Eco-efficiency

The inspection and analysis of elevators and escalators identifies issues which can result in poor energy efficiency. Outdated technology consumes more energy than would be the case with modernized equipment.

Inefficient technology in several areas can result in higher energy usage, for example:

Elevators

- Hoisting technology
- Drive systems
- Lighting
- Signalization

Escalators

- Drive machine
- Drive system
- Electrification
- Step chain

This will be reviewed with you during your Care for Life assessment by your KONE Sales Professional.





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