

A COMPLETE ANALYSIS OF YOUR ELEVATOR OR ESCALATOR

# KONE Care for Life™

## 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 your 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 lifecycle 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.



## KEY BENEFITS

### Lifecycle management

- Systematic analysis by trained specialists
- Clear process of assessment, report, recommendations
- Efficient lifecycle management of equipment

### Safety & accessibility

- Safety and accessibility mean more than conforming with regulations. The important thing is to make the equipment safe and convenient for all users, including people in wheelchairs and families with children.
- Report checks for code compliance:
  - Elevators: EN 81-80 Safety standard, EN 81-70 Accessibility standard
  - Escalators: EN 115-2 Safety standard

### 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

### Performance

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

### Eco-efficiency

- There is great potential for energy savings and for improving ride quality and reliability at the same time
- Report shows where energy-efficiency can be improved

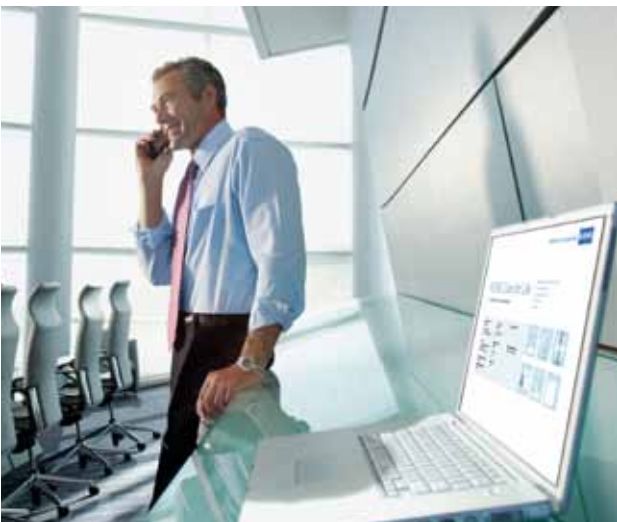
# A three-step process

KONE Care for Life™ has three parts: an assessment of your equipment, a report on its condition, and a recommendation for improvement.



## 1. Assessment

The first step is a thorough on-site evaluation by a KONE professional. This includes more than 150 checks of your installation, from the viewpoints of performance, safety, eco-efficiency, accessibility and aesthetics. The KONE technician reports every check into a reporting system where the data for that particular equipment are stored. For escalators, a two-level approach allows a survey of the escalator without stopping your equipment.



## 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 standards. For escalators, a two-level report underlines the improvement opportunities that may have been checked by stopping the equipment.



## 3. Solution

Once the deficiencies have been identified, together we can agree on an action plan to bring your installation up to the required standard. 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 modernising components to full modernisation or replacement.

# Full assessment of your equipment

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

## 1. 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 frequency converter, step chain, lubrication system and step rollers are also analysed.

## 2. Eco-efficiency

In both elevators and escalators, several issues are considered that can significantly cut electricity costs. Existing lighting is compared to LED lights. Standby operation is considered: this slows down the escalator step band or brings it to a complete stop after an adjustable time delay. Also in escalators, the machine, electrification, drive and step chain affect energy consumption.

## 3. Accessibility

For elevators, car accessibility is analysed, taking into account leveling accuracy, door opening and protection, and car size. An analysis of the signalisation is also performed.

For escalators and autowalks, people guidance systems, newels, signage, and the anti-slip properties of the tread surfaces of steps, pallets, comb plates and cover plates are considered. Also for moving walks, accessibility with shopping trolleys is assessed.

## 4. Aesthetics

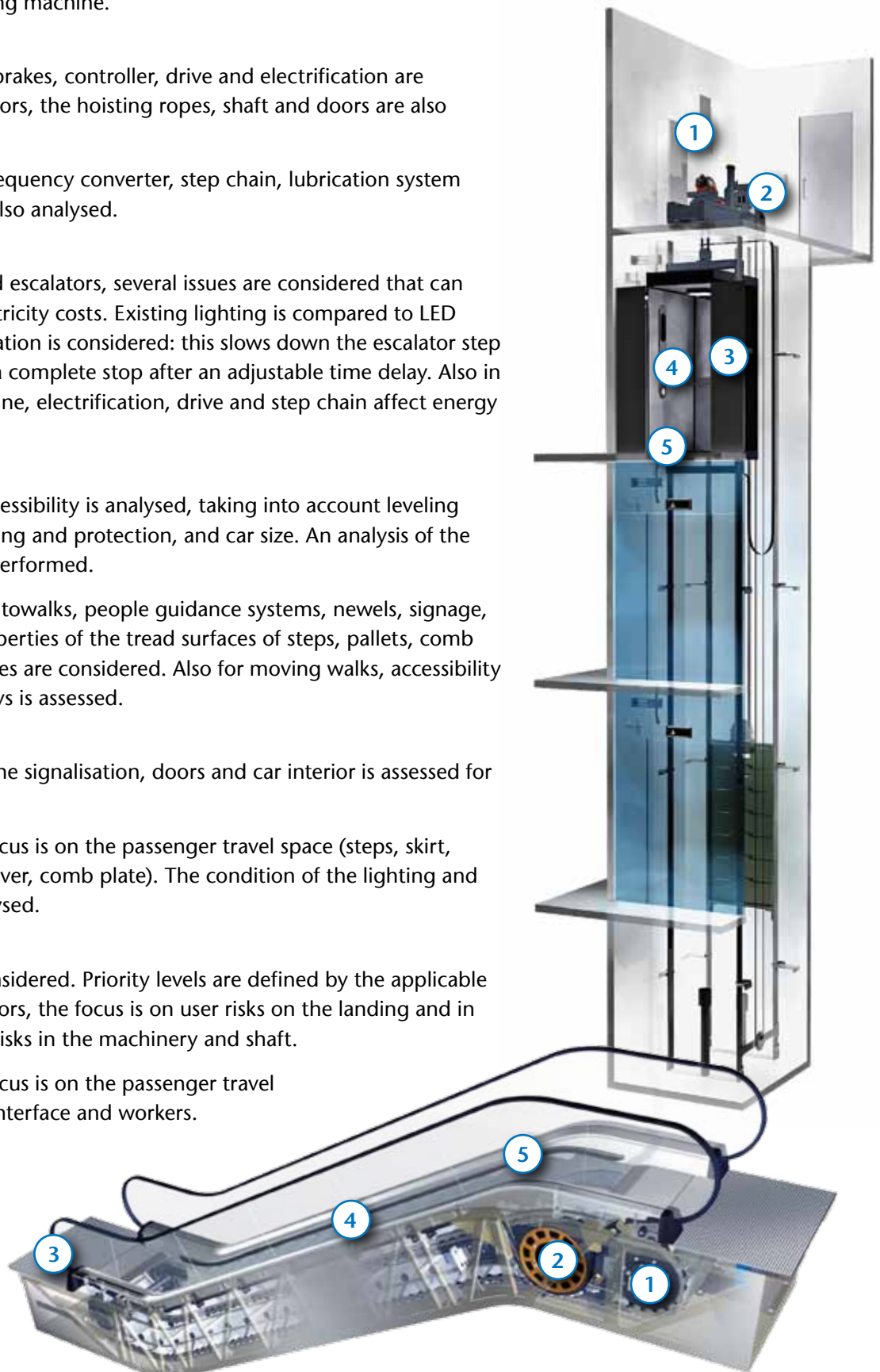
The visual status of the signalisation, doors and car interior is assessed for elevators.

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

## 5. Safety

Safety norms are considered. Priority levels are defined by the applicable standards. For elevators, the focus is on user risks on the landing and in the car, and worker risks in the machinery and shaft.

For escalators, the focus is on the passenger travel space, the building interface and workers.





KONE provides innovative and eco-efficient solutions for elevators, escalators, doors, loading bays and access. We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernisation. 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 UniDrive™, KONE MonoSpace®, KONE MaxiSpace™, and KONE InnoTrack™. You can experience these innovations in architectural landmarks such as 30 St Mary Axe and Broadgate and 201 Bishopsgate buildings, BAA Terminal 5, Emirates Stadium, Brunel University, Citigroup, Jubilee Line and St. Georges Wharf.

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

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