

# BEST-IN-CLASS ENERGY EFFICIENCY

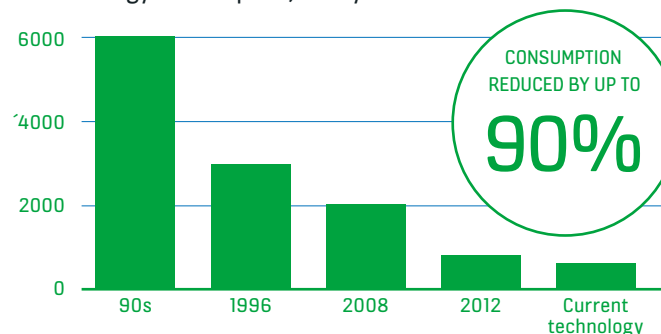
With more and more people moving to cities, designing adaptable, energy-efficient buildings with a low carbon footprint is essential. As well as being more sustainable, the buildings in tomorrow's urban areas also need to be well planned so that people can move around smoothly, safely, and comfortably.

The construction sector is responsible for 36% of global energy consumption, generates 38% of the world's energy-related carbon emissions, and consumes 50% of available resources. The sector's total carbon footprint is expected to double by 2060.\*

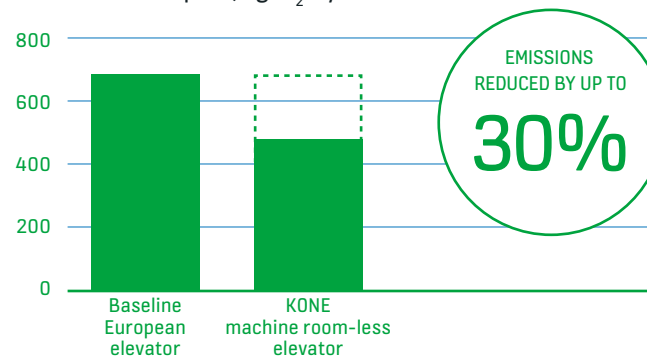
By innovating sustainable, energy-efficient solutions for buildings of all shapes and sizes, our goal is to help the construction sector to lay the foundations for a more sustainable urban future.

## ENERGY-SAVING POTENTIAL OF A KONE MACHINE ROOM-LESS ELEVATOR

Annual energy consumption, kWh/year



Annual carbon footprint, kgCO<sub>2</sub>e/year



\* According to World Green Building Council



### A-CLASS ENERGY EFFICIENCY

We have the widest range of elevators classified as A-class for energy efficiency according to the ISO 25745 standard. KONE was the first company to achieve the A-class energy efficiency classification for elevator installations.



### YOUR TRUSTED PARTNER FOR GREEN BUILDING DEVELOPMENT

Installing a KONE elevator can help your project to achieve green building certifications such as LEED or BREEAM. Certified buildings are future-proof, improve the well-being of the people who live and work in them, and help to reduce energy and resource consumption.



### UP TO 70% ENERGY SAVINGS

Partially or fully modernizing an elevator can reduce its energy consumption by as much as 70%. Our modernization solutions range from retrofitting LED lights to complete elevator replacement including energy regeneration technology.



## WAYS TO REDUCE ENERGY CONSUMPTION

### EFFICIENT HOISTING

Elevators equipped with the KONE EcoDisc® hoisting machine are 50–70% more efficient than elevators that use conventional traction 2-speed or hydraulic technology and, unlike hydraulic hoisting mechanics, require no oil.

### ENERGY-SAVING CAR LIGHTING

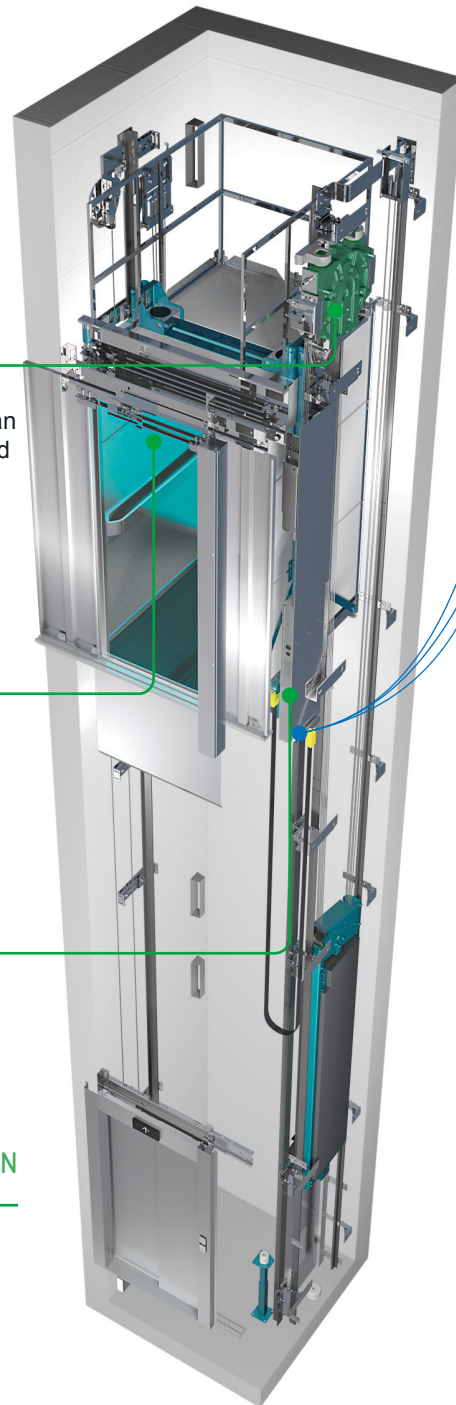
LED and eco-efficient fluorescent lighting can reduce energy consumption by up to 80% compared to halogen lights.

### ENERGY REGENERATION

KONE's regenerative solutions can cut energy consumption by up to 45% by recovering the energy created when the elevator is used.

### ENERGY-EFFICIENT STANDBY OPERATION

Our advanced standby solutions power down the equipment when it is not in use, providing substantial energy savings, especially in buildings where the elevators experience long periods of inactivity, such as in office buildings outside of peak working hours or on weekends.



KONE



With **KONE DX Class elevators** you can save energy and cut your building's carbon footprint with our eco-efficient hoisting, high-efficiency regenerative drive, long-lasting LED lighting, and energy-saving standby operation.



With **KONE UltraRope®** high-rise hoisting technology, you can cut the energy consumption of an elevator ride by up to 30%.



With **KONE People Flow Planning and Consulting** we help create future-proof, adaptable buildings that last. We gather data and simulate reality to get insights into what works and what doesn't – and why – to help your building achieve its full potential.



With **KONE Destination**, the elevator control system takes into account the desired destination floors and the number of waiting passengers to significantly improve elevator efficiency and make it possible to reduce the size and number of elevators needed in the building.

Scan the QR code to learn more, or contact your local KONE representative.

[www.kone.com/XX](http://www.kone.com/XX)

