

The background of the entire page is a photograph of a modern, multi-story glass skyscraper. The building's facade is composed of a grid of glass panels, reflecting the sky and surrounding environment. The perspective is from a low angle, looking up at the building. In the foreground, there are green trees and a street lamp, partially obscuring the base of the building.

# THE ELEVATOR WITH A COMPACT MACHINE ROOM

KONE S MiniSpace™

# KONE S MINISPACE™ – COMPACT AND RELIABLE

Kone is the industry leader in elevator and escalator innovation, we have continued our long history of innovative solutions for People Flow™ with the creation of the KONE S MiniSpace™ – a versatile elevator with a compact machine room that is ideal for offices, hotels and residential buildings. Powered by the revolutionary KONE EcoDisc®, it guarantees reliable operation, reduced noise levels, and provides outstanding performance for generations to come.

## Less space, faster construction

With KONE S MiniSpace, the machine room is simply an extension of the elevator shaft, making it easier and more cost-efficient to install.

## Impressive energy savings

KONE S MiniSpace elevators consume less energy and result in lower thermal losses than traditional machines.

## Attractive interior design

Our elevator design concepts are the work of renowned professionals and designers, who unite attractive interiors with practical durability.

## Excellent service from planning to maintenance

KONE offers full service throughout your building's lifecycle. From our expert traffic analysis to our flexible KONE Care™ maintenance plans and modernization services, we keep things running smoothly, safely and efficiently.

## A smooth and quiet ride

The V3F variable-frequency drive ensures a smooth, comfortable ride with superior acceleration/ deceleration profile, better floor-to-floor travel times, and precision leveling.

## Industry standards and requirements

All KONE manufacturing units are ISO 14001 certified and meet all elevator industry standards and requirements, including:

- EN81-20
- GB7588-2003 (EN81-1:1998)
- EN81-70 and EN81-72/GB26465
- EN81-73
- GOST and PUBEL codes
- Singapore CP2 Code

| KONE S MINISPACE ELEVATOR RANGE |  |
|---------------------------------|--|
| Max travel:                     | Up to 63 floors and 150 meters of travel |
| Max load:                       | Up to 1600 kg                            |
| Max speed:                      | Up to 3.0 m/s                            |
| Group size:                     | Up to 8 cars in 1 elevator group         |
| Car height:                     | Up to 3000 mm, TTC* available            |

\* TTC = Through Type Car (front and rear opening)



## ELEVATOR SPECIFICATION IN THREE SIMPLE STEPS

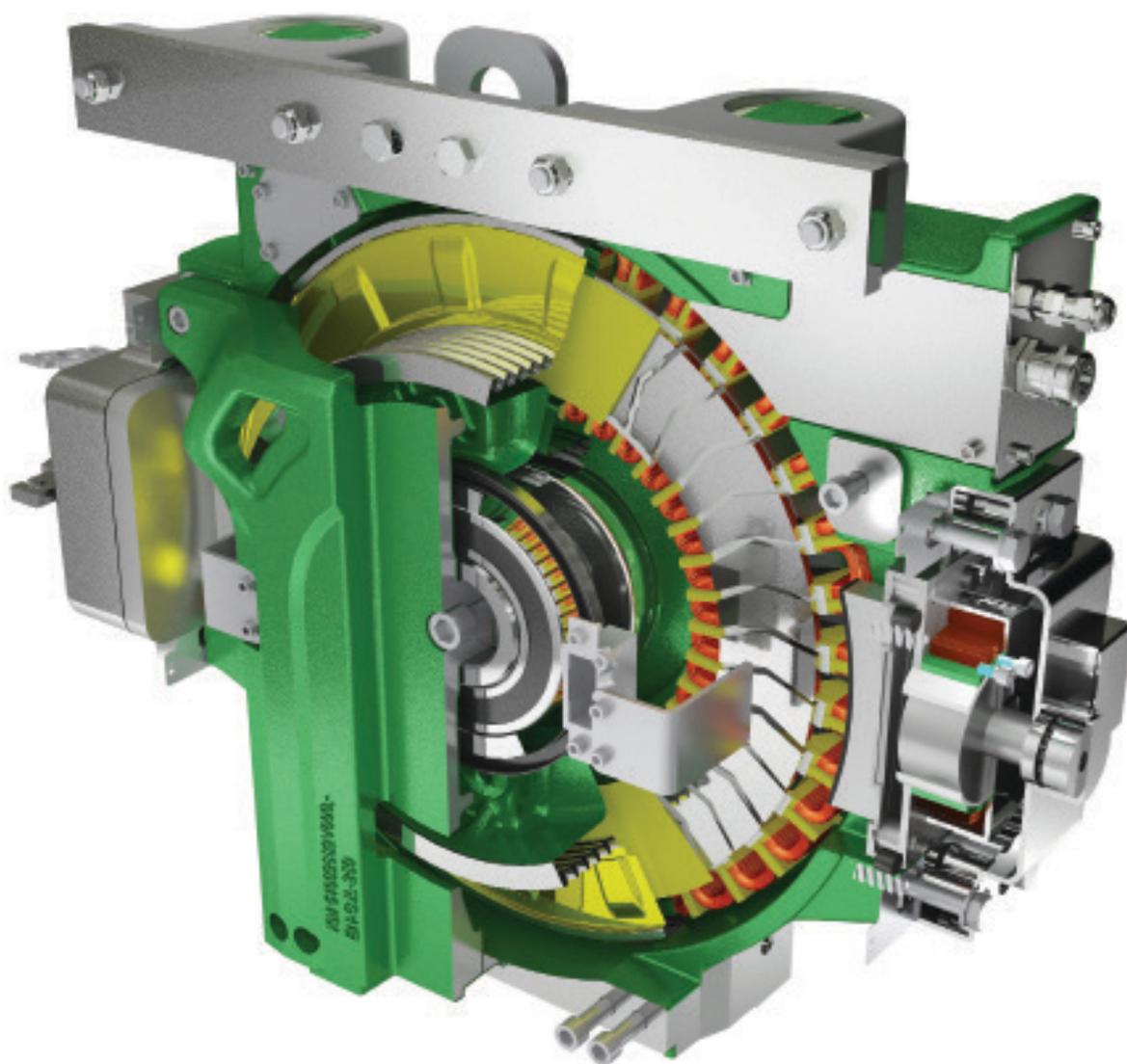
Specifying the optimal elevator solution for your needs takes just three simple steps:

- 1** Specify your elevator based on the expected People Flow™ and size of your building.
- 2** Choose a car design to suit your building interior from our professionally designed interiors or create a custom look and feel by choosing from the wide selection of materials in the KONE Design Collection.
- 3** Select additional options together with your sales representative to further enhance your elevator solution.

# TAKING ECO-EFFICIENCY TO NEW HEIGHTS

Save energy, save costs. It is a simple calculation with impressive results. KONE MiniSpace™ elevators, powered by the KONE EcoDisc® hoisting motor, consume less energy than other gearless elevators. KONE EcoDisc also results in lower thermal losses than traditional machines, bringing direct savings in terms of cooling and ventilation costs.

A more efficient hoisting motor is not the only way to reduce the total energy consumption of an elevator. KONE has analyzed every function and option in order to squeeze the total energy consumption.



The eco-efficient KONE EcoDisc hoisting system

### A green hoisting system

The KONE EcoDisc® hoisting machine made DC gearless and energy-hungry geared hoisting machines obsolete. The KONE EcoDisc permanent magnet synchronous machine, together with a vector-controlled drive system and energy regeneration options, provides the highest total efficiency and minimizes both mechanical and electrical losses.

### Regenerative drive

When the car is descending with a heavy load (or ascending with a light load), it contains potential energy. The regenerative drive recovers this energy, saving up to 30% of the total energy consumed by a typical 13-person KONE elevator.

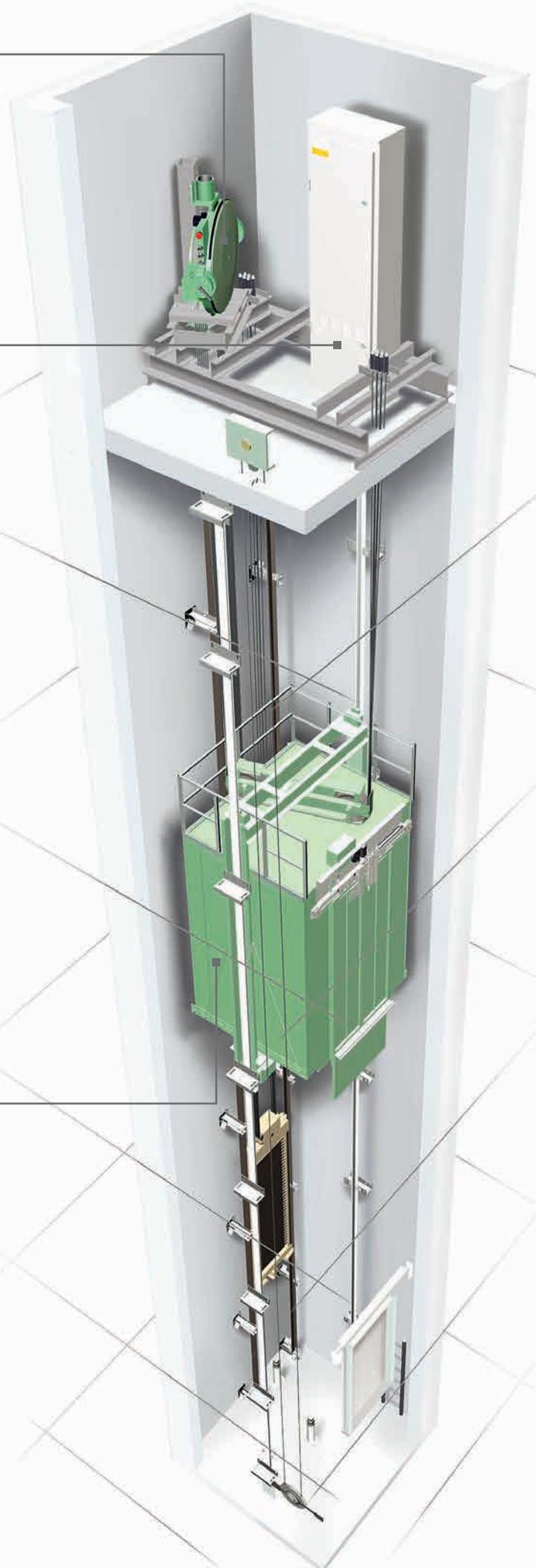
### Further energy savings with standby mode

Lights, signalization, and ventilation can consume a considerable amount of energy even when the elevator is not moving. In a residential elevator with a low usage rate, this can represent a considerable portion of yearly energy costs. KONE offers the following options to minimize energy consumption:

1. Automatic car light operation turns off the lights automatically when the car is not in use and on again when the car is called.
2. Corridor illumination control automatically controls the light on the destination floor.
3. The power stage of the drive is set to sleep mode when not in use.
4. Signalization displays are dimmed when not in use.
5. The car fan is turned off when the elevator is not in use.

### Eco-efficient car lighting

Surprisingly, the car lighting can account for up to 40% (1100 kWh) of an elevator's energy consumption. Halogen spots have been replaced with eco-efficient, long-lasting LED and modern fluorescent lighting technology. The lights are optimized for maximum efficiency and natural color saturation. LED lights last up to 10 times longer than traditional halogen bulbs and use up to 80% less energy.



# AWARD-WINNING DESIGN

THAT HELPS YOUR BUILDING STAND OUT

## WHAT SETS KONE DESIGN APART

- 1 Easy selection of car interiors**  
A collection of 52 functional and visually appealing designs created by KONE's award-winning design professionals.
- 2 The most flexible and versatile offering**  
100 different materials and accessories that can be combined freely and used in all elevator products, for both new buildings and modernization projects.
- 3 The most innovative materials**  
The combination of unique textured, patterned, and 3D-effect wall materials with novel lighting solutions creates a stunning visual effect.
- 4 Award-winning design**  
KONE's elevator and signalization design concepts have received both Red Dot and Good Design awards.



reddot design award  
winner 2012

2 Good Design awards  
4 Red Dot design awards

# SOLUTIONS FOR SMARTER AND SMOOTHER PEOPLE FLOW

KONE's comprehensive and flexible People Flow Intelligence solutions are designed to ensure smooth people flow in and around buildings while simultaneously providing improved security and access control. They are based on industry-leading technology that can be adapted according to your changing needs, adding real value to your property.

KONE People Flow Intelligence comprises solutions for access and destination control, as well as information communication and equipment monitoring.

## Destination

Destination control systems for increased elevator performance and passenger comfort.

## Access

Access control systems for increased building security

## Information

Systems for information sharing inside elevators and in lobby areas.

## Monitoring

Systems for monitoring and managing elevator and escalator operation.





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<sup>®</sup>, KONE NanoSpace<sup>™</sup> and KONE UltraRope<sup>®</sup>.

KONE employs close to 50,000 dedicated experts to serve you globally and locally.

**KONE Corporation**  
**[www.kone.com](http://www.kone.com)**

## KONE OFFICES IN SOUTH EAST ASIA

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| Surabaya              | +62 31 855 6383  |
| Yogyakarta            | +62 274 284 0089 |

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### Malaysia - KONE Elevator (M) Sdn Bhd

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| Johor Bahru                | +607 559 0885   |
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| Sabah                      | +6015 4818 9128 |

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### Philippines - KPI Elevators, Inc.

|                           |                 |
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| Makati City (main office) | +632 811 2929   |
| Cebu                      | +63 32 233 5790 |

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### Singapore - KONE Pte Ltd

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|-----------|---------------|
| Singapore | +65 6424 6246 |
|-----------|---------------|

**[www.kone.sg](http://www.kone.sg)**

### Thailand - KONE Public Company Limited

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|---------|---------------|
| Bangkok | +66 2784 6500 |
|---------|---------------|

**[www.kone.co.th](http://www.kone.co.th)**

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**[www.kone.vn](http://www.kone.vn)**

## DISTRIBUTORS IN SOUTH EAST ASIA

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| Comin Khmere | +855 23 885 640 |
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### Laos

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| Comin Asia | +856 30 777 4777 |
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### Myanmar

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| Octagon Automobile & Machinery Services Co., Ltd | +95 9 8631438 |
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### Sarawak(Malaysia)

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| Elebest Engineering Sdn Bhd | +60 82 365836 |
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