KONE MiniSpace™

ELEVATOR SOLUTION WITH A SMALL MACHINE-ROOM
Increased urbanization has had a tremendous effect on elevator development. Constant search for space-saving solutions has led the way towards more compact elevator technology. KONE has always been a forerunner in this field.

Our elevator technology is among the most innovative in the industry, and it exceeds today’s high design, safety, comfort, and performance standards. You are guaranteed to find the best solutions for your needs from our full range of platforms, designs, and options.

We are committed to providing high quality to our customers and the society. We have numerous well known and demanding reference cases to prove it. For example, Beijing International Airport, Trump Tower in Chicago, Swiss Re, Broadgate Tower in London, and many other prominent buildings around the world have all trusted KONE.
KONE MiniSpace™ – compact and reliable

We set the industry standard once again by creating KONE MiniSpace™ – the elevator range with a very small machine room. It is ideal for all kinds of passenger and freight transportation – from standard offices, hotels, and residential buildings to super high-rise buildings. Powered by the revolutionary KONE EcoDisc®, it guarantees reliable operation, reduced noise level, and outstanding performance.

SPACE-SAVING CONCEPT

The machine room is only an extension of the elevator shaft, which makes it very easy and cost-efficient to construct. The compact EcoDisc® leaves plenty of room inside the machine room. When lifting the equipment on top of the building during construction, the lightweight machinery requires much smaller cranes than traditional machineries. It can even be lifted up inside the elevator shaft.

NO CONSTRUCTION DELAYS

KONE MiniSpace™ technology enables you to enclose the building much earlier. This ensures that everything runs smoothly, and the elevators do not create any delays in construction projects.

GLOBAL TECHNOLOGY

KONE MiniSpace™ is based on the same proven KONE technology used in MonoSpace® and high-rise elevators delivered to the most demanding customers in the world.
KONE EcoDisc® – gearless energy miracle

In 1996, we assumed the technology leadership in the elevator industry by developing the KONE EcoDisc® hoisting machine. The current 3rd generation EcoDisc® has gone through 10 years of quality improvements – constantly increasing the application range, reliability, and ride comfort.

KONE EcoDisc® is the core technology of all our elevators. It features a permanent magnet synchronous motor, frequency control, and low friction gearless construction.

**VERY COMPACT AND COST-EFFECTIVE**

The most advanced axial flux permanent magnet motor weighs only half of the conventional power units. The gearless structure saves construction costs and enhances the external appearance of the building. Compact size minimizes elevator space requirements.

**STURDY AND DEPENDABLE**

The gearless construction reduces the number of wearing parts, increasing reliability and adding another safety factor in the elevator.

**ENERGY EFFICIENT AND ECOLOGICAL**

KONE EcoDisc® uses 50% less power than comparable conventional systems due to high electrical efficiency and low friction losses. This saves thousands of kilowatt hours per year. KONE EcoDisc® also creates much less thermal losses than traditional machines, which brings direct savings in cooling and ventilation costs.

**SMOOTH AND QUIET RIDE**

With KONE MiniSpace™ you get unparalleled ride quality and comfort. The highly reduced noise level and smooth ride result from low rotational motor speeds. The V3F variable frequency drive ensures superior acceleration/deceleration profile, better floor-to-floor times, and precision leveling.
Platform selection

When selecting your elevator platform, KONE can offer you several alternative solutions. We can help you analyze the transportation capacity requirements in each project and recommend an ideal elevator system. Standard KONE MiniSpace™ platforms can serve 38 floors or 120 meters of travel, transporting up to 21 persons per car at 2.5m/s.

For most buildings within this range, you can also choose the machine-room-less KONE MonoSpace® platform. Beyond this range, you can find a suitable platform in the KONE MiniSpace™ High-Rise solutions.

Within the selected performance range, KONE MiniSpace™ provides broad selection of car dimensions, single entry or through type car arrangements, and shaft layouts. For more detailed information on dimensioning, please contact the KONE sales office or refer to the planning instructions in www.kone.com

Easy to find the right solution

Residential, office, scenic or bed elevator – the options are endless and MiniSpace™ enables them all. Furthermore, the design options are also abundant. To help you decide how your elevator should look and feel, we provide a collection of designed solutions. They make it easy to choose the right elevator ambience for your building.

Check out the options in our separate R-series and C-series Designed solutions brochures. The exceptional range of choice and the ease of selection ensure that you’ll find exactly what you want.
KONE – the user’s choice

The value of your building depends on the impression it gives the visitors and residents alike. When you move in or come for a visit, the first impression is the one that lasts. The elevator plays an important role in this.

**SOPHISTICATED DESIGN**

Our numerous design elements enable you to achieve a perfect balance between your elevator and your building’s interior design. You can find a wide selection of elegant car models and design options in our design catalog.

**AMAZING PERFORMANCE**

When compared to traditional elevators, KONE MiniSpace™ offers exceptional performance in a very compact package. Its intelligent LCE control system makes sure your elevator is always in the right place at the right time and adapts to the changes in the operating conditions.

**SAFE AND ECOLOGICAL**

KONE EcoDisc® technology guarantees durability, safe operation, and low energy consumption, which in turn results in low operating costs and makes the elevator environmentally sound. It also ensures smooth and quiet ride.
Quality – value going up

KONE has achieved the leading technological position and outstanding quality through an open-minded approach to research and development, and a long-term commitment to invest in it.

EXCELLENT MATERIALS AND COMPONENTS

Quality is born in the factory. We carefully audit all our material suppliers, and manufacture and test every single component in a controlled environment. This way we can guarantee the outstanding reliability of our elevators.

EFFORTLESS INSTALLATION

The installation is fast, effortless, and cost-efficient. We have achieved this by perfecting the building interfaces, methods, and processes to the last detail. State-of-the-art tools, such as laser measurement and power car hoisting, ensure excellent installation accuracy. In addition to traditional installation methods, we also offer a fast-track, low-interference, and scaffoldless installation method.

PROVEN QUALITY

KONE elevators comply with all the required elevator standards, such as GB7588-2003, EN81-1and CP2 as well as GB16899-1993 (EN 115:1995). All the safety devices are compliant with the European CE requirements regardless of their place of manufacture. KONE also complies with the necessary Electromagnetic compatibility standards and has passed the ISO14001 certification audits.
Excellent service around the clock

The elevator, like all technical equipment, requires regular maintenance to keep it running. With the right maintenance program and spare parts, your elevators will maintain their value year after year. When developing our products, we always pay attention to serviceability, and our maintenance programs emphasize preventive maintenance. We were the first elevator service company to introduce a 24-hour, 7-day Service Centre. KONE maintenance is always near you wherever you build.

Our global network of service specialists ensures that even the most complex technical challenge is resolved quickly and effectively. We provide flexible maintenance options to meet your specific needs. Our maintenance programs take into account the type, age, and usage of your equipment to maximize reliability and safety and to minimize downtime and maintenance costs. Visit www.kone.com to find your nearest Service Centre.
KONE at the heart of your building

KONE is a global leader in providing complete and innovative solutions for the design, installation, modernization and maintenance of elevators and escalators and the maintenance of automatic building doors. Our 28,000 dedicated employees serve you in 49 countries.

KONE solutions and services are designed to provide a performance edge to our customers. By cooperating closely with you from the earliest planning stages of a project, we can determine the best means of ensuring the smooth flow of people and goods throughout your facilities during their entire lifetime.

KONE's space- and energy-saving machine-room-less, counterweight-less and double-decker elevator solutions are among the most innovative in the industry. Our modern escalator solutions offer absolute reliability and cost effectiveness. Our remote monitoring and modular modernization services allow for a proactive approach to maintenance and upgrades of your equipment. Life-cycle thinking underlies our commitment to reliable service and modernization solutions that meet today's higher design, safety, comfort, and performance standards.

KONE solutions can be found in many prominent buildings around the world such as the Trump Tower in Chicago, Swiss Re and Broadgate Tower in London, Beijing International Airport and the National Bank of Abu Dhabi. KONE is also the shipping world's preferred partner for on-board vertical flow management of people and goods.

Find your local sales representative at www.kone.com