



Unleash new possibilities

KONE High-Rise Modernisation DX solutions

www.kone.com.au

Dedicated to
People Flow™

KONE High-Rise Modernisation DX solutions

Next-generation elevator modernisation solutions with the latest sustainability technology achieve measurable energy savings and lower carbon emissions over the entire lifecycle.



Significantly reduced energy consumption with KONE UltraRope® and advanced call allocation.



Less required maintenance for better availability with durable hoisting and intelligent predictive maintenance.



Lower carbon emissions during the life cycle.



Flexible and adaptable elevator design for the best building today, and easier upgrades in the future.

Key specifications



Connected



Speed
10.0 m/s



Load
1,000–2,000 kg



Energy efficient
ISO 25745 A class
VDI 4707 A class



Max. floors
126*



Max. travel
640 m*



Max. passengers
26



Max. group size
12*

* Engage with the local frontline team regarding any requests that fall outside standard specifications'



Compared to equivalent steel rope alternatives KONE UltraRope® and Advanced DCS with the energy management function can reduce total energy consumption on a typical office day by up to

31%

Case example:
26 persons, 6 m/s 90m travel, based on an elevator group simulation

KONE High-Rise Modernisation

Flexible Control system

- SIL3 rated Programmable Electronic Safety system
- Future proof inbuild connectivity
- Absolute positioning system

UltraRope® hoisting

- Reduced energy consumption
- Minimised carbon footprint
- Less downtime

Vertical shaft optimisation

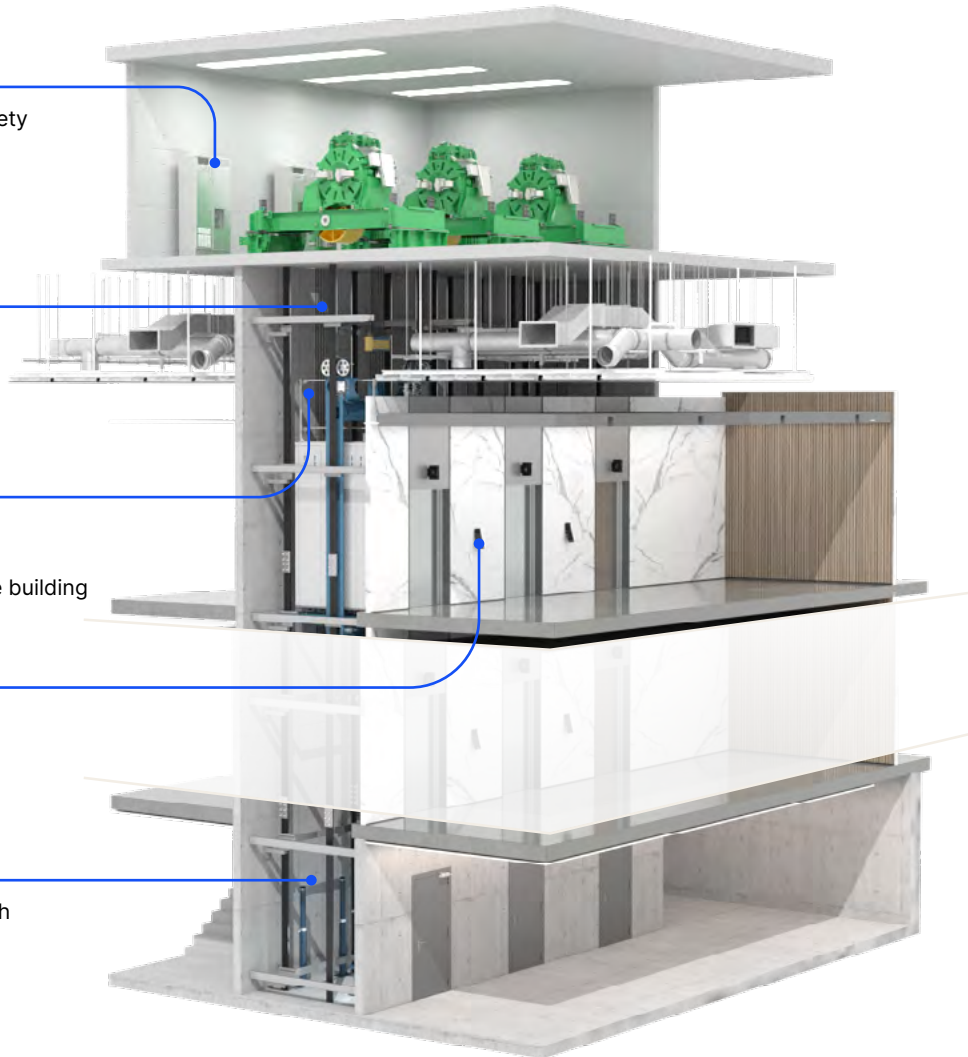
- Reduction in elevator vertical footprint
- Faster elevators to existing shafts
- Enabling additional served landing in the building

KONE Destination & Access

- Increase of handling capacity
- Reduction of energy consumption with energy management

No need for compensation

- Significant reduction in elevator pit depth
- Minimised elevator carbon footprint and energy consumption



A better way to modernise

Next-generation elevator modernisation solutions with the latest sustainability technology achieve measurable energy savings and lower carbon emissions over the entire lifecycle.

- 01** Increased building **competitiveness** supporting the retention and attraction new tenants by adopting latest technologies seen in competing new builds.
- 02** Increased user **experience** with effortless people flow throughout the building with stunning visual & audio design.
- 03** Increased equipment **performance** with increased speeds and people flow capabilities.
- 04** Increased **maintainability** and equipment uptime with latest generation of components, flexible and adaptable for easier upgrades in the future.
- 05** Increased **sustainability** rating by significantly reducing energy consumption with KONE UltraRope® and advanced call allocation.



Repowering People Flow

KONE modernisation solutions support adaptive reuse of the building purpose and enable significant gain in people flow performance.

Vertical shaft optimisation offers a speed upgrade over the performance of traditional steel ropes in the same space. Reduced machine room and headroom height enable an additional served floor. A lower pit height simplifies the basement structure for less excavation work.

Up to

50%

People flow improvement with less waiting time

Up to

2x

Higher speed elevators without construction works

Up to

2x

More elevator cars with single to double deck conversions



A better way to move

KONE High-Rise modernisation solutions increase people flow efficiency and enable design freedom.



Destination Control Systems

Grouping end users with similar destination floors dramatically reduces the number of starts & stops leading to increased performance whilst at the same time reduces energy consumption.



Elevator Speed Upgrades

Modern control technologies together with high friction hoisting media enable elevators to run at higher speeds without the need of additional construction works.



Double Deck Conversions

For highly populated towers conversion of traditional single deck to double deck elevators offers sufficient increases in people flow capacity without the need of adding additional elevator shafts.



Additional served landing

Reduced machine room and headroom height enable more effective use of space on the top of the building.

Increase the value of your building

KONE High-Rise Modernisation Solutions increases tenant satisfaction while lowering operational costs.



Improved availability

KONE UltraRope® and fully optimised maintenance minimises service interruptions for more satisfied tenants.

3X

Up to 3x longer rope lifetime for less time spent performing required maintenance.

6

At least 6 extra days of elevator availability when using KONE UltraRope®.

55%

55% fewer customer-reported issues over a 3-year period with KONE Care Predictive DX.

Lower lifecycle costs

Maximum energy efficiency and longer rope lifetime make the KONE High-Rise MiniSpace™ DX more economical to own.

31%

Up to 31% lower energy consumption on a typical office day.

∞

Always up to date and adaptable to future needs.

80%

80% of faults identified proactively by KONE Care Predictive DX.

Future-proof systems to maximise efficient operations

Adapt to the future needs of your tenants with an advanced control system that offers maximum flexibility with best-in-class services



Advanced connectivity offers a flexible architecture that leverages open APIs to power limitless user experience and design-related upgrades.



Accurate car positioning and operational speeds guaranteed for maximum safety and reliability.



Optimise the lifetime of your assets with KONE 24/7 Planner.

Differentiate with an enhanced user experience

Seamless visual integration with the building's interior design enhances the overall experience.



Simple, elegant design supports usability.



Flexible digital customisation means building can adapt to changing needs.



Optimised travel to destination saves time and reduces stress.



Consistent look and feel helps users to feel welcome and relaxed, even when waiting.

KONE offers sustainable solutions across the building lifecycle

01

Smart and future-proof building design

Expertise to find optimised solutions for the sustainable vertical transportation and building design.

02

Sustainable delivery and project management

Carbon-neutral KONE manufacturing units and sustainable construction practices.

03

Energy efficient solutions in operation

Lower costs and emissions with energy efficient solutions.

04

Maintenance with smaller carbon footprint

Keeping solutions in valuable use with optimised service processes.

05

Keep residual value through modernisation

Add the latest energy-saving technology while also increasing safety, accessibility and building value.

06

Circularity for less waste

Retaining components in partial modernisation. Up to 90% of materials in KONE solutions can be recycled.



Upgrade to KONE UltraRope®

A carbon fiber core offers:

3X

exceptional durability for a lifetime up to three times as long as steel.

80%

a significant reduction in rope mass (80% less than steel).



substantial energy savings over the entire travel range.



enables long travel heights (up to 1000 meters).



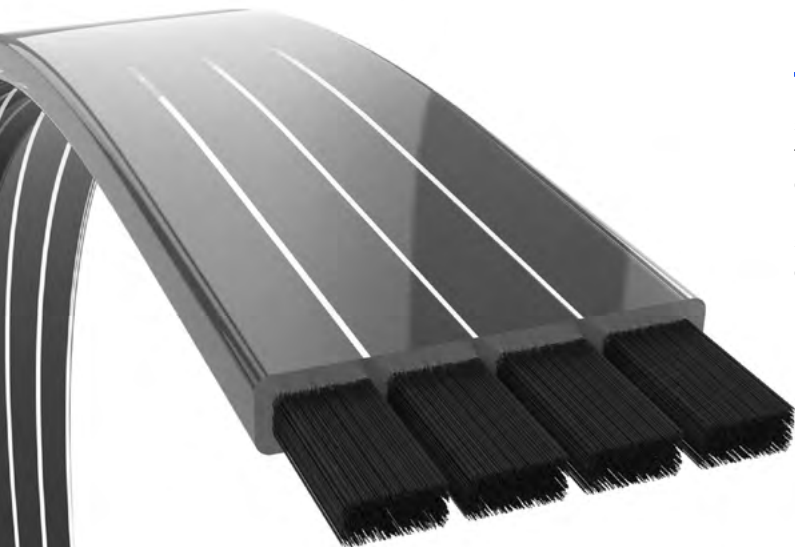
excellent strength properties with no permanent elongation.



reduced noise levels for increased in-car ride comfort.



significantly higher natural frequency that doesn't overlap with the building's natural frequency. You can safely use high rise elevators on very windy days.



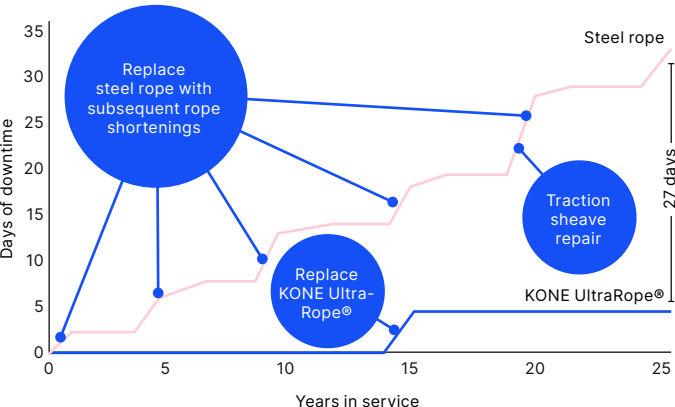
More uptime with KONE UltraRope®

Increase availability over the lifecycle of your next building with KONE UltraRope® and an optimised rope maintenance schedule.

162

days* more uptime per elevator group over a 25-year building lifecycle with KONE UltraRope®

KONE UltraRope® vs. steel rope: reduction in downtime



* Case example: calculated based on a group of 6 elevators over a 25-year building lifecycle



Did you know that KONE in Finnish means 'machine'?

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 modernisation. KONE is a global leader in managing the smooth flow of people and goods throughout buildings. This makes us a reliable partner throughout the life cycle of buildings. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE 24/7 Connected Services and KONE UltraRope®. KONE employs over 60,000 dedicated experts to serve you globally and locally.

AUSTRALIA

HEAD OFFICE

185 O'Riordan Street,
Mascot, New South Wales, 2020

CUSTOMER & SERVICE ADMIN

13 56 63 (13 KONE)
au@kone.com

EMERGENCIES & CRITICAL ISSUES

KONE 24/7 Customer Care Centre
1300 362 022

NEW ZEALAND

Level 2A, 22 Pollen Street
Grey Lynn, Auckland, 1021

0800 775 690
nz@kone.com

0800 775 663

To find out more, visit:

www.kone.com.au

www.kone.co.nz

This publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement this publication contains shall be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose, merchantability, quality or representation of the terms of any purchase agreement. Minor differences between printed and actual colours may exist. KONE MonoSpace® DX, KONE EcoDisc® and People Flow® are registered trademarks of KONE Corporation. Copyright © 2024 KONE Corporation.

Dedicated to
People Flow™