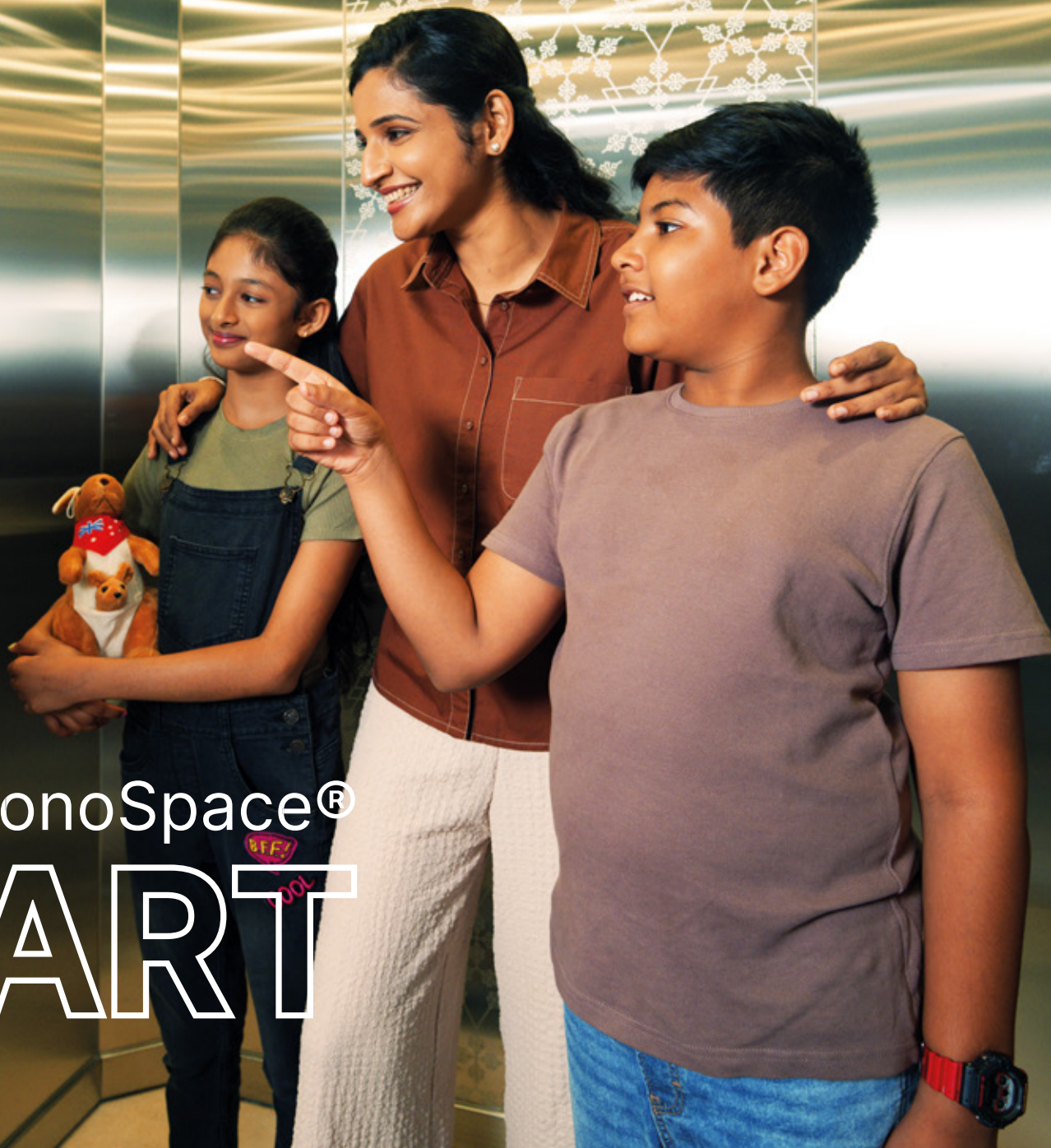


KONE

KONE A MonoSpace®
SMART



Unleash new potential with the **KONE A MonoSpace® SMART**; machine-room-less, gearless elevators for low-rise residential buildings. Equipped with state-of-the-art digital technology, these elevators take safety, ride comfort, connectivity and eco-efficiency to the next level.

Failsafe Technology

Enabled by PESSRAL based architecture, the electro-mechanical safety system is augmented by programmable electronic safety.

Future Ready Connectivity

Equipped to connect through APIs, opening doors to countless possibilities and adaptable for future innovations.

Energy-efficient Design

Sustainable and energy-efficient design to help reduce your building's carbon footprint.

Key specifications



Connected



Speed
0.63 m/s



Max. travel
30 m



Max. load
544 kg



Max. stops
12



Control system
Full / Down collective



Max. group
size 2



Door type
Centre/Side opening power
door with car door lock



A man and a woman are smiling and looking out of a glass window in a modern transit vehicle. The woman is wearing a blue and brown patterned sari, and the man is wearing a blue and white striped shirt. The text "The next level of safety" is overlaid in white, with a large white stylized 'Z' logo to the right.

The next level of safety

Enabled by the PESSRAL architecture, conventional safety system in the A MonoSpace® SMART is further enhanced by programmable electronic safety system to ensure maximum protection for every ride.

More safer than ever

- **Failsafe Redundancy**

The new design ensures redundancy and automatic trigger of machine in safe mode with dual channel safety controller.

- **Early Detection of Failure**

Programmable intelligent mechanism, capable of early detection and reporting of anomalies failure before any safety incident occurs.

- **Zero-bypass Safety**

Certified safety software to deter unauthorized bypass of the safety module, ensuring highest level of elevator safety.

- **Fortified Door System**

High-strength door design with entry and exit safety, further enhanced with a curtain of light and better fire rating.

- **Automatic Rescue Device**

Ensures highest level of user safety

What is PESSRAL?

"Programmable Electronic System in Safety Related Applications for Lifts", that uses failsafe electronics and software to monitor the safety chain. **KONE A MonoSpace® SMART** complies to IEC 61508 (SIL 3).



A man with curly hair, glasses, and a beard, wearing a dark suit and a white shirt, is standing in an elevator. He is holding a black smartphone in his right hand and looking at it. The elevator has a modern, metallic finish with a large digital display showing the number '1'. The background is a blurred view of the elevator interior.

The next level of connectivity



An intelligent elevator experience that makes your building an attractive prospect for tenants and visitors alike. Future-proof your building with market-leading smart elevator system enhanced with hardware for connectivity*.

*Optional feature: 24/7 Connect

Connect your elevator to your building

- **Plug and Play Connectivity**

All your other building technology can be connected from remote calling to your commercial property's Building Management System.

- **Contactless Access***

Smart key or badge to access the lobby door.

- **Less Waiting Time***

Comfort of calling the elevator from your mobile to reduce wait time.

- **Enhanced Building Security***

Integration of services like voice or face recognition that helps access control or identify unwanted visitors.

- **Real-time Elevator Monitoring**

Round-the-clock monitoring of elevator, helps us take care of it for you, now and in the future.

*Features can be availed through APIs with the building's digital services partner.

* KONE Solution available with Elevator call API.



End-to-end cybersecurity

Designed with cybersecurity in mind from the start. We follow secure software development processes to embed cybersecurity and privacy into our digital solutions throughout their lifespan. Our secure development lifecycle (SDL) process is certified to IEC 62443-4-1 issued by TÜV Rheinland.



The next level of sustainability

Decrease energy usage and diminish your building's carbon footprint throughout the elevator's lifecycle with our eco-efficient and standby features and solutions.

Increase your building's energy efficiency

- **LED Lighting**

Uses up to 90% less energy and lasts up to 25 times longer than traditional radiant bulbs.

- **Standby Mode**

Up to 10% saving when the elevator is not in use for 5 minutes and longer.

- **In-built THD Filter**

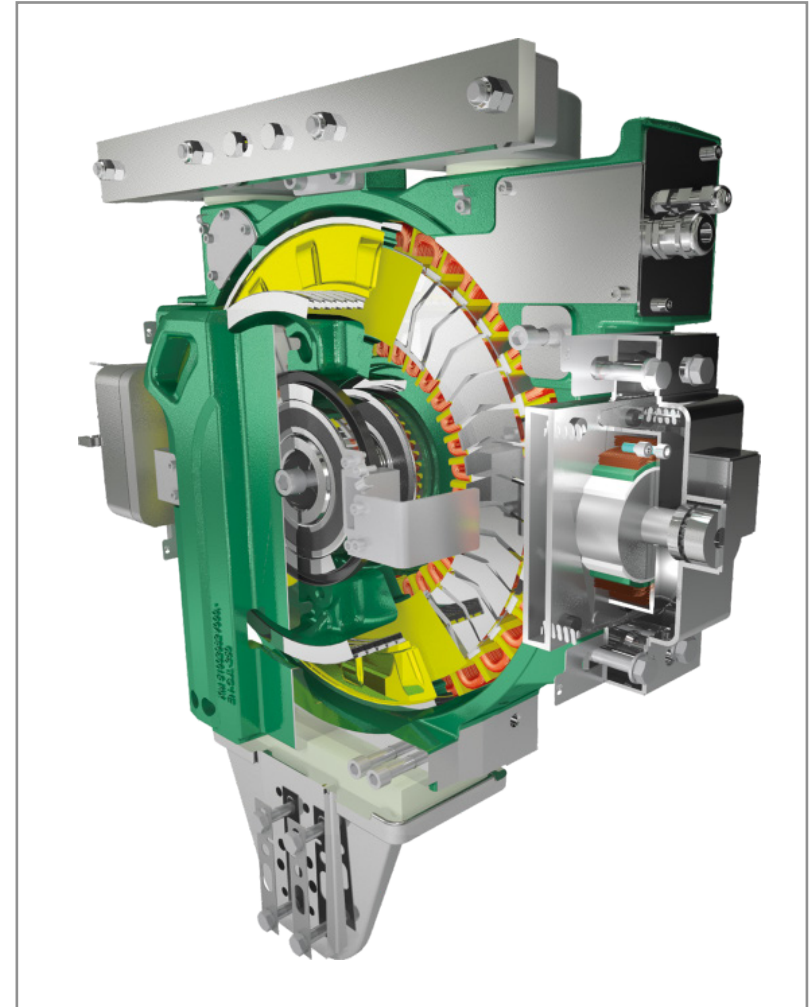
Lower total harmonic distortion reduces adverse effect on the building's power network.

- **Machine and Brake Safety - Highest in the Industry**

Automatic detection of brake condition providing peace of mind at every run and also at ideal condition.

KONE A MonoSpace® SMART is powered by KONE EcoDisc®, a proprietary machine-room-less, gearless technology that revolutionised the elevator industry. This gearless solution consumes less power which means smaller back-up generators for residential projects. It also results in zero losses due to inefficient gears, resulting in saving running energy costs while ensuring smooth, safe and comfortable rides every time.

Awarded the CDP's prestigious A List, ecovadis platinum medal and FTSE4Good Index Series





The next level of service

Effortless predictive service that uses AI-based data analytics to anticipate maintenance needs, reduce unexpected repairs and enable fact-based planning. Service from local experts supported by global network.

Complete peace of mind

Anticipates service needs with a proactive approach that combines expert knowledge and AI-based data analytics. Predictive maintenance uses the latest technology to reduce unexpected repairs and enables fact-based planning for elevators.

More uptime and less reactive work

55%

fewer customer-reported elevator issues over a 3-year period

Reduces unplanned work

80%

of faults identified proactively

Improves safety for tenants and users

40%

fewer customer-reported entrapments

Comprehensive plan for the future

360°

Lifecycle approach for repairs, upgrades and renewals

KONE 24/7 Connected Services

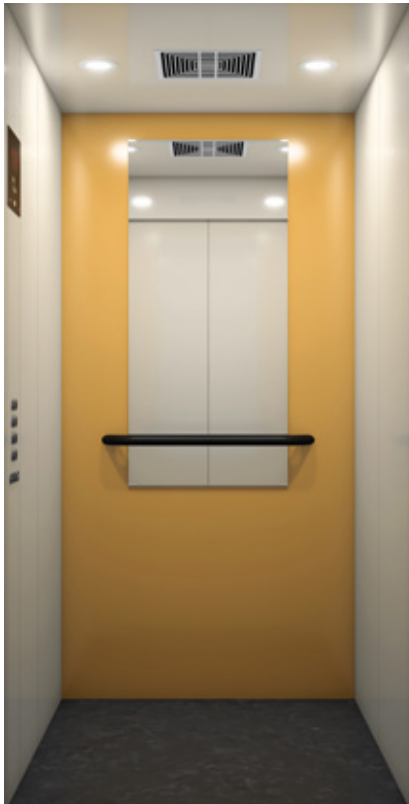
Real-time monitoring and intelligent data analysis allows us to anticipate maintenance needs and respond to equipment related issues proactively.



Car designs that elevate your senses

KONE A MonoSpace® SMART is available in refreshing new designs, making them attractive to the users of all low-rise residential buildings.

- Color options with dual finish
- Aesthetically designed LED spot light
- Durable materials and accessories
- Full stainless steel car option available
- Axial flow and Cross flow fan available as option for all the visuals



NEOPD001



NEOPD002



NEOPD003



NEOSS004

Accessories that add to the comfort

▼ Signalizations

Interact 10 (For CH2200)

COP



Full Height COP
7 Segment Amber

Simplex Surface
mounted design



LCI_Top



LCI_Intermediate



LCI_Bottom

KDS 90 (For CH2200 and CH2100)

COP



Full height COP
7 segment White



Full height COP
7 segment Amber

Landing Devices

Surface mounted design



Simplex LCI



Duplex LCI

Flush mounted design



Simplex LCI



Duplex LCI

KDS220

Landing Devices

Surface mounted design



LCI Simplex Top



LCI Duplex Top



LCI Simplex
Intermediate



LCI Duplex
Intermediate



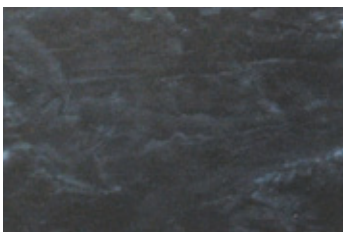
LCI Simplex
Bottom



LCI Duplex
Bottom

▼ Floor (PVC)

Local flooring available
as option (Customer scope)



Dark grey marble pattern floor design

▼ Hand rail



Round hand rail
Powder coated traffic black
(HR 64S)



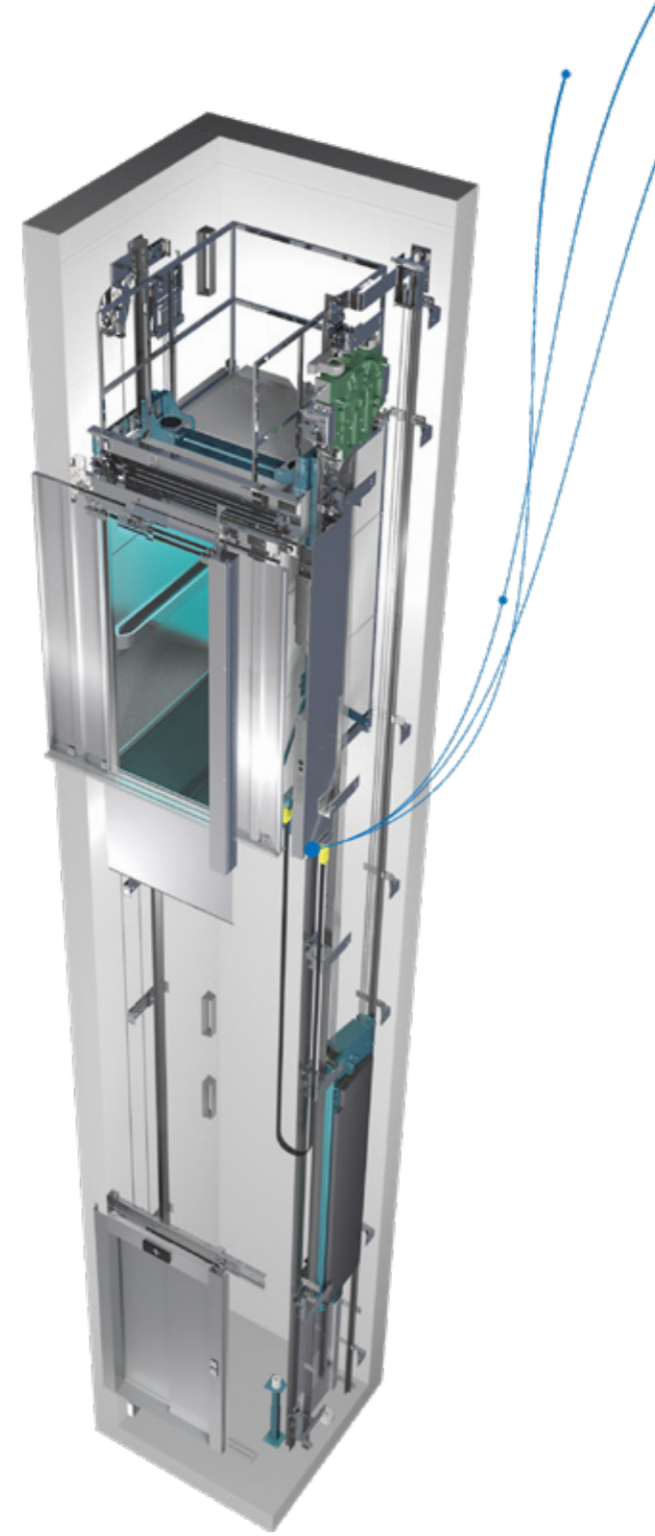
Round hand rail
Hairline stainless steel
(HR 64S)

Machine-room-less technology

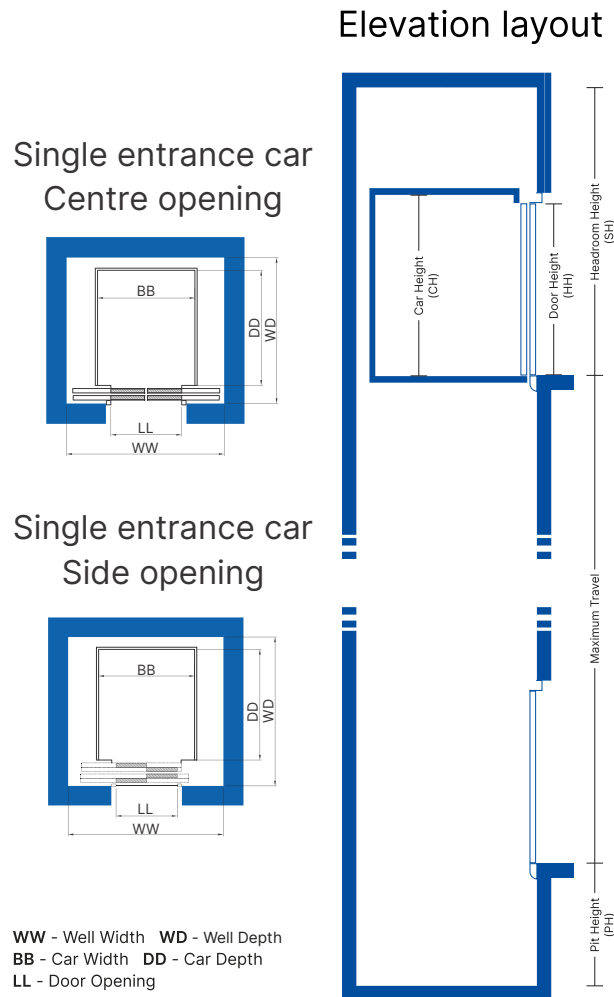
KONE A MonoSpace® SMART

Speed	0.63 m/s
Standard Inside Car Height [CH] (mm)	2100 / 2200
Standard Door Height [HH] (mm)	2000
Maximum Travel (m)	30
Standard Headroom Height [SH] (mm)	3600

*Note: For pit height(PH) details refer shaft information table



Layout and dimensions



Shaft information

#	No.of Persons	Load (kgs)	Car Width BB (mm)	Car Depth DD (mm)	Door Opening LL (mm)	Centre opening		Side opening		Min Pit Height (PH)
						Min Shaft Width WW (mm)	Min Shaft Depth WD (mm)	Min Shaft width WW (mm)	Min Shaft Depth WD (mm)	
Standard Shaft	5	340	950	1000	700	1550	1475	1500	1575	1300
	6	408	950	1150	700	1550	1525	1500	1625	
	6	408	950	1150	800	1750	1525	1525	1625	
	6	408	1100	1000	700	1650	1475	1650	1575	
	6	408	1100	1000	800	1750	1475	1650	1575	
	8	544	1100	1300	700	1675	1600	1675	1700	
	8	544	1100	1300	800	1775	1600	1675	1700	
	8	544	950	1400	700	1575	1700	1525	1800	
	8	544	1300	1100	800	1875	1500	1875	1600	
Small Shaft	4	272	850	900	700	1500	1250	1350	1350	1400
	4	272	950	800	700	1500	1200	-	-	
	4	272	950	800	800	1700	1200	-	-	
	5	340	900	950	700	1500	1300	1400	1350	
	5	340	900	950	800	1700	1300	1500	1350	
	5	340	950	900	700	1500	1250	1450	1350	
	5	340	950	900	800	1700	1250	1500	1350	
	5	340	950	1000	700	1500	1300	1450	1400	
	5	340	950	1000	800	1700	1300	1500	1400	
	6	408	1000	1000	700	1550	1300	1500	1400	
	6	408	1000	1000	800	1700	1300	1500	1400	
	6	408	950	1150	700	1500	1450	1450	1550	
	6	408	950	1150	800	1700	1450	1500	1550	
	6	408	1000	1050	700	1550	1350	1500	1450	
	6	408	1000	1050	800	1700	1350	1500	1450	
	6	408	1100	1000	700	1650	1300	1600	1400	
	6	408	1100	1000	800	1725	1300	1600	1400	

Note: • All shaft measurements specified are taken over plaster. • Shaft dimensions are to be maintained to a tolerance of 0, +25mm. • For more details on minimum shaft sizes contact our sales team

Features

Standard	
OLF C	Overload Function Constant Indication / Buzzer
CEL	Car Emergency Lighting
FRD	Fireman's Drive
ABE M	Alarm Bell
COD	Correction Drive to next level
DOB	Door Open Button
SRC	Curtain of Light in car
ACLC	Accurate Relevelling, Automatic, Closed Door
CCB	Car Call Backwards

Standard (Energy Saving)	
OCL	Operation of Car Light- Automatic
OCV	Operation of Car Ventilation-Impulse and Automatic
BLF	Bypass Load Function

Optional	
EBD A	Emergency Battery Drive Automatic (ARD)
ISE C	Emergency Intercom car MAP-control room
NUD NB	Nudging
PAD C	Parking at pre-defined floor, door closed
ACU	Lift Announcer (LAS)
CTV I	CCTV Camera in the car Interface only
GOC	Acoustic Device for arrival, on Car
BMS	Building Management System, Interface only
FET	Floor Extension Top
FEB	FEB Floor Extension Bottom
	K-Guard
	Braille Button



Trusted partner for the lifetime of your building

Your journey with KONE is a simple one. In a complex project, the pressure to stay on schedule and within plan is high. Our people and partners, from installers, site supervisors and project managers, are fully committed to the highest customer satisfaction in the industry. That is why we have the best processes and tools to support you every step of the way.

Professional Project Management

When you buy a solution from KONE, you're getting far more than just equipment and installation. Every single project we handle is led by a professional project manager with solid experience of running similar projects.

Site Readiness

To make sure everything we need is in place before we begin installation, we can monitor and report the readiness state of the site.

Efficient Installation

The KONE elevator installation process doesn't require scaffolding, which cuts costs and minimizes disruption to other construction work on site.

Quality Assurance and Maintenance

Before your elevator is handed over, we take every necessary measure to ensure that you're taking delivery of a high-quality solution that will run as it should from day one.



We move 2 billion people every day

We are a global leader in the elevator and escalator industry, making people's journeys safe, convenient, and reliable with smart and sustainable People Flow®. In a world where cities are constantly evolving and more and more people choose to live in them, we at KONE have one single purpose: to shape the future of cities. We help cities leave a positive mark on the planet - for the next century and beyond.

100+ Years
founded in
Finland in 1910

40+ Years
of operations
in India

160 Countries
operations across
the globe

6,00,000+ Customers
builders, building owners,
facility managers, architects

At KONE, our purpose is to shape the future of cities. As a global leader in the elevator and escalator industry, we move two billion people every day, making their journeys safe, convenient, and reliable with smart and sustainable People Flow®. As a trusted partner throughout both the building and equipment lifecycle, we support our customers every step of the way: from design, manufacturing and installation to maintenance and modernization. We are fast and flexible, earning a well-deserved reputation as a technology leader, with innovations such as KONE 24/7 Connected Services and KONE UltraRope®. KONE employs over 60,000 experts in over 160 countries, to serve you globally and locally.

KONE Elevator India Private Limited

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