

Elevator Technology

# thyssenkrupp Elevator (India)

Company Overview



thyssenkrupp



# thyssenkrupp moves people - the future of urban mobility.

In 40 short years, we've become one of the world's leading elevator companies with unique engineering capabilities, offering next-generation solutions like MULTI, the ropeless elevator, ACCEL, an accelerated people mover, and MAX, a cloud-based predictive maintenance

service. Whether building a new state-of-the-art system or optimizing and modernizing existing ones, our solutions deliver crucial energy and time efficiencies, helping to address the challenges of urbanization and transform cities into the best places to live.



Customers in  
**150**  
countries



Over 1,000  
sales and  
service  
locations

Sales of  
**€ 8.0** billion

**50,000+**  
employees 

Figures for our Elevator Technology business

## A trusted partner

We support our customers throughout their project lifecycle, from the design to the end-of-life phase. Every step of the way, we strive to fully understand their needs and consistently deliver the safest, highest quality passenger transportation solutions, maintenance and modernization packages.

Through our International Technical Services, a global network of centers of excellence, thyssenkrupp trains over 24,000 service technicians in a multibrand portfolio, enabling them to successfully service more than 1.2 million units under maintenance. This is a unique concept in the industry and an invaluable advantage for our customers.

## Your innovation partner.

Our mission is to make cities the best ever places to live by being the driving force of an industry that moves more than 1 billion people every day.

Learn more  
about us online.





One World Trade Center



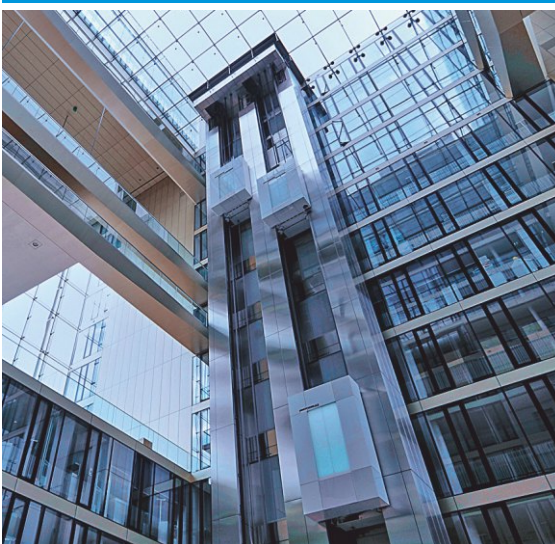
Makkah Clock Tower / Source © SL Rasch

We provide smart and innovative products for a wide variety of applications:

- Passenger and freight elevators
- Escalators and moving walks
- Passenger boarding bridges, ground support equipment and intelligent gate systems
- Stair and platform lifts
- Customized service and modernization solutions







Mercedes Benz



thyssenkrupp Quartier

# Global manufacturing centres.



-  Elevators
-  Escalators
-  Airport solutions
-  Home solutions

# Global innovation centres.



## Rottweil (Germany)

Tower height: 246 meters (807 feet)

12 shafts in total: Tests and certification of high-speed-elevators (up to 18 m/s) and innovations

3 shafts dedicated to MULTI

Close to elevator plant in Neuhausen and high-tech belt around Stuttgart

Highest observation deck in Germany with 232 meters - regional tourist attraction

Meeting rooms and event venues with a 360° panoramic view



## Atlanta/Georgia (USA)

Innovation and Qualification Centre (IQC)

Due for completion in 2021

Tallest elevator test tower in the U.S. with 128 meters height (420 feet)

18 shafts: development of innovative elevator systems (e.g. TWIN, MULTI and high-speed elevators) and safety tests

900 full-time employees across 3 facilities

Investment of \$300 million in the US over 10-15 years



## Zhongshan (China)

248 meters high (813 feet)

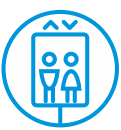
13 shafts to develop and test innovative elevator systems (e.g. MULTI and high-speed elevators) and to conduct safety tests

Improves manufacturing and R&D capabilities in China

Provides more innovative and efficient technologies for a growing market: 500,000 units being installed each year in China

Total investment of 128 million US\$: strong symbol of thyssenkrupp's commitment to investing in R&D activities in China

# New installation solutions that take India forward.



## Elevators

- Reliable, Efficient, and Value for money elevators for Medium/Low rise buildings.
- Smart, Fast and Energy-efficient elevators for high-rise buildings.
- Comfort and performance driven, customized elevator solutions.



## Escalators

- Innovative, and dependable escalator for high-traffic areas.
- Commercial escalator series to cater to the whole bandwidth of commercial applications.
- Powerhouse escalator for high-heights.



## Moving walks

- Versatile moving walk for large airports, railway stations and other public and commercial spaces.
- Pit-less easy to transport, easy to handle, easy to install moving walk.
- Innovative and user-friendly accelerating moving walk.

# Reliable service solutions

## Team service-

## Your know how network.



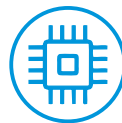
### Trained service team

- Over 950 trained service employees provide round the clock support even at the remotest locations.



### 24 x 7 call centre

- Our 24 x 7 centralized call centre provides support in 8 most widely spoken languages.



### Central spare parts warehouse

- As a single management and storage point, central spare parts warehouse in Chakan, Pune aims at maintaining availability of all spare parts to optimize inventory management and logistics processes.



### Prescriptive maintenance

- We offer prescriptive maintenance services to ensure a consistent, proactive and predictable process you can rely on.



### Online payment solution

- thyssenkrupp Pay Now - online payment solution, offers comfort, convenience and flexibility to make payments on the go.



### Use of smart tablets

- With the help of smart tablets, our technicians can access routes, manuals, technical data banks, and expert's advice from remote locations and thus offer a superior service experience to our customers.



### In-house training institution

- SEED campus, the thyssenkrupp elevator training institution, ensures that our team is continually and systematically trained to deliver the services you can depend on.



### Technical support

- We have International Technical Services centres (ITS) to provide expert technical support when required.

# Customised modernization solutions.



## Improved performance

Improved overall performance of elevator to decrease maintenance and utility costs.



## Various packages

Modernization with thyssenkrupp gives you the freedom to combine packages and products that bring you the latest technology at a value that fits your budget.



## Reduced power consumption

Reduced power consumption, lessen breakdowns and downtime - leads to significant decrease in overall operating cost by avoiding frequent replacement of spare parts.



## Improved elevator performance

Even without a full-scale replacement, you can improve elevator performance, aesthetics, and have an enjoyable experience.



## Advanced technologies

Advanced technologies in our power systems (controller, machine, drive) and door operation improves the traffic handling capacity and energy efficiency of your existing elevator system.



## Free health check-up

We offer free diagnosis and preventive health check-up for your elevators.



## Improved safety

Our modernization solution meets the latest safety standards and compliance codes thereby improving your elevators' safety, reliability and overall performance.



## Reliable and efficient service team

Our service team help you decide what, when, and how to modernize by making planning and budgeting, simple and efficient.



# Innovative Technology-MULTI

## A new era of mobility in buildings.

Imagine increasing elevator capacity and optimizing traffic while reducing the system's weight and footprint.

That's what we've done with MULTI, the world's first rope-free elevator. MULTI requires no cables, and uses a multi-level brake system and inductive power transfers between shaft and cabin. This allows the elevator to occupy smaller shafts than conventional elevators, which can increase a building's usable area by up to 25%.

Imagine freeing tall building design from the constraints imposed by conventional elevators.

By moving multiple cars in a single shaft vertically and horizontally at a targeted speed of 5 m/s, MULTI enables passengers to have near-constant access to an elevator cabin every 15 to 30 seconds, with a transfer stop every 50 meters. MULTI leverages the power of linear motor technology to usher in a new era of mobility in tall buildings and urban centres alike.



In a manner similar to a metro system operation, the MULTI design can incorporate various self-propelled elevator cabins per shaft running in a loop, increasing the shaft transport capacity by up to 50% making it possible to reduce the elevator footprint in buildings by as much as 50%. The overall increase in efficiency also translates into a lower requirement for escalators and additional elevator shafts, resulting in significant construction cost savings as well as a multiplication of rent revenues from increased usable space.

### MULTI ensures:

- Shorter waiting times
- Significantly increased capacity
- A smaller elevator footprint
- Substantially reduced elevator weight and mass

# Innovative Technology-TWIN Elevators

## Two cabins, one shaft, 0 crowd.



### TWIN Elevators

Two cars, one shaft - making queuing a thing of the past. thyssenkrupp is the first elevator manufacturer to provide the revolutionary TWIN® elevator system.

#### Advantages of TWIN® elevator system:

- Reduces shaft core size
- Increases net leasable area
- No problem serving varying floor-to-floor heights
- Reduces passengers' waiting and travel time to a minimum
- Energy and material savings

### Destination Selection Control (DSC)

Our intelligent control system assigns passengers to the most suitably placed elevator, once they have entered their intended destination on the keypad in the elevator lobby, thus reducing lift lobby congestion and travelling times. Our Destination Selection Control system can be applied to new buildings and existing elevator groups, allowing additional passenger carrying capacity without any major structural alterations to existing buildings.

Additional functions can also be incorporated, including pre-programmed journeys using a swipe card or numeric PIN code, corporate branding on the touch screen terminal graphics and VIP/emergency call overrides to gain immediate access to an elevator.

# PAN India network.

Nation-wide network of 4 Regional Offices, 24 Branches and 74 Service and Response Centres.



State-of-the art, Multi-Purpose Facility at Chakan, Pune



## Service Response Centres (SRC)

Agartala, Agra, Ajmer, Akola, Allahabad, Amravati, Amritsar, Aurangabad, Bareilly, Belgaum, Bhatinda, Bhilai, Bhopal, Bhutan, Bokaro, Chandrapur, Cuttack, Davangere, Dehradun, DIAL-Delhi, Durgapur, Erode, Gorakhpur, Gwalior, Hospet, Hubli, Jabalpur, Jalandhar, Jammu/Katra, Jharsuguda, Jorhat, Kannur, Kanpur, Karur, Karwar, Kolhapur, Kollam, Kota, Kottayam, Ludhiana,

Madurai, Mysore, Nagpur, Nashik, Palakkad, Panipat/Sonipat, Patna, Pondicherry, Rajkot, Raichur, Ranchi, Salem, Satna, Shaktinagar, Shimoga, Sikkim, Siliguri, Solan, Srinagar, Surat, Thrissur, Tirunelveli, Tirupati, Tirupur, Trichy, Trivandrum, Tuticorin, Udaipur, Udipi, Manipal, Valsad, Varanasi, Vijayawada, Visakhapatnam & Vadodara.

**thyssenkrupp Elevator (India) Pvt. Ltd.**

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Toll free number : 1800 102 8500

**Head Office & Multi Purpose Facility (MPF)**

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**North Region**

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Delhi - 110092

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**West Region**

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33rd Cross Road, 4th Block East, Jayanagar  
Bengaluru, Karnataka - 560011

Phone: +91-80-41369400