

# ENTA100 GOING BEYOND THE ESSENTIALS

Reliable and best-valued  
elevator for residential  
buildings.









# enta100

## going beyond the essentials

TK Elevator's enta100 is a reliable and efficient elevator that has been designed to fulfill the needs of value for money residential segment.

It's smart mechanical design and cost saving features not only match the essential needs of the Indian market, but also go beyond them.



### Makes business sense

Reduced construction cost and efficient space utilization provides value for money.



### Gives peace of mind

Reliable TK Elevator engineering at the highest industry standards.



### Brightens-up your building

Multiple car interior design options to compliment your building ambience.

## DESIGNED FOR

- Residential buildings in the public and private sector

## SPECIFICATIONS

Application	MR, MRL	
Max. rated load	544 kg	
Max. rated speed	0.63 m/s	1.00 m/s
Max. number of stops/landings	08	16
Max. travel height	21 m	45 m

# Makes business sense

enta100 is your trustworthy, value for money elevator solution that meets Indian market needs.



## Fast & effective installation

enta100 smart mechanical setup features pre-assembled components and surface-mounted fixtures, making installation fast, safe, and cost-effective.

## Multiple car and shaft size options

It comes in 11 popular Car sizes to cater to Indian market needs. ACO/ATO door options further ensures optimal building space utilization.

## Reduced construction cost

Machine Room Less [MRL] arrangement reduces the construction cost by eliminating the need for a machine room. It also offers smaller overhead and pit height.



# Gives peace of mind

enta100 reliable engineering and efficient operations provide peace of mind for the users.



## Engineered to match TK Elevator standards

enta100 is engineered to match TK Elevator standards, based on stringent German product design criteria.

## Reduced energy bill

Energy-efficient components and features ensure efficient operations. The compact and lightweight Gearless Permanent Magnet Synchronous (PMS) motor uses 30% less energy compared to conventional geared machines.

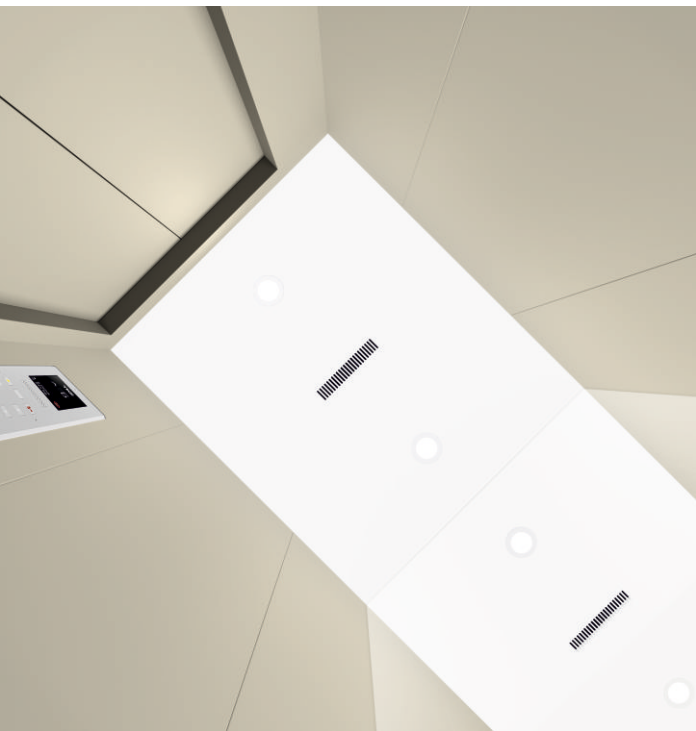
## Designed for a safe ride

Active safety features such as overload notification, full load bypass and infra-red full-height light curtains ensure passenger safety. Passive safety features such as an emergency light and alarm in the COP, automatic rescue device and fireman switch adds to passenger safety.



# Brightens-up your building

enta100's interior designs and fixtures are crafted to enhance the overall ambience of your building.



## Accessories

A chance to enhance the user experience through design detail.



## Fixtures

Every user interaction point is an opportunity to delight.



## Aesthetics

Selected by our in-house design team for your personal composition.



# CLASSIC







Soothing classic powder-coated finishes imbue positivity and calmness in the atmosphere.



## 1 VERVE

	Ceiling Signal White		Side Wall Oyster White		Rear Wall Oyster White		Front Wall Oyster White		Door Oyster White
	Floor PVC Black Button								

## 2 SANGUINE

	Ceiling Signal White		Side Wall Light Grey		Rear Wall Light Grey		Front Wall Light Grey		Door Light Grey
	Floor PVC Black Button								



SL1AR



# VIBRANT

Bright powder-coated pastel shades imbue vibrancy and positivity into your elevator.



## 1 DEEP BLUE

	Ceiling Signal White		Side Wall Light Blue		Rear Wall Light Blue		Front Wall Light Blue		Door Light Blue
	Floor PVC Black Button								

## 2 REGAL BLUE

	Ceiling Signal White		Side Wall Light Blue		Rear Wall Light Blue		Front Wall Light Grey		Door Light Grey
	Floor PVC Black Button								



HL1AR



# STYLISH

Trendy colors and interior design add style and freshness to your elevator.



## 1 GOLDEN FLAIR

	Ceiling Signal White		Rear Wall Pearl Gold		Front Wall Oyster White		Door Oyster White
	Floor PVC Black Button						



HL1AR

# STYLISH

Stylish and sophisticated stainless steel finishes elevate your building's ambience.



## 2 SILVER GRACE

	Ceiling Silver Metallic		Side Wall SS No. 4 Finish		Rear Wall SS No. 4 Finish		Front Wall SS No. 4 Finish		Door SS No. 4 Finish
	Floor PVC Black Button								

## 3 URBAN GRACE

	Ceiling Silver Metallic		Side Wall SS Linen		Rear Wall SS Linen		Front Wall SS Linen		Door SS Linen
	Floor PVC Black Button								



HL1AR



# CONTEMPORARY

Striking, modern stainless steel etchings give the elevator an alluring and sophisticated appearance.



## 1 MAGICAL STRIPES

	Ceiling Silver Metallic		Side Wall SS Mirror		SS Mirror Etched Regal Stripes		Rear Wall SS Mirror		Front Wall SS Mirror		Door SS Mirror
	Floor PVC Black Button										

## 2 GRAND DESIGNO

	Ceiling Silver Metallic		Side Wall SS Mirror		SS Mirror Etched Melange		Rear Wall SS Mirror		Front Wall SS Mirror		Door SS Mirror
	Floor PVC Black Button										



HL1AW

# FIXTURES

User-friendly controls and displays make each passenger journey a delight.

## Car Operating Panel



Type	SL1AW	SL1AR
Faceplate	SS No. 4 Finish	SS No. 4 Finish
Display	Seg. White-LED	Seg. Red-LED
Button/ Illumination	MT42 S/AN180 S White	MT42 S/AN180 S Red



Type	HL1AW	HL1AR
Faceplate	SS No. 4 Finish	SS No. 4 Finish
Display	Seg. White-LED	Seg. Red-LED
Button/ Illumination	MT42 S/AN180 S White	MT42 S/AN180 S Red



## Landing Indicator Operating Panel



Type	LS2AW	LD2AW	LS2AR	LD2AR
Faceplate	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish
Display	Seg. White-LED	Seg. White-LED	Seg. Red-LED	Seg. Red-LED
Button/	MT42 S/ AN180 S	MT42 S/ AN180 S	MT42 S/ AN180 S	MT42 S/ AN180 S
Illumination	White	White	Red	Red

## Button



Name MT42 S

Illumination White Red



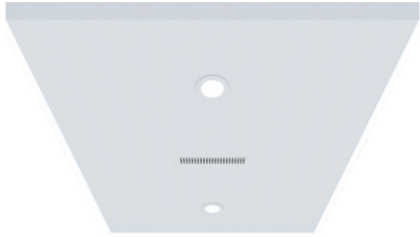
Name AN180 S

Illumination White Red

- Braille inscription is available as an option

# ACCESSORIES

## Ceiling



Twin Light

- **Ceiling Finish:**  
**Integrated Ceiling:**  
Powder-coated cabin: Signal white  
Stainless steel cabin: Silver metallic glossy/SS No. 4 finish

## Mirror



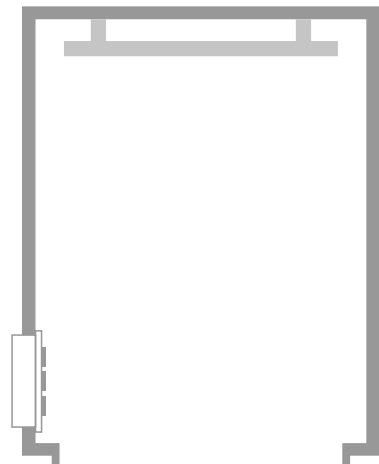
Full-width, Half-height

## Handrail



SS Hairline

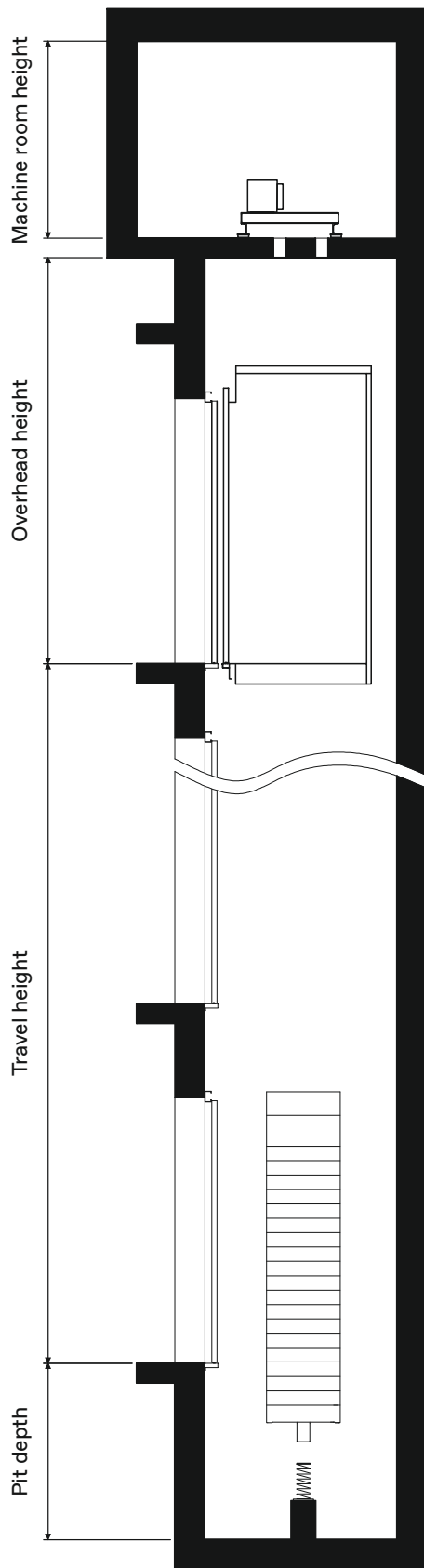
- SS Handrail (On rear wall )  
and Mirror (full-width, half-length) is optional



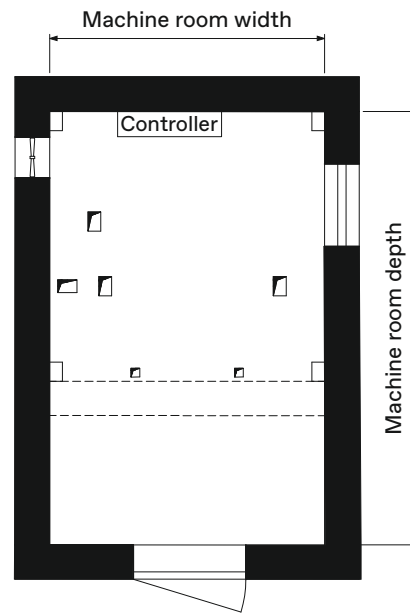


# LAYOUT

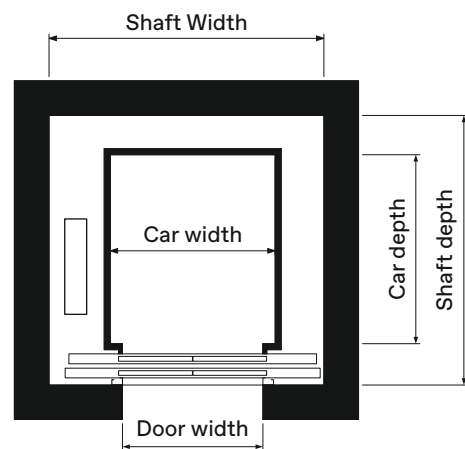
MR Shaft Vertical Section



Machine Room Plan



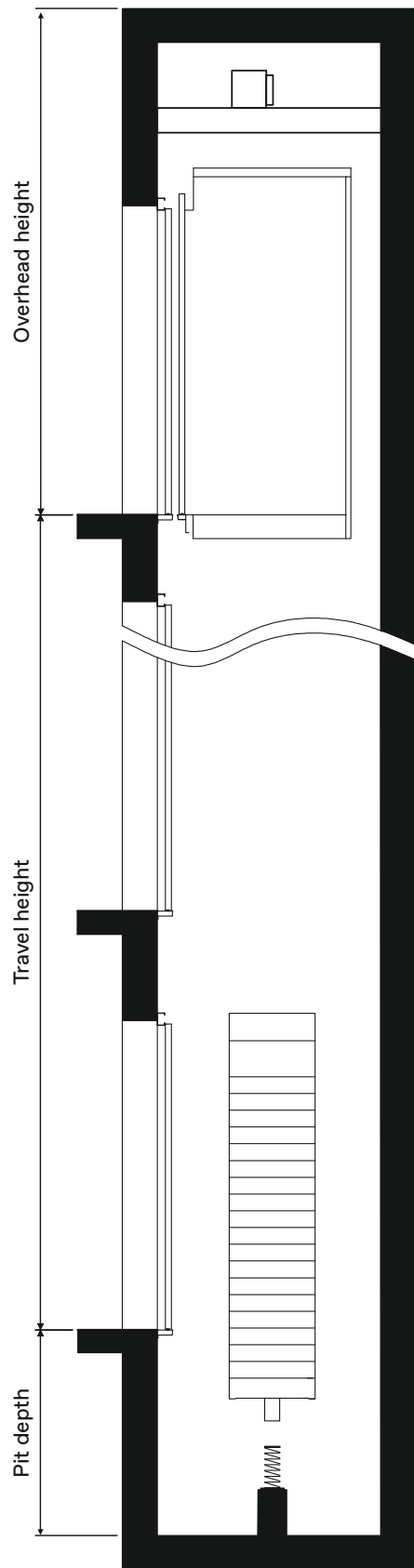
Top Floor Elevator Plan



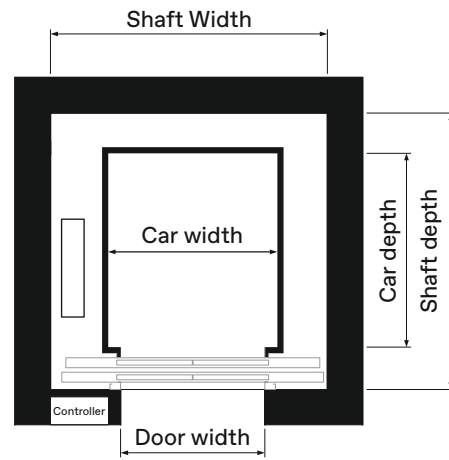
The above illustration is with the Automatic Center Opening Door

# LAYOUT

MRL Shaft Vertical Section



Top Floor Elevator Plan



The above illustration is with the Automatic Center Opening Door



# PLANNING DIMENSIONS

RATED LOAD (KG)	PAX CAPACITY	DOOR TYPE	DOOR WIDTH (DW) (MM)	CAR SIZE (CW X CD) (MM)	SHAFT SIZE (MIN) (SW X SD) (MM)	SHAFT SIZE (MAX) (SW X SD) (MM)
340	5	ATO	700	850 x 1000	1490 x 1425	1970 x 2500
		ACO	700	950 x 950	1615 x 1345	2070 x 2500
		ATO	700	950 x 950	1590 x 1425	2070 x 2500
408	6	ATO	700	875 x 1150*	1500 x 1500	1995 x 2500
		ACO	700	900 x 1150	1615 x 1480	2020 x 2500
		ATO	700	900 x 1150	1540 x 1520	2020 x 2500
		ATO	800	950 x 1100	1590 x 1475	2070 x 2500
		ACO	700	1000 x 1000	1670 x 1350	2120 x 2500
		ATO	800	1000 x 1000	1640 x 1425	2120 x 2500
		ACO	700	1100 x 1000	1740 x 1350	2220 x 2500
		ACO	800	1100 x 1000	1765 x 1350	2220 x 2500
		ATO	800	1100 x 1000	1740 x 1425	2220 x 2500
		ACO	700	950 x 1400	1615 x 1730	2070 x 2500
544	8	ATO	800	950 x 1400	1590 x 1770	2070 x 2500
		ACO	700	1100 x 1300	1740 x 1630	2220 x 2500
		ACO	800	1100 x 1300	1800 x 1630	2220 x 2500
		ATO	800	1100 x 1300	1740 x 1670	2220 x 2500
		ACO	800	1150 x 1150	1790 x 1485	2270 x 2500
		ACO	800	1300 x 1100	1940 x 1430	2420 x 2500
		ATO	800	1300 x 1100	1940 x 1430	2420 x 2500

Note: Shaft dimensions are to be maintained to a tolerance of 0~+25mm for shaft height <30000mm & 0~+35mm for shaft height >30000mm≤60000mm.

\*Product suitable for travel height up to 21 meters.

## Abbreviations:

SW: Shaft Width, SD: Shaft Depth, CW: Car Width, CD: Car Depth, CCH: Clear Car Height, DW: Door Width, DH: Door Height, ACO: Automatic Center Opening, ATO: Automatic Telescopic Opening, MRL: Machine Room-less, MR: Machine Room, OH: Overhead, COP: Car Operating Panel, Max: Maximum, Pax: Passenger, SS: Stainless Steel, Seg.: Segmented, PVC: Poly Vinyl Chloride, ACVVVF: Alternating Current Variable Voltage Variable Frequency, LED: Light-Emitting Diode, LCD: Liquid-Crystal Display, 2D: 2-Dimensional, VIP: Very Important Person, CCTV: Closed Circuit Television, SEED: School for Educational Evolution and Development.

■ Actual colors of the product may vary from the printed brochure

## GENERAL PLANNING DATA

## Basic parameters

FEATURES	DESCRIPTION
Rated load (kg)	340 / 408 / 544
No. of passengers	5 / 6 / 8
Rated speed (m/s)	0.63 / 1.0
Max. stops / landings	8 / 8 & 16 / 16
Max. travel height (mm)	21000 / 45000
Group control	2
Door type	Center opening / Side opening
Door height (mm)	2000
Clear car height (mm)	2100
Minimum overhead height (mm)	3800
Minimum overhead height (mm) (West Bengal)	4250
Minimum floor-to-floor height (mm)	2600
Maximum floor-to-floor height (mm)	11000*
<b>Minimum pit depth (mm):</b>	
0.63m/s	1350
1.00m/s	1400
West Bengal	1600

\*If floor-to-floor height is more than 11000mm, emergency landing to be provided.

Machine position: MR - Above hoistway, MRL - Machine Room-less

**Machine room requirements:**

- Machine room height (mm) = 2200
- Machine room width (mm) = Shaft width
- Machine room depth (mm) = Shaft depth + 1000 (on the front side)

**Elevator sales information, Codes and Standards:**

Compliance to Indian standard for elevator IS14665 for MR application,  
IS15785 for MRL application & local state rules.

**Operating Environment:**

1. Height above sea level less than 1000m
2. The ambient temperature in the shaft is considered between +5°C~ +40°C
3. Relative humidity shall not exceed 90% at 40°C
4. Three phase power supply: 415V +10%/-15%, 50Hz +/- 5%
5. Single phase power supply: 230V +10%/-15%, 50Hz +/- 5%

# FUNCTION LIST

CATEGORY	NO.	FUNCTION	STANDARD/ OPTION
Enhanced Car Function	1	ACVVVF closed-loop drive	S
	2	Automatic operation for the car fan and light	S
	3	Full load by-pass	S
Group Control	4	2 Car group	O
Human Machine Interface	5	Segmented LED display in White colour in the car operating panel/landing operating panel	S
	6	Segmented LED display in Red colour in the car operating panel/landing operating panel	O
	7	Segmented LCD display in Blue-White colour in the car operating panel/landing operating panel	O
	8	Hall indicator with segmented LED display in White colour (landing operating panel w/o display)	O
	9	Hall indicator with segmented LED display in Red colour (landing operating panel w/o display)	O
	10	Hall indicator with segmented LCD display in Blue-White colour (landing operating panel w/o display)	O
	11	Door open/door close buttons in the car operating panel	S
	12	Car arrival chime on the car top	O
	13	Provision for music system wiring (in traveling cable)	O
	14	Voice announcement unit (English language only)	O
Monitoring	15	Intercom 3-way (elevator car, controller, and lobby/security)	S
Passenger Comfort	16	Anti- nuisance "limit the number of car calls when empty load"	S
	17	Anti- nuisance (car call cancellation at direction reversal)	S
	18	Braille on push buttons	O
	19	Car call cancellation by double pressing floor button in car operating panel	S
	20	Home landing	S
	21	Adjustable waiting time for opening door at the main landing	S
	22	Advance door opening	O
	23	Re-leveling with the door open (for car travel $\leq 30$ m)	O
	24	Re-leveling with the door open (for car travel $> 30$ m)	S

Note: S-Standard feature, O-Optional feature.



CATEGORY	NO.	FUNCTION	STANDARD/ OPTION
Passenger Comfort	25	Floor blocking (floor out of service)	O
	26	Parking operation (key switch in landing operating panel)	O
	27	Onward travel to the next stop in the case of a non-opening door	S
	28	Alarm button in COP with battery back-up	S
Safety & Emergency Function	29	Door closing retries	S
	30	Emergency light in COP	S
	31	2D Infra-red screen for the car door	S
	32	Inspection operation from the controller and car top	S
	33	Jammed landing call by-pass	S
	34	Motor overheat protection	S
	35	Overload function with an audio-visual indication in the car operating panel	S
	36	Phase failure protection	S
	37	Fire emergency return	O
	38	Fireman operation	S
	39	Auto rescue device in case of power failure (standard for MRL)	O
	40	Door nudging	O
	41	Attendant control	O
Security	42	Independent operation (car VIP function)	O
	43	VIP Operation (landing operating panel)	O
	44	Compulsory stop floor	O
	45	Provision for CCTV camera signals (in traveling cable)	O

Note: S-Standard feature, O-Optional feature.

All product specifications and parameters specified in this brochure are recorded according to the data valid at the time it was printed. TK Elevator India is entitled to, upon its sole discretion, adjust the relevant technical specifications and/or other parameters according to the actual production situation. Kindly contact the local representative or the nearest sales branch of TK Elevator when purchasing our products. TK Elevator India reserves the sole and exclusive interpretation rights to any content in this brochure.

# Welcome to the future of urban mobility

Over the past several decades, TK Elevator has established itself as one of the world's leading elevator companies and became independent after separating from the thyssenkrupp group in August 2020. 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.

Our product portfolio ranges from standardized elevators for low-rise residential buildings to highly customized solutions for skyscrapers. In addition, it covers escalators, moving walks, passenger boarding bridges, and stair and platform lifts. Integrated cloud-based solutions, such as the MAX platform, are delivering enhanced services. With these digital offerings, there are no longer any limits to urban mobility. TKE – move beyond.



## 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, TK Elevator trains over 25,000 service technicians in a multi-brand portfolio, enabling them to successfully service more than 1.5 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.



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

**THYSSENKRUPP QUARTIER**



**MERCEDES BENZ**



**MAKKAH CLOCK TOWER**



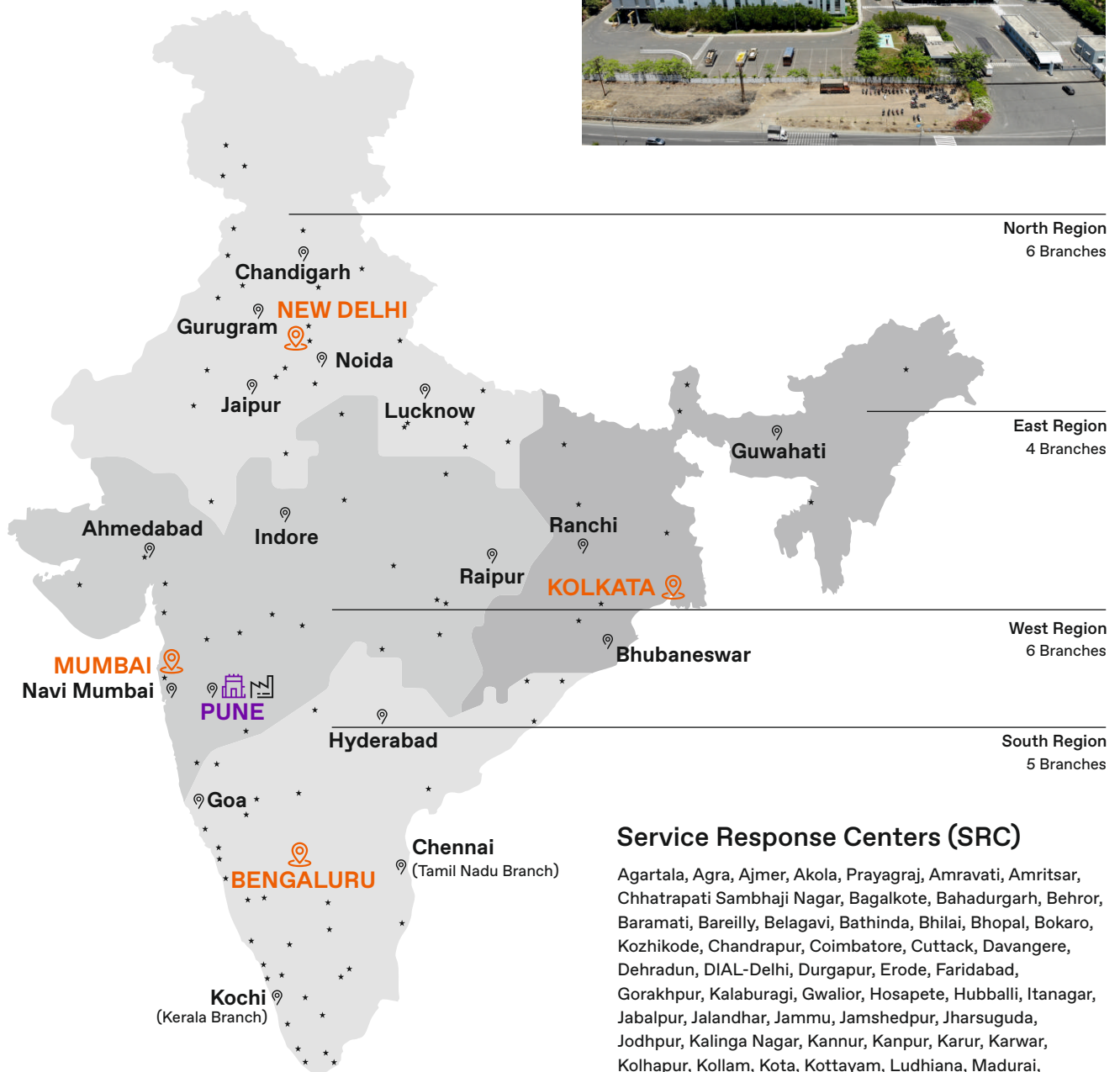
**ONE WORLD TRADE CENTER**



# PAN India Network

A Nation-wide network of 4 Regional Offices,  
21 Branches and 84 Service and Response Centers.

State-of-the-art, Multi-Purpose Facility with Business Support Centre, Product Design Center, Production Facility, Central Warehouse, Centralized Call Center, Experience Center, Training Center/SEED, Product Showroom, and Test Shafts at Chakan, Pune.



## Service Response Centers (SRC)

Agartala, Agra, Ajmer, Akola, Prayagraj, Amravati, Amritsar, Chhatrapati Sambhaji Nagar, Bagalkote, Bahadurgarh, Behror, Baramati, Bareilly, Belagavi, Bathinda, Bhilai, Bhopal, Bokaro, Kozhikode, Chandrapur, Coimbatore, Cuttack, Davangere, Dehradun, DIAL-Delhi, Durgapur, Erode, Faridabad, Gorakhpur, Kalaburagi, Gwalior, Hosapete, Hubballi, Itanagar, Jabalpur, Jalandhar, Jammu, Jamshedpur, Jharsuguda, Jodhpur, Kalinga Nagar, Kannur, Kanpur, Karur, Karwar, Kolhapur, Kollam, Kota, Kottayam, Ludhiana, Madurai, Mangaluru, Manipal, Mysuru, Nagpur, Nashik, Palakkad, Panipat, Patna, Puducherry, Raebareli, Rajkot, Salem, Satna, Shimla, Shivamogga, Sikkim, Siliguri, Solapur, Srinagar, Surat, Thrissur, Tirunelveli, Tiruppur, Tiruchirappalli, Thiruvananthapuram, Thoothukudi, Udaipur, Udhampur, Udupi, Vadodara, Varanasi, Vijayawada, & Visakhapatnam

 BSC
  RO
  Branch
  SRC
  MPF



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