

# 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.



### Increases your returns

Add value to your building with cabins designed along 4 interior trend lines



### Underlines your building's premium

Premium interior options and meaningful controls



### Provides a stylish experience

Elaborated functions and features

## DESIGNED FOR

- Residential buildings

## SPECIFICATIONS

Application	MR/MRL
Max. rated load (kg)	544
Max. rated speed (m/s)	1.0
Max. number of stops/landings	16
Max. travel height (m)	45

# Increases your returns

Add value to your building with the trend-based interior, intelligent product design, and smart mechanical setup.

## 4 interior trends, 8 cabin designs

Inspired by cutting-edge contemporary interior designs, enta100 provides a premium look to your building. It's stylish geometric shapes, and vibrant colour palette creates a sense of spaciousness and serenity.



## Intelligent product design

enta100 has been intelligently engineered to ensure optimal utilization of building space, both in the shaft and in the cabin. It comes with MR and MRL options, ACO and ATO door options for further optimization of shaft space, and flush-fitted COPs to add to the cabin space.

## Smart mechanical setup

enta100 comes with multiple smart components and processes such as bottom suspension, surface mounted fixtures, and safe & efficient installation method that makes it easy to install and get people moving in no time.





### Premium cabin finishes

enta100 offers premium cabin finishes such as etched finishes, SS finishes, metallic powder-coated finishes with Big vision glass door options to add a sense of class and sophistication to your building.

### Sensible safety, security, and energy-efficient features

enta100 offers multiple active and passive safety features such as full-height 2D infrared light curtain, Automatic Rescue Device (ARD), and provision for CCTV camera signal transmission to give its users the highest level of safety & security. It comes with a reliable, compact, and energy-efficient gearless PMS motor.

## Underlines your building's premium

enta100 comes with premium interior options and meaningful controls.

### Fixtures

A variety of meaningful and elegant controls such as half & full length flush mounted COPs and a variety of landing operating panels add to your building's premium.



## Provides a stylish experience

enta100 focuses on ambience, aesthetics, and efficiency to let users travel in style.

### Enhanced ride comfort

An optimized suspension system and robust car structure allows for a smoother ride.



### Ambience enhancing features

To enhance user experience, enta100 comes with the provision of music system wiring.

### Usability enhancing features

enta100 offers various optional features such as voice announcement, car arrival chime, and braille buttons for added convenience.




# STYLISH

Stylish interior designs create a welcoming atmosphere in your elevator.



## GOLDEN GLOW

- Ceiling  
Starry Light
- Rear Wall  
Pearl Gold
- Side Wall  
Oyster White
- Front Wall / Car Door  
Oyster White
- Floor  
PVC Black Button
-   
Round Handrail  
SS No. 4 Finish

## URBAN GRACE


- Ceiling  
Starry Light
- Rear Wall  
SS Linen
- Side Wall  
SS Linen
- Front Wall / Car Door  
SS Linen

# CLASSIC

Soothing colours and elegant stainless steel finishes create a calm elevator ambience.



## PRIME

- Ceiling  
Quad Light
- Rear Wall  
SS No. 4 Finish
- Side Wall  
SS No. 4 Finish
- Front Wall / Car Door  
SS No. 4 Finish
- Floor  
PVC Black Button
-   
Round Handrail  
SS No. 4 Finish

## CREAMY FLAIR

- Ceiling  
Ball Light
- Rear Wall  
Oyster White
- Side Wall  
Oyster White
- Front Wall / Car Door  
Oyster White

# VIBRANT

Radiant powder-coated pastel shades give a modern look to the elevator.



## NAVY

- Ceiling  
Ball Light
- Rear Wall  
Light Blue
- Side Wall  
Light Blue
- Front Wall / Car Door  
Light Blue
- Floor  
PVC Black Button



## OCEAN BLUE

- Ceiling  
Starry Light
- Rear Wall  
Light Blue
- Side Wall  
Light Grey
- Front Wall / Car Door  
Light Grey

# CONTEMPORARY

Striking and modern etched stainless steel patterns give the elevator an alluring appearance.



## MAGICAL STRIPES

- Ceiling  
Quad Light
- Rear Wall  
SS Mirror, Regal Stripes
- Side Wall  
SS Mirror, Regal Stripes
- Front Wall / Car Door  
SS Mirror
- Floor  
PVC Black Button

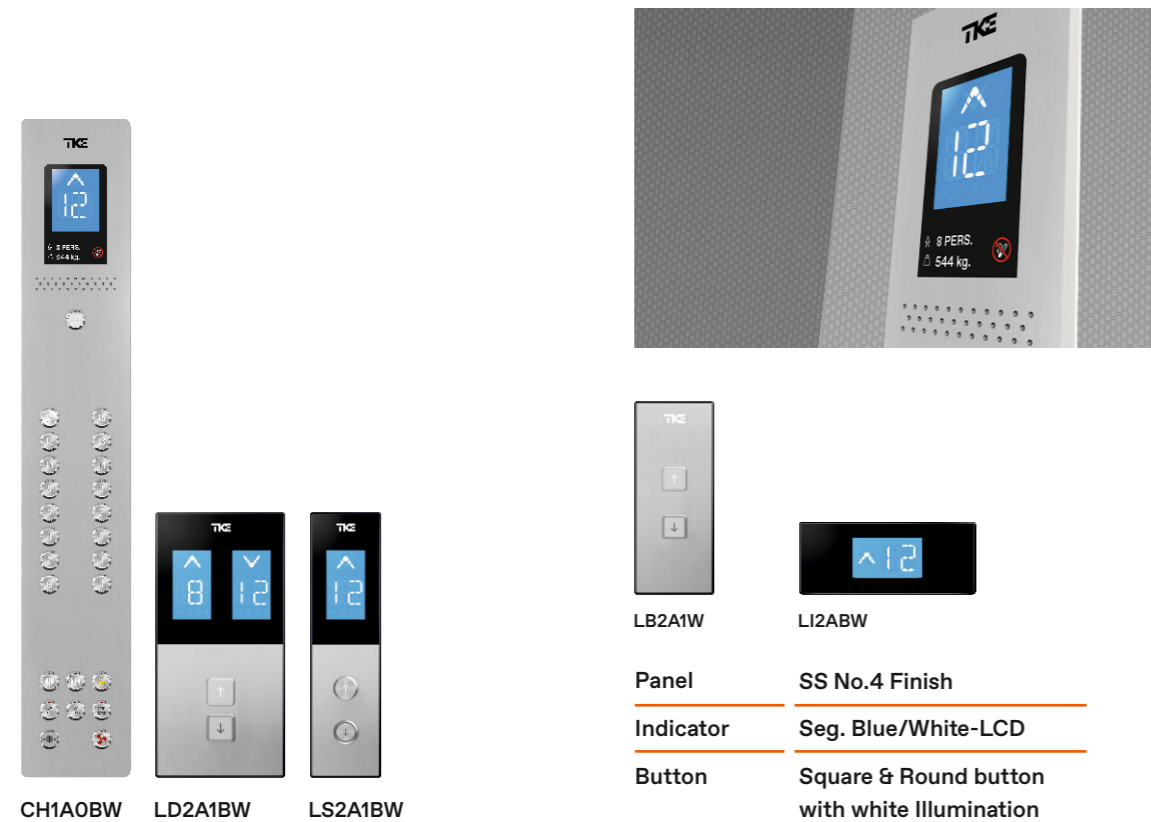


## GRAND DESIGNO

- Ceiling  
Quad Light
- Rear Wall  
SS Mirror, SS Melange
- Side Wall  
SS Mirror, SS Melange
- Front Wall / Car Door  
SS Mirror

## Cabins & Landing Fixtures:

Refined Aesthetics, Reliable Function



Seg. White-LED COP available in 4.3" & 5.7" display.  
Seg. Blue/White-LCD COP available in 5.7" display.

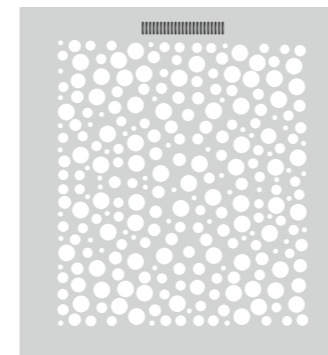
## ACCESSORIES

Designed with the same precision as our mechanical engineering, ensuring exceptional quality and satisfaction.

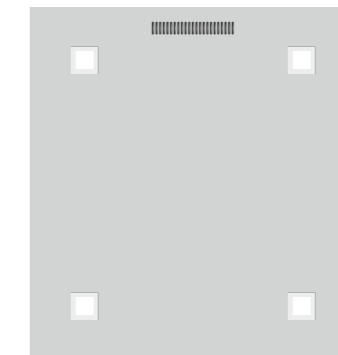
### Ceiling



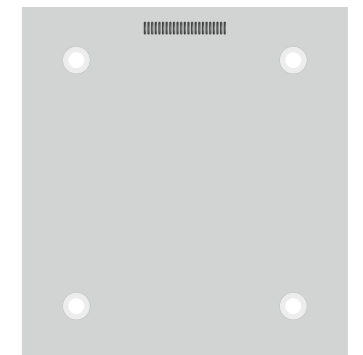
### Suspended ceiling patterns



Starry Light

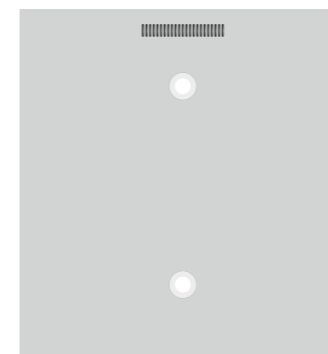


Quad Light



Ball Light

### Integrated ceiling pattern



Twin Light

- **Ceiling Finish:**  
**Integrated Ceiling:**  
 Powder-coated cabin - Signal White,  
 Stainless steel cabin - Silver Metallic Glossy / SS No. 4 Finish  
**Suspended Ceiling:**  
 Powder-coated cabin - Signal White,  
 Stainless steel cabin - SS No. 4 Finish

# LAYOUT

## Mirror



Full-width, Half-height

## Round Handrail



SS No. 4 Finish  
(On rear wall)

## Hall Lantern

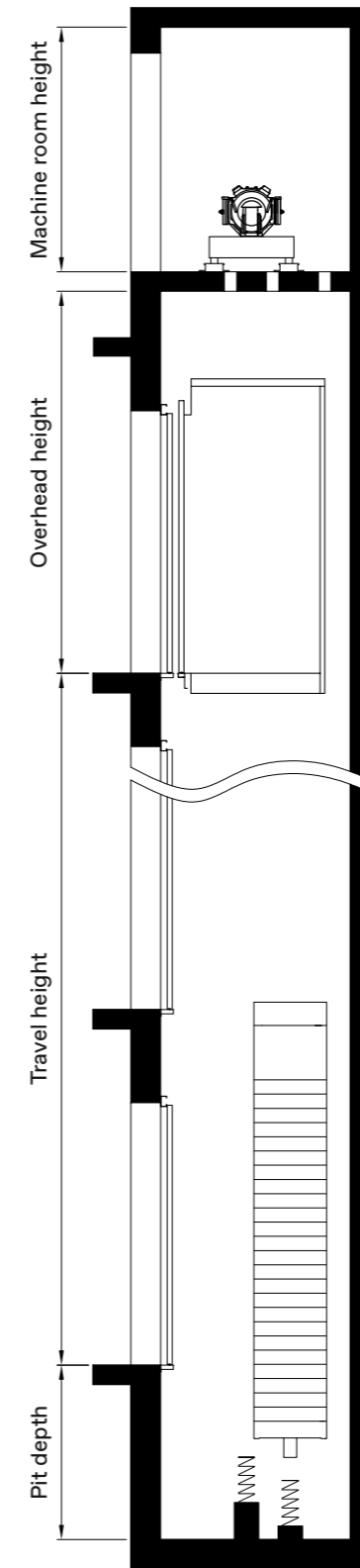


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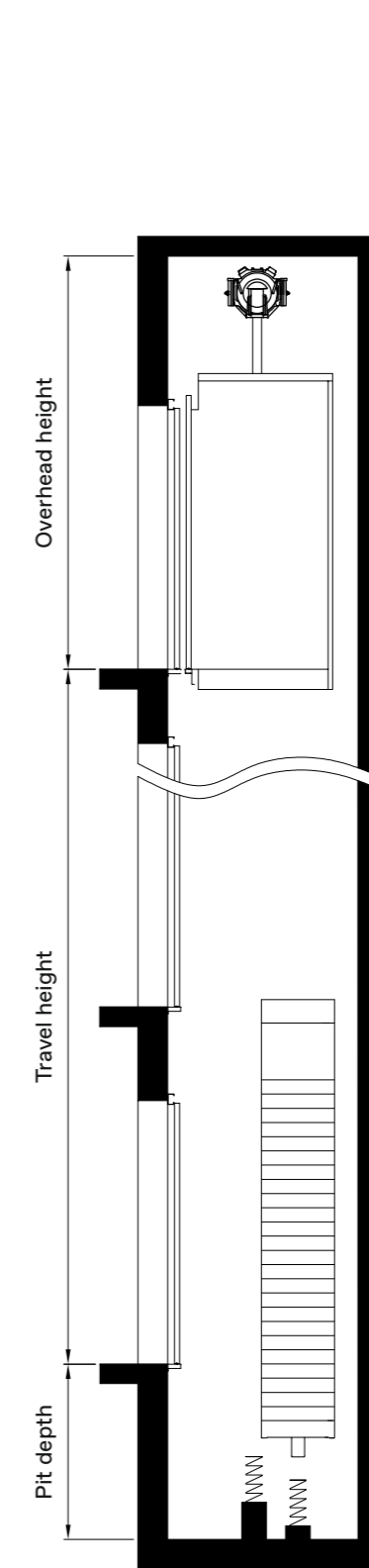


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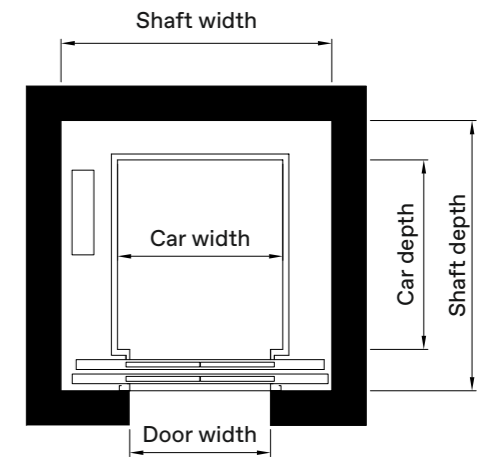
## MR Shaft Vertical section



## MRL Shaft Vertical section



## Elevator Plan



## 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)
340	5	ACO	700	850 x 1000	1600 x 1385
		ATO	700	850 x 1000	1475 x 1425
		ACO	700	850 x 1100	1600 x 1435
		ATO	700	850 x 1100	1475 x 1475
408	6	ACO	700	875 x 1150	1600 x 1480
		ATO	700	875 x 1150	1500 x 1500**
		ACO	700	1000 x 1000	1635 x 1385
		ACO	800	1000 x 1000	1745 x 1385
		ATO	800	1000 x 1000	1625 x 1425
		ATO	800	1000 x 1100	1625 x 1435
544	8	ACO	700	1000 x 1100	1625 x 1435
		ATO	800	1000 x 1100	1625 x 1475
		ACO	700	950 x 1400	1600 x 1730
		ATO	800	950 x 1400	1575 x 1770
		ACO	800	1100 x 1200	1740 x 1530
		ATO	800	1100 x 1200	1725 x 1570
		ACO	700	1100 x 1300	1725 x 1630
		ACO	800	1100 x 1300	1740 x 1630
		ATO	800	1100 x 1300	1725 x 1670
		ACO	800	1150 x 1150	1795 x 1480
ACO	800	1300 x 1100	1925 x 1435		

For Big vision glass door, additional shaft width of 30 mm and shaft depth of 10 mm is required for ACO doors & additional shaft depth of 40 mm is required for ATO doors.

\*\*For TH >21m, Min. SW x SD = 1500 x 1520 required.

## GENERAL PLANNING DATA

### Minimum Overhead (OH) mm

CLEAR CAR HEIGHT (CCH) MM		MR	MRL
Integrated Ceiling	Suspended Ceiling	1.0 m/s	1.0 m/s
2100	-	3500	3800
2200	2100	3600	3800
-	2200	3700	3800

## BASIC PARAMETERS

RATED SPEED (M/S)	1.0
Rated Load (kg):	340 / 408 / 544
Max. Stops / Landing:	MR MRL - 16 / 16
Travel Height (mm):	45000
Min. Pit Depth (PD) (mm):	1400
Door Type:	ACO & ATO
Door Height (DH):	2000 / 2100
Min. Floor to Floor Height (mm):	DH + 600
Machine Room Dimensions (mm):	Machine Room Height: MRH = 2200 Machine Room Width: MRW = SW + 500 (Machine Room Front side extension as per GAD) Machine Room Depth: MRD = SD

### STRUCTURAL LIMITS FOR LIFT SW & SD

Shaft height (SH) (mm)	<=30000	>30000 <=60000
Permitted deviation (mm)	0~+25	0~+35

### Notes:

- MRL (Machine-Room-Less) Application  
The shaft side wall in the overhead area shall be constructed in RCC.
- For floor-to-floor height greater than 11,000 mm, an emergency landing must be provided.
- The elevator shaft shall be absolutely plumb (zero vertical deviation) throughout its height.
- Actual product colours may vary from those shown in printed brochures.
- Kindly contact the Sales Representative for the overhead and pit depth requirements applicable to the West Bengal region.

### Abbreviations:

2D: Two Dimensional, 3D: Three Dimensional, ACO: Automatic Center Opening, ACVVVF: Alternating Current Variable Voltage Variable Frequency, ARD: Automatic Rescue Device, ATO: Automatic Telescopic Opening, CCH: Clear Car Height, CCTV: Closed Circuit Television, CD: Car Depth, COP: Car Operating Panel, CW: Car Width, CWT: Counterweight, DH: Door Height, DSC: Destination Selection Control, DW: Door Width, FFL: Finished Floor Level, FTFH: Floor To Floor Height, HL: Hall Lantern, LCD: Liquid-Crystal Display, LED: Light Emitting Diode, Max: Maximum, MR: Machine Room, MRD: Machine Room Depth, MRH: Machine Room Height, MRL: Machine Room-less, MRW: Machine Room Width, OH: Overhead, P: Empty Car Side Weight, Pax: Passenger, PD: Pit Depth, PVC: Poly Vinyl Chloride, Q: Rated Load, RCC: Reinforced Cement Concrete, SD: Shaft Depth, SDH: Structural Door Height, SDW: Structural Door Width, SEED: School for Educational Evolution and Development, Seg.: Segmented, SS: Stainless Steel, SW: Shaft Width, TH: Travel Height, V: Rated Speed, VIP: Very Important Person.

# FUNCTION LIST

CATEGORY	NO.	FUNCTION	STANDARD/ OPTION
Enhanced Car Function	1	AC VVVF closed-loop drive	S
	2	Automatic operation for car fan and light	S
	3	Full load by-pass	S
Group Control	4	2 Car group	O
	5	Door open/door close buttons in the car operating panel	S
Human Machine Interface	6	Voice announcement unit (English language only)	S
	7	Seg. White-LED display in the car operating panel/landing indicator panel	S
	8	Seg. Red-LED display in the car operating panel/landing indicator panel	O
	9	Seg. Blue/White-LCD display in the car operating panel/landing indicator panel	O
	10	Hall lantern	O
	11	Hall indicator with Seg. White-LED display (landing operating panel w/o display)	O
	12	Hall indicator with Seg. Red-LED display (landing operating panel w/o display)	O
	13	Hall indicator with Seg. Blue/White-LCD display (landing operating panel w/o display)	O
	14	Car arrival chime on car the top	O
	15	Provision for music system wiring (in travelling cable)	O
Monitoring	16	Intercom 5-way (controller, car top, car, pit & lobby/security)	S
	17	Interface to Building Monitoring System (BMS) through Potential free contacts / Modbus / Potential free contacts+Modbus	O
	18	Anti- nuisance "limit number of car call when empty load"	S
Passenger Comfort	19	Anti- nuisance (car call cancellation at direction reversal)	S
	20	Alarm button in COP with battery back-up	S
	21	Car call cancellation by double pressing floor button in car operating panel	S
	22	Home landing	S
	23	Adjustable waiting time for opening door at the main landing	S
	24	In case of non-opening of the door, the lift will travel to the next landing	S
	25	Re-set to the nearest floor at power on (for car travel >30 m)	S
	26	Re-levelling with the door open (for car travel >30 m)	S

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

CATEGORY	NO.	FUNCTION	STANDARD/ OPTION
Passenger Comfort	27	Re-levelling with the door open (for car travel <=30 m)	O
	28	Braille inscription on car & landing operating buttons	O
	29	Advance door opening	O
	30	Floor blocking (floor out of service)	O
	31	Parking operation (key switch in landing operating panel)	O
	32	Door closing retries	S
Safety & Emergency Function	33	Emergency light in COP	S
	34	2D infrared screen for car door	S
	35	Auto rescue device in case of power failure	S
	36	Inspection operation	S
	37	Jammed landing call by-pass	S
	38	Motor overheat protection	S
	39	Overload function with an audio-visual indication in the car operating panel	S
	40	Phase failure protection	S
	41	Fire emergency return	S
	42	Fireman operation	O
	43	3D infrared screen for car door	O
	44	Door nudging	O
	45	Attendant control	O
	46	Earthquake function (earthquake sensors by customer)	O
Security	47	Independent operation (car VIP function)	O
	48	VIP Operation (landing operating panel)	O
	49	Compulsory stop floor	O
	50	Provision for CCTV camera analog / digital signals (in travelling 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.

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countries serviced

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employees

50,000+

service available for customers

24/7

locations

1,000+

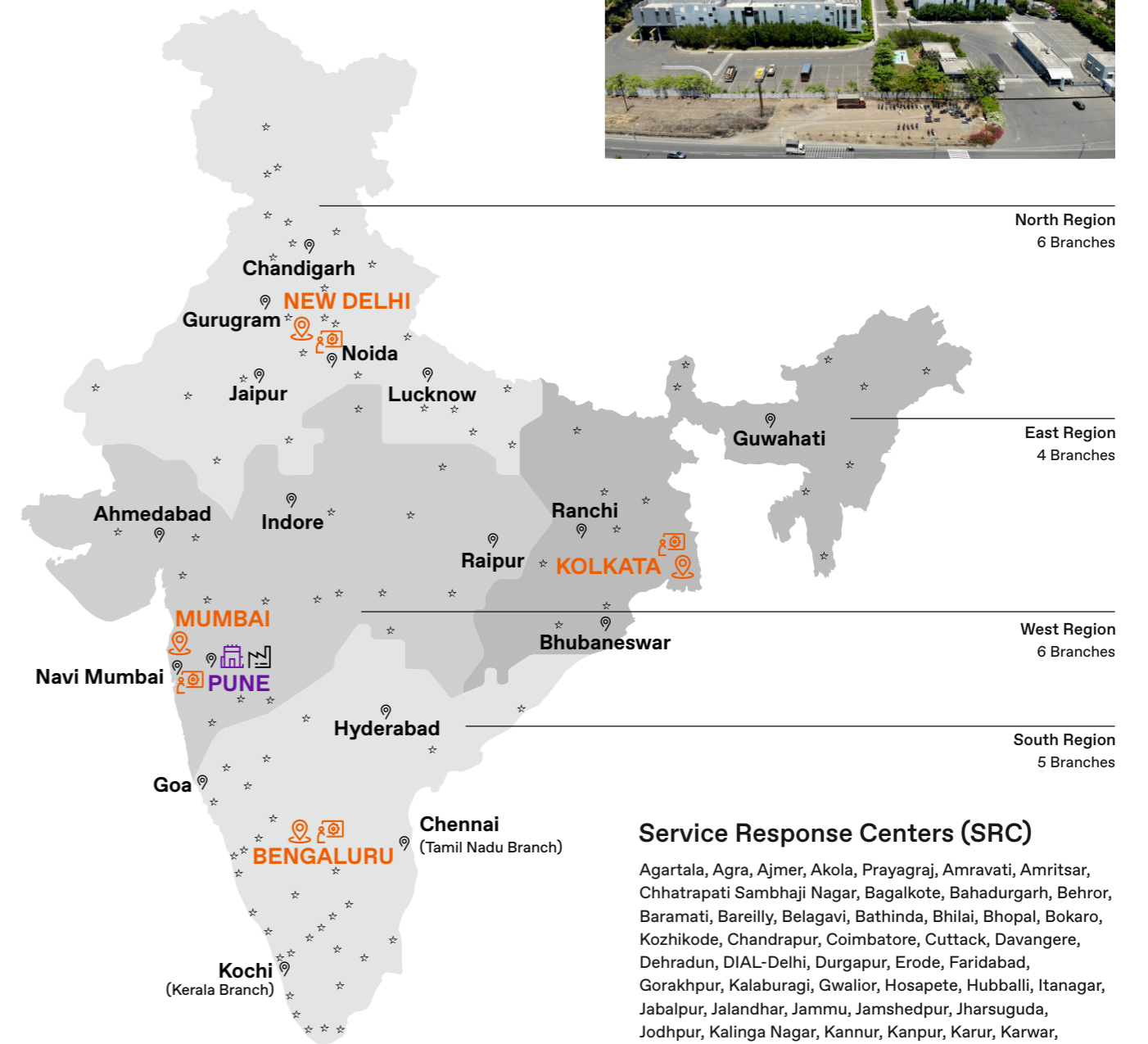
service technicians

25,000+

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-  BSC
-  MPF
-  RO
-  RTC
-  BO
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