



**SALASAR TECHNO ENGINEERING LTD.**

ISO 9001 : 2015 14001 : 2015 OHSAS 18001 : 2007

Creating **Possibilities.**  
Transforming **Lives.**



# Who we are

Salasar Techno Engineering Limited started its business activities in the financial year 2006-07 with the mission to contribute towards the growth of India's dynamic infrastructural space. Now one of the leading Steel Service Providers in the country, Salasar offers 360 degree solutions to its clients across continents by carrying out engineering, designing, procurement, fabrication, galvanization and deployment.

We have an installed annual manufacturing capacity of 1,00,000 MT. At Salasar, our focus is the customer and we provide individual attention to all our clients. All of our products are fabricated as per the customer's requirements in accordance with applicable standards.

Fabrication is carried out in state-of-the-art manufacturing facilities ensuring strict quality control and safety at every level of production. We proudly boast of having zero defect production, the shortest delivery windows in the industry, and the ability to ramp up operations in minimum time anywhere.

Having executed projects in all types of geographical terrains and weather conditions, we have established our execution capabilities in a short span of time, and developed firm relationships with our suppliers and customers. These relationships have allowed us to carry out massive touchstone projects all over India. Presently, Salasar has no qualms about proclaiming itself as India's preferred Tower supplier.

# Collaboration

To provide our customers with the best solutions, we only work with the best. Salasar has a technical collaboration with M/S Ramboll Telecom, Denmark, the world leader in Telecom and High Mast Design. Ramboll has been in the field of tower design for the last sixty years and their designs are time tested and proven for their excellence. Their designs are lighter in weight and cost 20% lesser than conventional angular towers.



# Vision

Our vision is to make a substantial contribution towards the development of National Infrastructure by providing technologically advanced solutions, and to play a critical role in making India the most preferred destination for the fulfilment of local & global infrastructural needs.

# Mission

Our mission is to be at the forefront of developing technologically advanced infrastructural solutions for our customers around the world.

# Business Verticals



Telecom



Power



Renewable



Lighting



Smart Cities



Artificial Intelligence

# Products Category

- 1) Telecommunication Towers & Monopoles
- 2) Cell-On-Wheels & Skid Base Towers
- 3) Transmission Line Towers & Monopoles
- 4) Substation Structures
- 5) Railway Overhead Electrification Structures
- 6) Solar Module Mounting Structures
- 7) Solar Trees
- 8) Wind Mill Towers
- 9) Smart City Poles
- 10) Poles & High Masts
- 11) Camouflaging Solutions
- 12) Mounts & Cable Trays
- 13) Customised Galvanized & Non-Galvanized Steel Structures
- 14) Cold Formed Structures

# Service Category

- 1) EPC Projects
- 2) Turnkey Projects
- 3) Rural Electrification & Feeder Segregation
- 4) Contractual Galvanizing



# Telecommunication Infrastructure

We started out as tower manufacturers, and despite having expanded into several product segments, we have consolidated our position in the Telecom infrastructure space. Over the years, we have established our prowess in the segment and our quality and delivery times- both in manufacturing and deployment- are hard to beat.

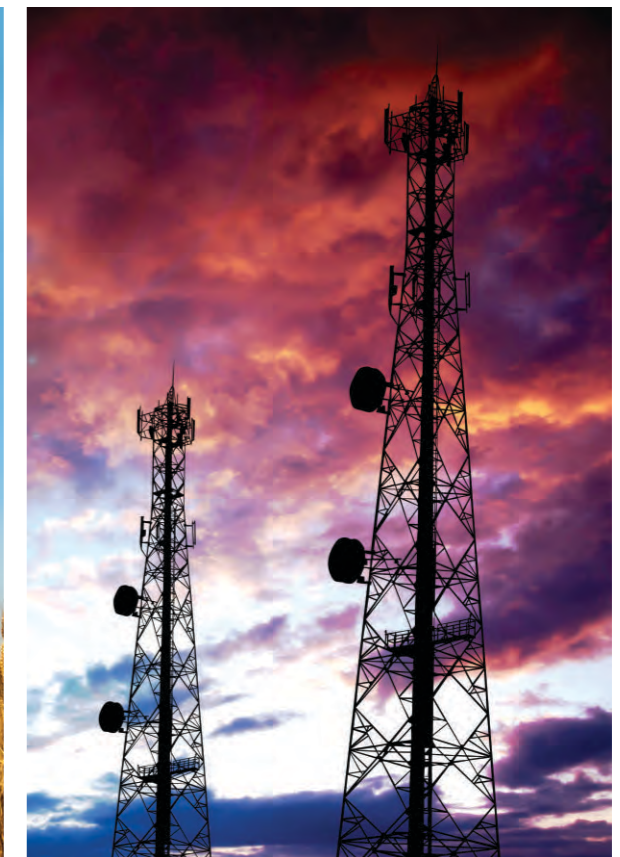
With the increasing proliferation of smartphones among the Indian masses,

data will grow exponentially, requiring a significant number of additional data sites over the next few years. In order to make 5G a success story in India, it is essential to invest on network densification heavily through provisioning of fiber, small cells and mobile towers. To provide 5G service on a large scale, carriers will need to add at least 250,000 new small cell sites nationwide. We, at Salasar, are prepared to cater to the needs of the industry at unprecedented speeds.



# Towers

Owing to our unfailing commitment towards quality and shortest delivery times, Salasar has emerged as one of India's leading Tower suppliers within a short span of time. Our telecommunication towers are made as per time-tested Ramboll designs, in-house IIT certified designs, or tailored as per customer designs. The Indian telecom industry is witnessing a surge in demand for data services, which calls for an increase in network coverage and given the high frequency spectrum on which data technology operates there is a need to bridge the network coverage gaps. Salasar is all set to ride this wave with an unprecedented consolidation of its faculties, facilities and expertise.



## Product Categories

- a. Tubular Towers
  - i. Ground Based
  - ii. Roof Top
    - Non-Penetrating Poles
  - iii. Quick Build Solutions
- b. Guyed Masts

- c. Angular Towers
  - i. Ground Based
  - ii. Roof Top
- d. Hybrid Towers
  - i. Ground Based
  - ii. Roof Top

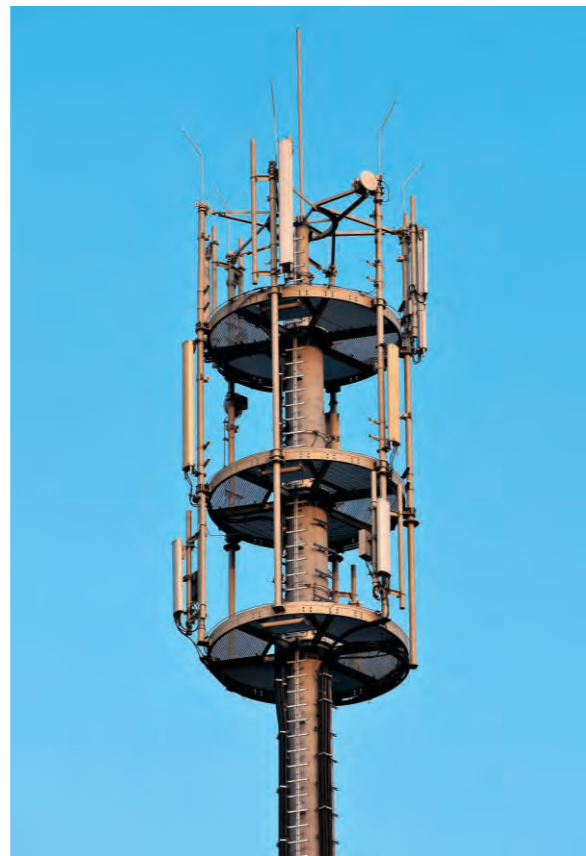




# Monopoles

Salasar boasts of having the largest Galvanizing plant in North India with a bath length of 13m. This allows us to manufacture and galvanize Monopoles as tall as 40m. Our technical collaboration with Danish design giant Ramboll along with our prowess in EPC, guarantees state-of-the-art Monopoles capable of enduring all types of soil and wind

conditions. With large-scale deployment, land acquisition and tower aesthetics are becoming a costly challenge even for the telecom giants and Monopoles are the need of the hour. We also provide high-quality aesthetic Camouflaging for our monopoles, which not only make our cities look better but also make it easier to secure permits.



## Product Categories

- a. Flange Type Monopoles
  - i. Ground Based
  - ii. Roof Top

- b. Slip Joint Monopoles
  - i. Ground Based
  - ii. Roof Top
  - iii. Camouflaged

# Smart City Solutions

Salasar is working extensively to play a vital role in India's Smart City Mission and has contributed significantly in the development of Smart Cities in Vishakhapatnam, Agartala, Indore, Bhopal, and NCR. In collaboration with Ramboll, we offer an impressive portfolio of Smart City Poles, designed to look modern and aesthetic, which come equipped with LED lights, CCTVs, Pollution Sensors, Wi-Fi, Distress Buttons, Road Information Display Systems and Motion-detecting Energy Savers to make our cities smarter. Our poles not only serve as important

connected light sources which can be remotely managed, but also support technology to improve mobile network performance across the city. They are capable of hosting dual operators along with required RRUs and are covered with smart camouflage having RF transparent with easy installations. Our Smart Poles can be installed with minimal interruption to traffic and pedestrians. We have also developed avant garde camouflaging solutions for Smart poles and Telecom Monopoles to make our cities not only smart, but also beautiful.



## Product Categories

- a. Camouflaging Solutions
  - i. Lotus Monopole
  - ii. Palm Tree
  - iii. Coconut Tree
  - iv. Pine Tree
- b. Smart City Poles
  - i. Smart Pole with Medium Loading
  - ii. Smart Pole with Equipment Above Ground

- iii. Smart Pole with Equipment Below Ground
- iv. Smart Pole Camouflage
- v. Full Pole Camouflage
- vi. Smart Pole With Bus Stop
- vii. Smart Pole Traffic Light
- viii. Smart Pole Dustbin
- ix. Smart Pole Planter
- x. Feather Pole
- xi. Heavy Duty Pole



## Portable Towers

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Salasar has innovated heavily and come up with pathbreaking solutions in the field of Portable Towers. Our Portable Towers are modular solutions bespoke to the customer. They support customer challenges of low footprint and minimal civil work on site, and can be installed within 24 hours to meet the requirements of fast rollout. They can be transported over large distances and rough terrains, and may be left at site for an extended period of time with the use of either Mains Power, Diesel Generators, or Solar-Powered Batteries.



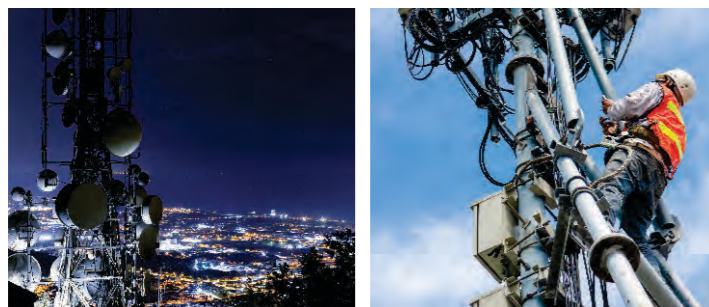
### Product Categories

- a. Cell-On-Wheels
- b. Skid Base Towers

## Accessories

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Salasar is a firm practitioner of providing end-to-end solutions to its customers. Therefore we also manufacture Accessories of all nature as required by the client, including Mounts and Cable trays, boasting very low prices, smallest lead times and zero defects.



### Product Categories

- a. Antenna Bracket Mounts
  - i. Microwave Mounts
  - ii. GSM Mounts
- b. Cable Trays

## Salasar Artificial Intelligence

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### Tower Maintenance Using AI

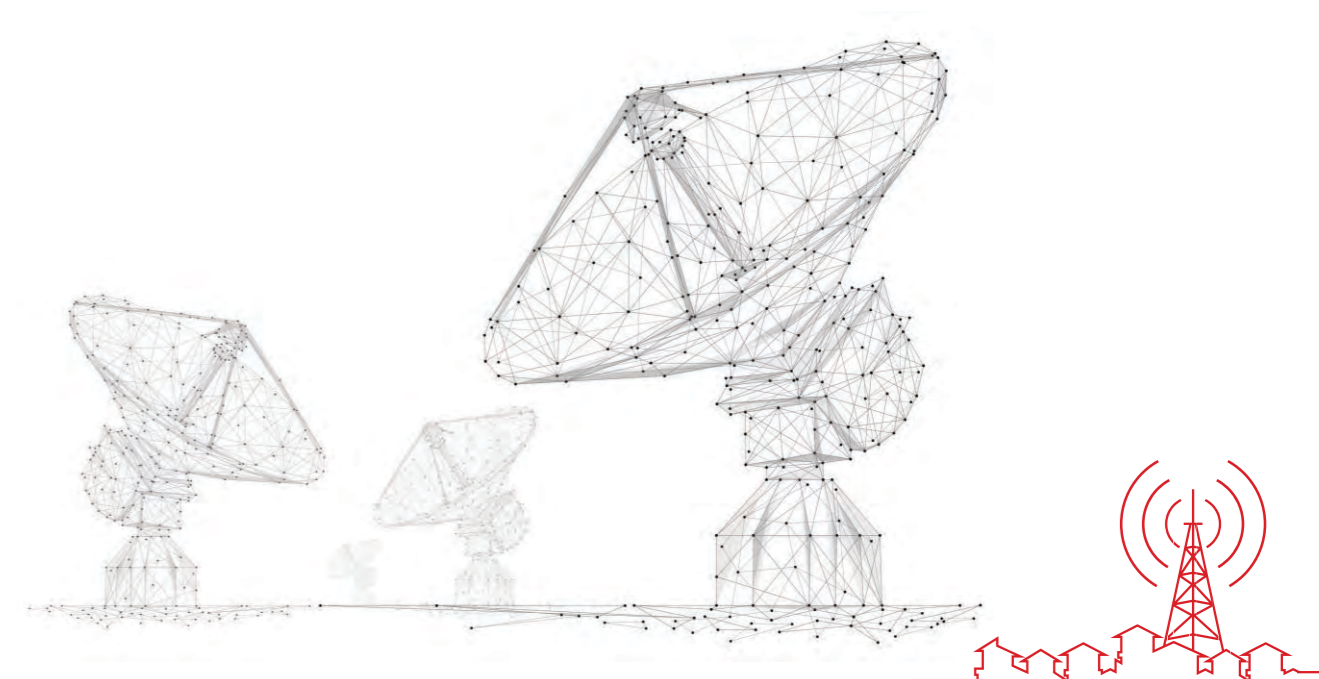
Salasar has come up with solutions for Tower Maintenance using Artificial Intelligence. Cameras mounted on Drones scan entire towers from all angles and record video in high definition, which is then analyzed by an AI trained machine for detecting defects such as rust, nests, missing members, missing hardware and loose members. This technique eliminates the need for a Rigger to climb the tower periodically for preventive maintenance.

Climbing is now required only when actual repair is needed, thereby significantly reducing costs and safety incidents. Data from different sensors installed at the tower sites like Access Control, Grid Power, and DG is also being labeled and analyzed for predictive and preventive maintenance. We are also working on using Computer Vision in AI for testing the load bearing capacity of a tower.

### Salasar AI Suraksha

About 48,000 workers die in India annually due to occupational accidents- of which 38 fatal accidents take place every day in the construction sector alone. To help Telecom Players with Safety Compliance, Salasar has developed "Salasar AI Suraksha" which is a video/image recognition system to help improve safety on sites. CCTV cameras send continuous

video streams to AI machines trained to detect PPE violations. An alert is immediately sent to the designated personnel, the moment any violations are detected, or periodically, as required. This eliminates human input freeing up time for staff to focus on other key areas of health and safety.





# Certificates

# Satisfied Customers



