



Satec
Envir Engineering (I) Pvt. Ltd.

ISO
9001:2008

Design, Fabrication and Installation of Solar Mounting Structures



About Us

Satec Envir Engineering (India) Pvt. Ltd. is the next generation engineering company. Satec is primarily focusing into development of urban, rural, agricultural and power infrastructure. In the power industry, Satec is carrying out the fabrication and erection work of mounting structures for 10 MW solar power plant projects in Gujarat.

Satec is well-equipped and ably represented by team of qualified engineers having vast experience in design and fabrication of all kind of structures, both hot rolled and cold rolled. Our strategic partnerships and experience benefits us with internationally accepted design, quality control and safety standards.

Satec provides engineering solutions to a wide range of design and fabrication requirements in the solar power industry.

Solar Photovoltaic



Fixed PV ground mounting



Tilt Adjustable PV mounting



Single Axis Trackers



Tilt Adjustable Single Axis Trackers

Solar Thermal

We fabricate structures used in all types of solar thermal power plants based on customer and our own designs.



- Parabolic trough designs
- Power tower designs
- Dish Stirling (Parabolic dish)
- Fresnel Reflection

Solar Street Light

- Galvanized pole and PV module mounting
- Battery and charge control system housing
- Fabrication based on customer and location specific designs



Other products in our solar portfolio include solar powered telecom towers, Roof mounted solar structures, and Solar powered distillation plants and any other customer specific designs.

State-of-the-art Fabrication Facilities

- CNC machines for precision in fabrication.
- Capacity of 4,000 MT per month.
- Machinery capable of handling high tensile steel.
- State-of -art material handling facilities.
- Proto-assembly facilities.
- Large facility for storage.

Control Rooms and Inverter Housing

Satec offers control rooms and equipment housing for inverters and switchgears deployed in the power plant. The structures made from PUF sandwich panels provide secure and weather sealed housing for various instruments and provide comfortable accommodation for all operating personnel.



Galvanization

- Modern galvanizing plant equipped with automatic temperature control.
- Galvanizing Capacity of 4,000 MT per month.
- Zinc bath dimensions: 9,000 x 1,500 x 1,600 mm.
- Zinc holding capacity of 100 MT.
- Pre-treatment of steel using special chemicals.
- Well controlled process for achieving zinc coating up to 120 microns.
- Hot plate for uniform drying & preheating.
- State-of-the-art material handling facility.

Our Infrastructure

Satec manufactures all its products in a knock down stage. This enables to lower the cost and improve transportation convenience. **Satec's** installation team possesses immense experience in erection of steel structures all over the world. We ensure timely delivery of finished products from the factory and reliable assembly and erection on site.

Our factory location in Bhuj (Gujarat, India) provides us with unparalleled logistic advantages and strategic proximity and to most of the upcoming solar farms located in Gujarat and Rajasthan. Our esteemed clientele based all over India and various international locations rate our facilities and services best in class.

Satec's factory of 1,40,000 square feet is spread over 5 acres of land to cope with the growing demand in each of the verticals.

Satec has a dedicated capacity of 30,000 square feet for the production of PUF Panels daily. Our top of the line PUF manufacturing plant has been imported from Italy and Germany. Presently the capacity facilitates production of 9,00,000 square feet of panels per month. The fabrication shop sized 80,000 square feet manufactures telecom towers, transmission towers and auto components. The installed capacity is set at 4000 tons per month.

Satec has its own galvanizing and powder coating unit (sized 40,000 square feet) with a capacity of 4000 tons per month.





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