

# SAINT GOBAIN GLASS INDIA



## INDUSTRY

Manufacturing

## LOCATION

Bhiwadi, Rajasthan

## SPECIFICATIONS

**Solar Panels:** Avancis

**Inverters:** Ingeteam

**Capacity:** 450 kW

**Roof Size:** 240 X 30 meters

**Project Duration:** 4 Months

**Type:** On-Grid

## SCADA Systems

- Supervisory Control & Data Acquisition
- A computer system for monitoring, gathering and processing real time data
- Manages Industrial Processes Locally and/or Remotely

## CLIENT PROFILE

Saint Gobain Glass India Ltd. is a subsidiary of a French multinational corporation Saint Gobain S.A., manufacturing and marketing solar control glass, fire resistant glass and several other types of float glasses in India.

## BUSINESS NEED

The client, located at Bhiwadi, an industrial hub in Rajasthan, is a manufacturer of float glasses.

Glass industry, with its huge production process alarmingly pollutes the environment. Our client decided to take a stand against pollution, global warming and ozone layer depletion by embracing environmental conservation with eco-friendly solutions.

They decided to harness renewable source of energy, preferably solar power, for their industrial production and all the other activities.

## CHALLENGES

The sheer size of the project was prodigious and the lofty stature of the warehouse demanded installation of panels at a height of 18 to 25 meters, rendering the use of ladders impossible important meetings whilst securely distributing the necessary

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- A Log File to Record Events

## SAVEGEO DELIVERY

SaveGeo was ecstatic and zealous about being in service for such a well-intentioned endeavor towards the betterment of our environment. By taking complete responsibility of their requirements, we provided them hassle-free services.

Despite treading a path laden with obstacles and challenges, we completed their project in 4 months, including 1 month of site survey and contracting. The highlighting point about this project was that our operations continued in parallel with the plant running without no production loss.

We offered them rooftop solutions for the roof of their warehouse, employing cranes to get to such a great height, covering an area of 240 x 30 meters, one side of the roof.

Employing Avancis's solar panels with thin crystalline modules, fit for low visibility places, we installed 4500 solar panels to generate 450 KW power, each panel producing 100-110 watts of power. We also installed Ingeteam inverters of 400 KW power.

### Some Key Features

- In-house generation of electricity
- Cost-effective solution
- Significant savings on monthly electricity consumption
- A strong social message highlighting considerate responsibility towards environment

### THE BOTTOM LINE

- 1<sup>st</sup> of its kind Solar Power Plant in Rajasthan
- Completion of such a huge project in 4 months was a benchmark set in solar development
- Cost-effective energy saving by a huge margin
- A contented conscience due to offering something prodigious for the environment