



**SJ ENGINEERS**  
RENEWABLE ENERGY PVT LTD

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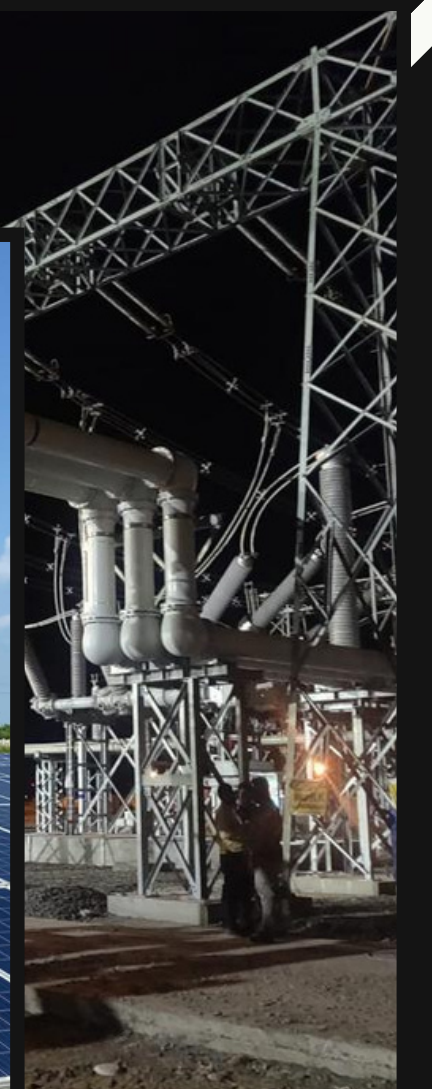
*Company Confidential*  
*Reliance restricted*  
*Jul 2023*



# ABOUT SJE

*SJ Engineers Renewable Energy Pvt Ltd (“SJE”) is a leading provider of solar power solutions, serving industrial, institutional and commercial clients in India. We specialise in providing EPC services for solar and wind projects, and also offer value added services such as land aggregation, etc.*

*Our team of highly skilled engineering professionals has delivered some of the most complex and technologically advanced projects in Tamil Nadu for our clients over the last 10 years.*





# VISION & MISSION

## Our philosophy: Green energy for life

*We are in a mission to help save the world, by providing clean energy solutions that enable companies to reduce their carbon footprint. We aspire to make it possible for anyone to install solar panels and in turn take an incremental step to save the environment.*

### *Our Mission*

*We're in the business of providing clean energy solutions to inspire people to build a better, greener future.*

### *Our Vision*

*Pave the way for a greener world, by powering one office, home and street with clean energy at a time.*

### *Our Values*

*At our core, we stand for sustainable development and transparency, and providing quality services to our clients.*

# Help us save the world!

## *Solar energy is*

- **Easily available**
- **Environment friendly**
- **Economical**





# INDIA'S COMMITMENT AT COP26, GLASGOW 2022

India has committed to reach 500GW of Non-Fossil Fuel Capacity at COP26 UN Convention on Climate Change in Glasgow.

Carbon credit trading scheme introduced by the Government of India from 2023 poses significant opportunity to Companies who have achieved net zero carbon emissions.

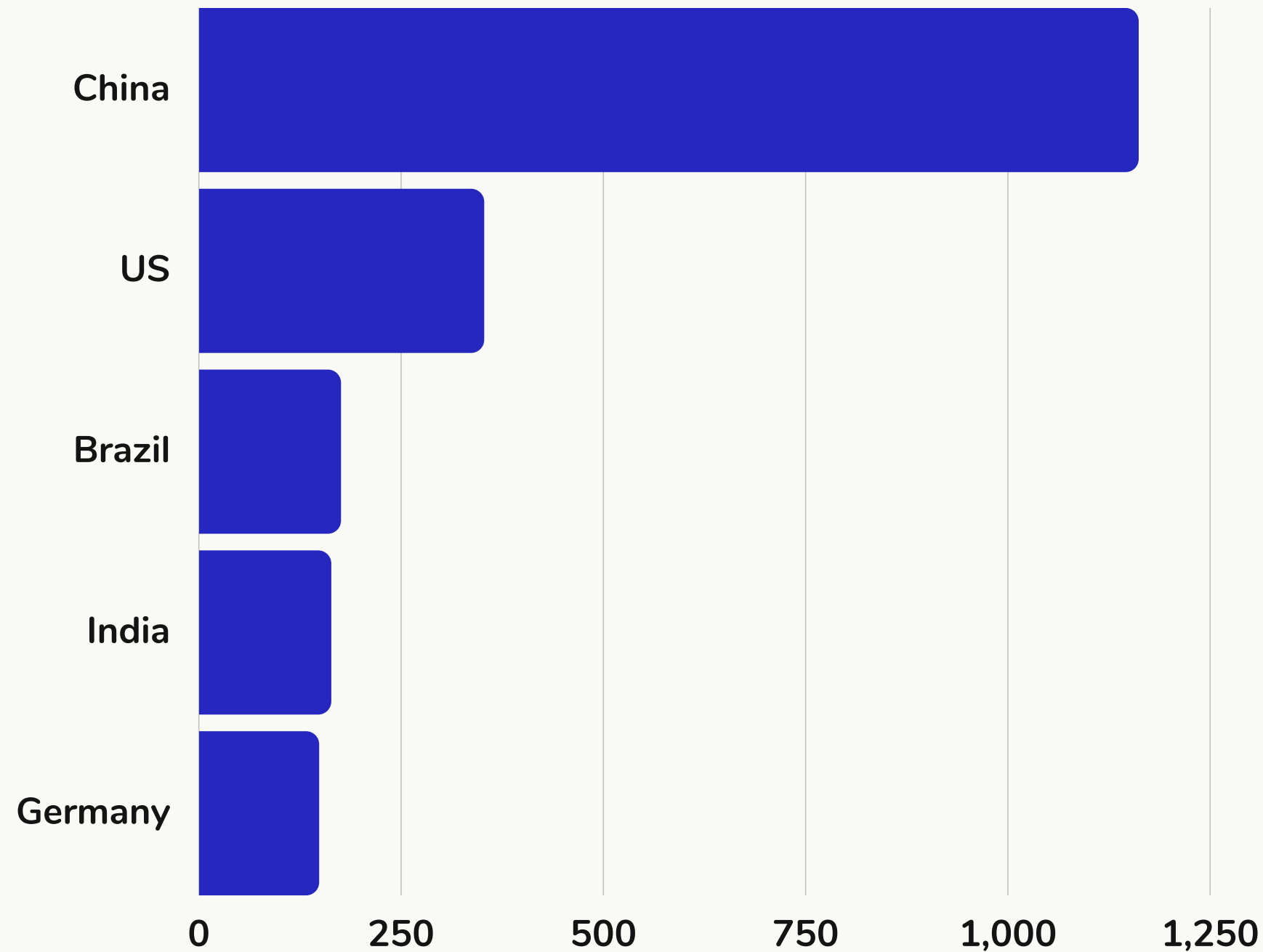


## ◆ Help reduce global warning.

In addition, India has committed to reduction of total projected carbon emissions by one billion tonnes from now to 2030.



# SOLAR ENERGY POTENTIAL IN INDIA



Source: Statista.com

**India has produced 163GW in 2022**

To meet the target 500GW of renewable energy production, India has to increase its capacity by 2x.

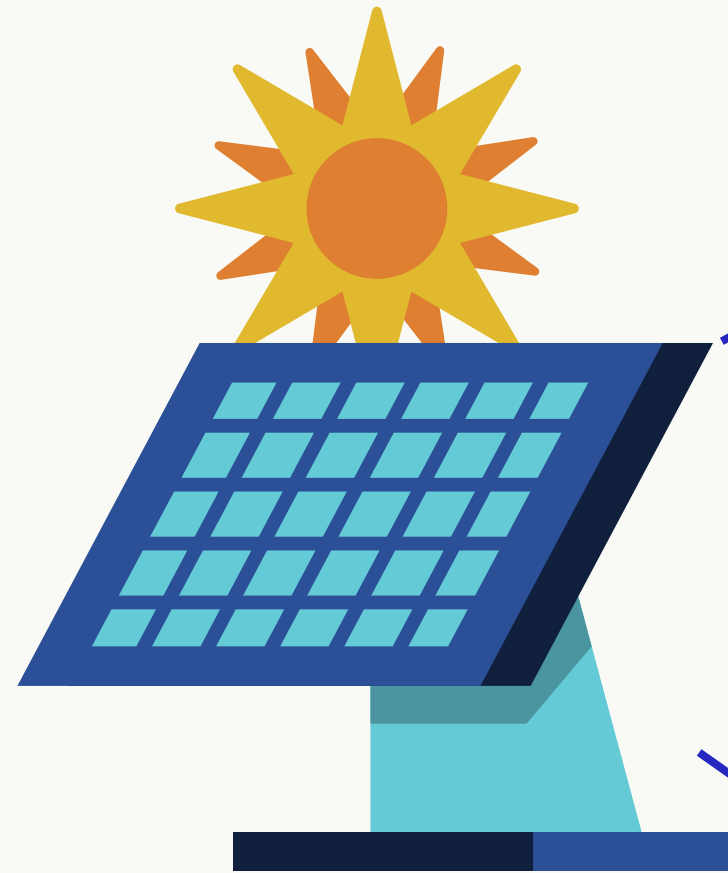
**India's solar energy potential is estimated at 748GW according to the National Institute of Energy**

**Low LCOE for solar plants**

Solar power costs 18% less than the average price required for coal-producing facilities. With the ever increasing tariff rates, the need to switch to solar energy has become the need of the hour.



# Why SJE?



## Superior Technology and High Quality Materials

Tie-up with the leading OEM in the world for panels, invertors, trackers, etc. along with the latest software for design, execution and monitoring the progress of the plant on real-time basis.



## Dedicated O&M team

We have a dedicated O&M team to identify the maintenance requirements and undertake the repairs on timely basis with state of the art equipment in order to make sure the plant works to its full potential.



## Customized green-power-as-a-service solutions

We offer EPC services along with a state of the art O&M approach, or any combination of services based on our client's requirements to drive the best design and selection of technology, while also minimising the LCOE.



## 360 degree End-to-End Product Offering

We are a one-stop shop with expertise in all aspects of a project, from land aggregation and structuring of the legal aspects, assistance with project finance, design, engineering and technical support during the project, to obtaining statutory approvals and clearances, infrastructure for last mile connectivity and finally, we are also a **pan-India power trading license holder**.





**SJE's team partners with world class equipment manufacturers and solar engineering software developers around the world to deliver solar plants in India at the global standards for our clients.**



# OUR SERVICES

**WE PROVIDE RENEWABLE ENERGY SOLUTIONS WITH CAPABILITIES TO EXECUTE BOTH SOLAR AND WIND ENERGY PROJECTS.**

We tailor-make our contracts to suit our clients' requirements and can customize our services accordingly. We can provide any one / or all the services listed alongside.

- **Power trade**

We are an electricity trading service provider holding a CERC approved Category III License for inter-state trading of electricity. Our offerings include trading services through power exchanges and other approved modes of power trading.

- **Land Aggregation**

We help our clients in large scale land aggregation, obtaining statutory approvals and clearances and Discom approvals. We have aggregated over 2,500 acres for multiple blue chip clients.

- **Independent Power Producer ("IPP")**

SJE is one of Tamil Nadu's budding IPP providers. In our IPP business vertical, we install the solar plant through our RESCO model and sell power to our C&I clients.

- **Engineering, procurement and construction ("EPC")**

Our in-house team of experts perform end-to-end EPC solutions encompassing all aspects of civil, electrical and mechanical engineering from concept to commissioning including O&M for the plant lifecycle.

- **Module Mounting Structures ("MMS Factory")**

For our EPC customers, we provide module mounting structures through our in-house manufacturing facility to ensure high quality standards, while maintaining the ROI, LCOE and project timelines.

**Bifacial solar Panels is a new alternative that seamlessly improves the energy efficiency.**

**World class panels with efficiency of c.22%**

One among the **first in Tamil Nadu** to switch to bifacial solar panels as against monofacial solar panels for our tracker-based solar plant to maximise the efficiency of the solar panels **(increase in efficiency by 10%)**



**LONGI**

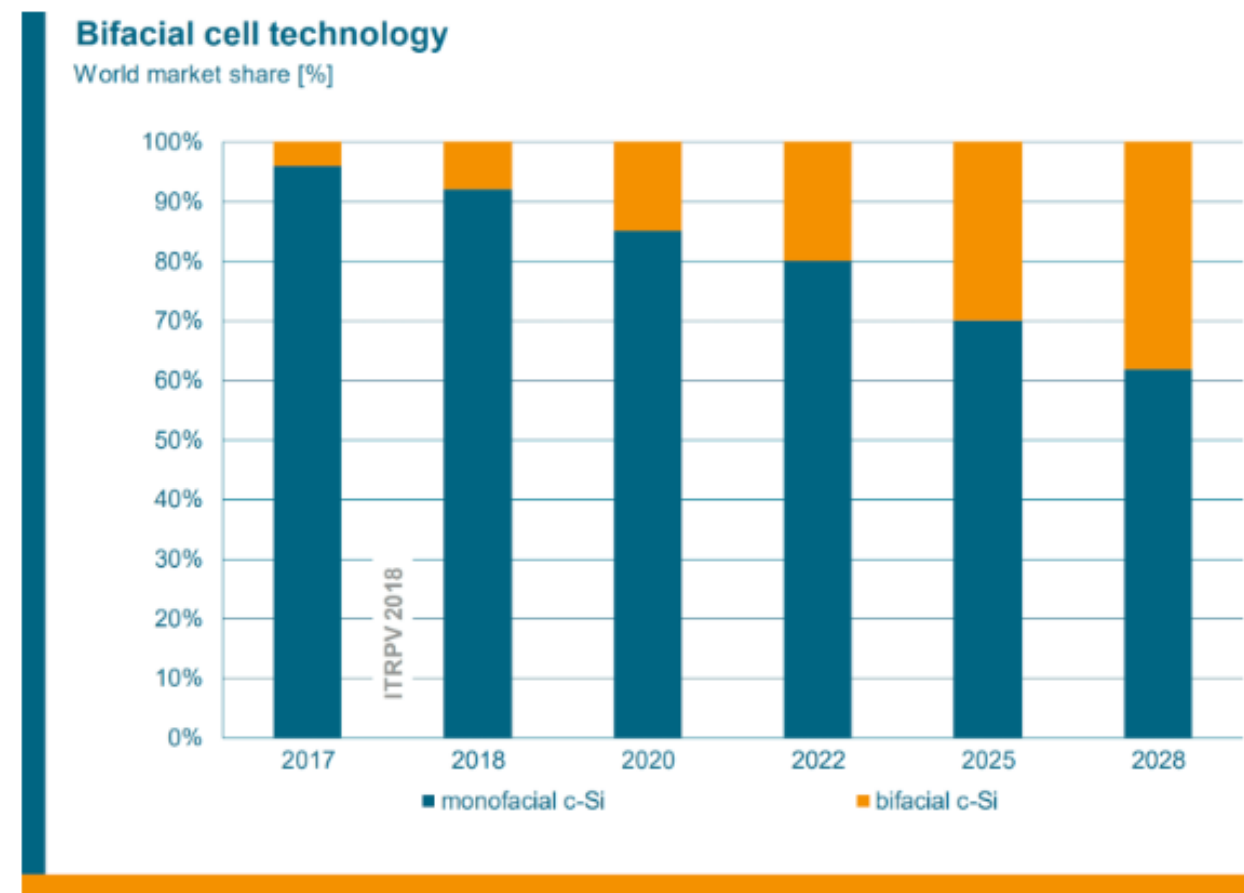


Image Source: ITRPV

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## COLLABORATION WITH GLOBAL SOLAR TECHNOLOGY LEADERS TO PROVIDE THE MOST COST EFFICIENT SOLUTION FOR OUR CLIENTS.

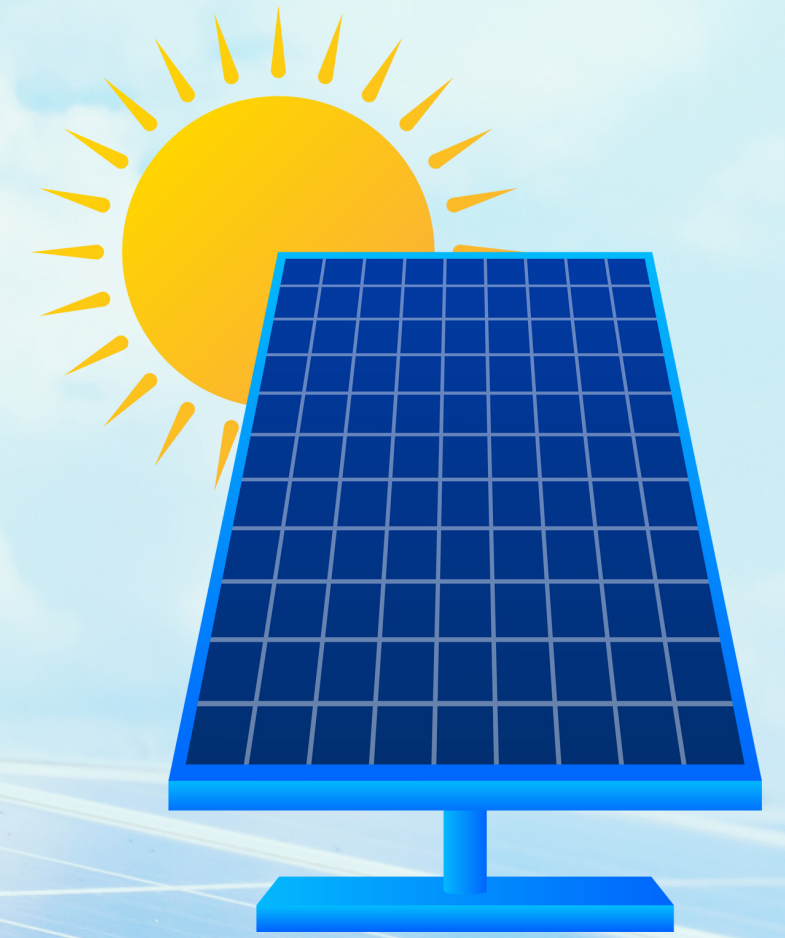
We use a new age solar engineering software - PVSYST - to generate our preliminary reports prior to execution of the project to accurately forecast the project generation based on historical data from authentic and reliable sources like NASA, Meteonorm, etc.

[Click here](#)





# A Trail Blazer in Solar Energy in Tamil Nadu



## ***ENERGY STORAGE TECHNOLOGY***

*We are in the process of development of patent for energy storage of the photo-voltaic energy in collaboration with our Japanese counterpart which is the first of its kind in India.*



# AI-based smart solar trackers to maximise average production p.u.

*We partner with Trina, one of the leading US-based equipment manufacturers in the world to enhance the reliability, maximise the yield gain and enable angle adjustability, boost ROI, and reduce installation time and costs.*



[Click here](#)

**Trina**solar 25<sup>TH</sup>



# Projects Showcase

*Some of our major completed projects executed by SJE*

<b>Location</b>	<b>Capacity (MW)</b>
Solar Park at Kovilur	25
Solar Park at Arupukottai	16
Solar Park at Vedasandur	10
Solar Park at Periyapuliyampatti	6
Solar Park at Dindigul	5
Solar Park at Ayyermalai	5

**Ongoing projects of c.10-15 MW**

**Executed projects with TCV of c.Rs.200 Cr cumulatively**

**Contracts of 200+ MW in the pipeline**

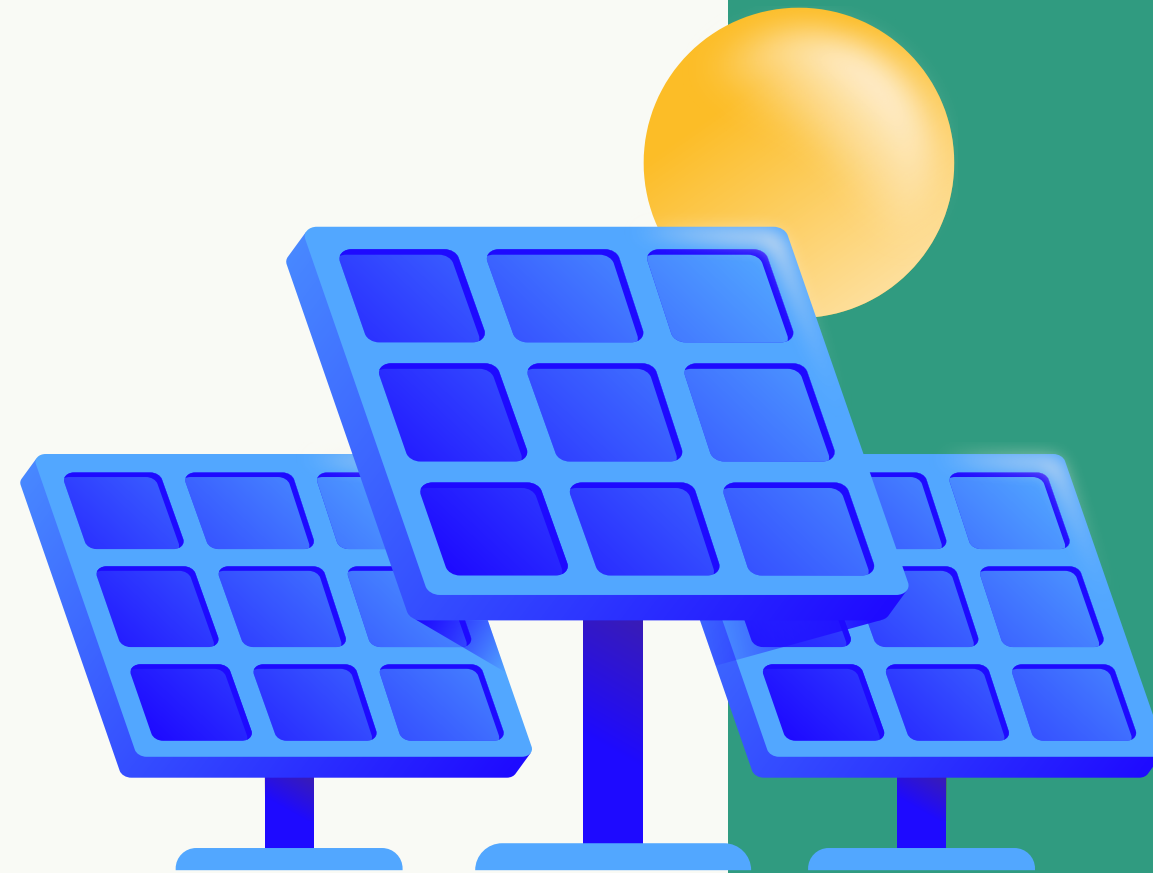
**Land deals of Rs.100+ Crores**



# Few of our Customers

- Cleantech
- Statkraft
- L&T Construction
- Vodafone Idea
- Carbonnaire
- Siemens Gamesa
- Cluster of spinning mills from Coimbatore

We have worked with some of the big-ticket solar players in the industry, having an annual capex of over Rs.500 Cr



## NEW CUSTOMERS

***30 + MW from new customers within last 6 months***

***New orders from recurring customers of c.10 MW p.a.***

# Key People



*Sridhar S*  
*Managing Director*



*Shreyas S Sankaran*  
*Executive Director*





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# Thank You

*We look forward to working with you!*

*Reach out to us for a detailed proposal and quotation.*

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## Office



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