



**SOLARIS ELECTRICAL SERVICES PVT LTD**  
The segment of Sesola Group



— CLASS -1 CERTIFIED ELECTRICAL CONTRACTOR

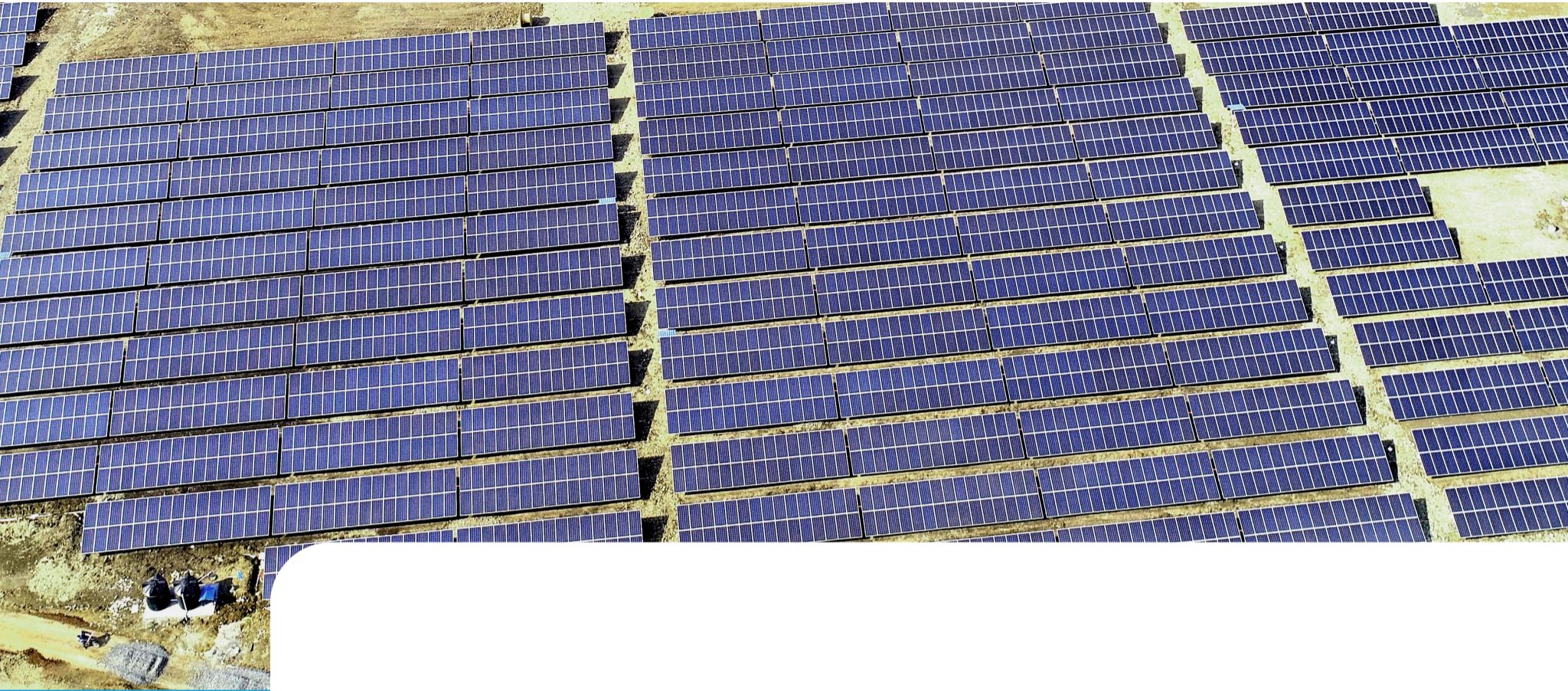
# Solar EPC Solutions

## Clean Energy

A-Grade electrical contractors, Manufacturers of HT panels, LT panels, busducts & Turnkey projects

- Westerly-Katol-20MW





— WELCOME

## Company Overview

Solaris Electrical Services is the Solar EPC arm of the Sesola Group, diversified organization in India with a combined market cap of 1Bn. We specialize in delivering Solar EPC solutions for Ground-mounted and Rooftop Solar installations, and Floating Solar PV Systems. We also provide other solar services like maintenance and training, Class-1 Turnkey Electrical Contractors and manufacturers of all types of Panel Boards, Bus ducts & HT panels, LT Panels including 800V Panels.

To always assure our customers of the standard of quality and safety we bring on-site, we are an ISO 9001:2015 (quality) and ISO 45001: 2018 (safety) certified company. With projects over 200 MW commissioned and over 100 MW under execution we are also the fastest growing Floating and Ground Mounted solar EPC Company in India.

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We extend our Services in Preparation of Complete Solar Plant Design and Drawings including Structural Engineering, Pvsyst analysis ,Stad analysis, earth Mat Designs and SBC ,SRT testings. Liaison with Electrical Supply Authority for load approvals/sanctions etc.



## Behind the creativity and our innovation-driven mindset

Established by experienced electrical engineers in 2010, Solaris provides both generic and specialized electrical engineering solutions for government and private industries. It is the amalgamation of two companies M/s Sesola power projects Pvt Ltd which has been serving the customers in establishing Electrical Infrastructure for Many Industries for the past 5 years and M/s Solaris Electrical Services Which has been serving the customers in EPC of Solar Power projects ,supply , Erection, Testing and commissioning of LT Panels, HT Panels , Busducts, Internal and External Electrification works for industries, Hospitals, commercial complexes and Etc.



### Advantages of Our Company

The directors of the company has a deep experience in design, erection, testing and commissioning of solar power plants in Many states across India including Andhra Pradesh, Telangana, Maharashtra Karnataka and Tamandu.

A highly qualified team with experienced engineers and project managers in the organization, facilitates technological independence to integrate third-party equipment in multi-vendor systems within prescribed scope, time, cost and quality. Solaris is a solid partner in technology services to address both new projects and upgrading existing systems.

From basic engineering to turnkey substation control systems commissioning, the company provides comprehensive engineering services including protection and control panel building, IEDs integration, system testing and commissioning services for utilities and other private customers.



Man Power working  
**300+**

Solaris is a People powered Business with Talented and hardworking people.

Capacity Installed  
**200MW**

And Counting to Energize the future with solar power.

Projects Executed  
**60+**

Supplying electricity to more than 255,000 homes with Zero GHG Emmissions.

Revenue Generated  
**₹1Bn**

Solar as an Economic Engine, We are growing Faster

## Pursuit of Perfection

**We set aggressive goals:** We set stretch goals and always celebrate when we reach them.

**We do right by people:** We take care of our employees, clients and trade partners and foster relationships with them based on mutual trust and reliability.

**We get stuff done:** We are results driven and pride ourselves on being a company of doers.

**We are a place where people can excel:** We give people the motivation, resources and opportunities to advance and grow.

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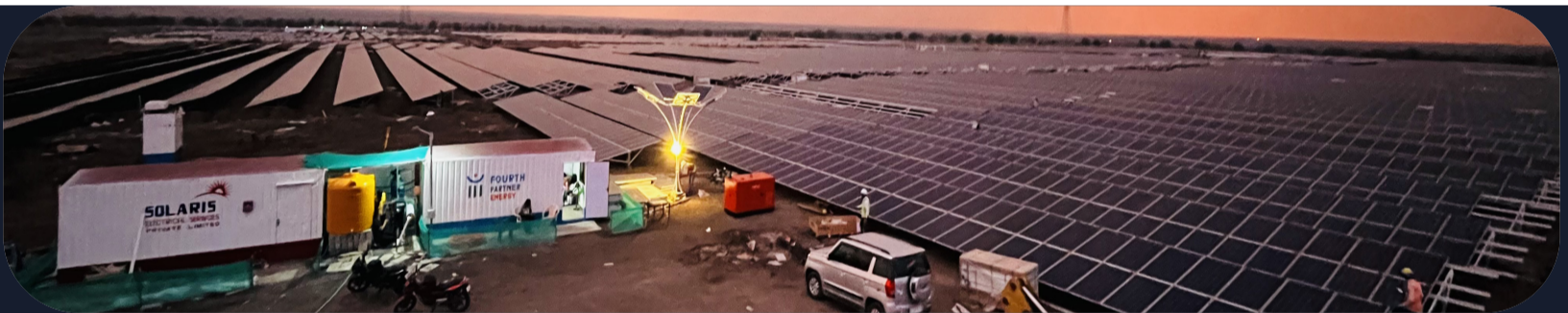
We are having 25 Engineers working for Organisation with 250 + Supervisors and Technician & 500+ highly skilled , Semi skilled and Unskilled man power. Solaris Having having Highly skilled and talented IIT post Graduates ,MBA, Engineering and Diploma Candidates



## Why is it Worth Choosing Us?

With over 200+ MW installed to date and a Top 10 list of Top Solar Contractors in India, Solaris Electrical Services is a national leader in renewable energy. Solaris provides turnkey energy engineering, procurement and construction (EPC) services in commercial, industrial and utility scale solar. Focusing on value-engineering, prefabrication and product optimization, our Renewables team offers powerful solutions under challenging circumstances to our solar clients.

We are Class -1 Licensed Electrical Contractors and undertake turnkey projects of electrical installations including the design engineering, manufacturing, supply and installation of Power Equipment systems. Our area of specialization is illumination of Hydro electric power stations, Solar, Wind, TPS, and AC and DC switchyards along with control room. Turnkey Electrical Project contractor undertaking turnkey projects of Electrical Installations including Design, Engineering, Supply, Installation, Testing & Commissioning for EHV Sub-stations & Transmission Line up to 400 KV, Power Distribution, Electrification work, Substation automation etc. for Power co-generation projects, Hydro power projects, Wind Power Projects, Huge industrial projects etc. Illumination design, manufacturing supply and Erection testing and commissioning.



## Our Objective

To provide the most compelling value in the solar energy industry. Value, as defined by our Partner Clients means designing and installing the highest quality solar energy systems, on time, safely, with best quality and customer satisfaction, at a low cost.

01.

Build a world class portfolio of renewable energy assets and be in the top globally.

02.

Be a responsible corporate citizen and uphold the highest standards of corporate governance, ethics and integrity.

03.

Maintain the highest standards of quality and sustainability and act responsibly at all times.

04.

Build a culture of excellence by efficient and safe execution of all our projects.



## Advantages of Our Company

The Company offers Design, Detailed Engineering, Procurement, Installation and Commissioning services under Turnkey Solar EPC Solutions for Utility scale Ground-mounted, Rooftop and distributed, Solar Parks, CAPEX as well as OPEX projects. Business Model we Offer:

Capex (Capital Expenditure) is a common business modal for solar deployment in India where the consumer purchases the solar PV system, by making 100% of the payment upfront of financing the system, often through a bank.

Looking for minimum investment and reduced utility costs, then OPEX solar solutions is the right choice of investing in a solar PV system. Most commonly invested for large scale solar projects, OPEX solar solutions allows our clients to only pay for the units they use and enjoy our free EPC and O&M services.

Solaris has extensive references and a strong record of successfully delivering major power plant projects, often on very demanding project schedules (fast-track), to support governments, local communities and industrial customers around the world.

### Design and Erection:

Solaris Electrical Services has several years of experience in installing PV Modules and supporting structures, Electrical works (both AC and DC) including installing inverters and necessary civil works including Plumbing works. Our real strength is our team of hardworking and qualified working professionals who complete our clients' requirements on time and within the budgetary limits.

### Testing and commissioning:

Solaris recognizes the importance of testing and commissioning of the electrical equipment such as relays, breakers, transformers, CTs, PTs etc. after their installation. We Provide testing and commissioning services as per the prescribed norms authorization from CEIG of Govt. of Telangana & Andhra Pradesh for conducting testing of Transformer oil, protective relays etc. and issue Test Certificates and Reports. we also have NABL Accreditation for testing of Energy meters, Current Transformers up to 2500Amps and Voltage Transformers up to 132kV.

### Life Cycle Maintenance:

We strongly believe in "Prevention is better than cure". We inspect, catalog, and tag the equipment. Then we develop a customized Lifecycle Maintenance Program to match our customer's requirements. Each piece of equipment will have its own specific checklist outlining all of the service procedures and safety checks we will perform for routine and periodic maintenance. These checklists have been developed to assure that all critical components and operating functions are checked and verified.





**Channel Partnership:**  
We are the one of the channel partner of M/s. ABB , for the 11 KV & 33 KV HT Breakers.

**Our Motto:**  
Quality of products and services has been the prime focus of our business operations since the inception of our company.

## — THE COMPANY

# Panel Board Manufacturer

We take the privilege to introduce ourselves as one of the leading Electrical Panel Builders and “A” Grade Electrical Contractors based in Hyderabad, India.

**Certifications:** We applaud with pride to say that our Low voltage panels and busducts have been type tested and got certified by “CENTRAL POWER RESEARCH INSTITUTE, BANGALORE” for a rated short circuit withstand level of 50KA RMS for a duration of 1 Second.

### HT Panel Boards & Compact substations

We manufacture and supply HT panels up to 33KV VCB/ SF6 Circuit Breaker Panels. We manufacture the panels with technically high qualified engineers and the technology

### LT Panel Boards

We design, manufacture and supply the following LT Panel boards (PCC,MCC,APFC, C&R, SYNC,DG) as per our customer’s specifications. Tested by CPRI, Bangalore.

### Busducts

We design, manufacture and supply of Air Insulated Busducts with Aluminium or Copper Busbars as per customers need. Our bus ducts upto 6300A have been tested and certified by CPRI,

### Cable Trays

Perforated Cable Tray & Ladder Type Cable Trays To provide space for laying cables at various levels of height where there is no chance to lay cables in trenches and underground.





## O&M Services for Solar Power Plants!



**Solaris Electrical Services (SES) has the capabilities as well as experience in all aspects of solar plant O&M to help deliver optimal power.**

Includes full maintenance of all photovoltaic and other equipment on the DC side, as well as alternating current up (solar panels, inverters, electrical panels, cables, etc.).

Services for (transformer substations and switchgears).

### Module Cleaning

The regular cleaning of solar modules results in optimized power output and protects installations against costly failures, Demineralized water (with neutral pH) has been a preliminary requirement for all solar power plants.

#### Robotic Cleaning System

Due to unavailability of local water bodies, For such reasons, Solaris Provides the automatic Robotic dust cleaners that could be of utmost importance. This device consist of a nylon brush, pair of wheels the frame and in-build solar panel.

Robotic cleaning is perfect for Indian weather conditions when compared to the Middle East where sand storms can cause a massive load of sand to settle on the solar panels where robots cannot be deployed. The best validation of Indian is the sudden influx of major robotic cleaning by Solaris Electrical Services Pvt Ltd



## Safety & Quality

Safety, as trivial as it may sound, is one of the most important factors for work at the site. Since the work happens at the off-takers site, it becomes a matter of concern for not just the developer/EPC player but also the off-taker. In many cases, people at the site are unaware of the specific and generic safety measures to be taken for solar power plant installations. We often tend to believe that actual safety measures are taken care of only during the installation process. But a large part of planning the work at site involves how to work in the safest possible manner and be highly efficient and prepared for emergencies.

- Highly trained personnel are appointed for solar power installation and to maintain the solar power safety. These technicians use personal protective equipment (PPE) of extremely high standards.
- A Job Safety Analysis (JSA) is conducted before executing any project.
- Even after solar power installation, the O&M work is carried out with strict adherence to safety norms at site.



### Best Quality Award from **Fourth Partner Energy Pvt Ltd.**

Solaris has successfully implemented the ISO 9001:2015 standard in quality management system.

Regular review and quality audits of our internal processes. Management reviews of audit results, client feedback and complaints. Detailed reporting and communication to all stakeholders. Overview and control of the procedures by an internal Compliance Team

and by process owners. Regular gathering and monitoring of client feedback. Detailed process management, enhancement and control. Strong incident control, response and reporting. Training and development for our employees.



Passion drives people to be great at what they do.  
We are committed to making a positive difference in the world.



— THE TEAM

## Qualified Engineers

Our passionate team of leaders exemplifies what sets Solaris Electrical Services apart; it's why we have endured. We care about our customers and each other, and we stand for our beliefs. We have a strong sense of purpose and a culture of excellence.

With 300+ employees, we successfully complete a large number of solar installations each year, earning us the respect and loyalty from customers, peer companies, industry influencers, and partners.



**Kiran Kumar G**  
Director



**Krishna MV**  
Director





Solaris Electrical Services has Certified Licensed Professionals, These designations signal our fundamental belief in the power of business to tackle social and environmental challenges while creating a positive and professional workplace for our employees. We hold ourselves to the highest standards of social and environmental performance and accountability.

**The SES Team is made up of passionate people from all walks of life. The one thing we all have in common - we envision a world powered by renewable energy!**



**Anil Kumar D**  
Director & Operations



**Venkata Madhu M**  
Projects



**Durga Prasad G**  
Projects

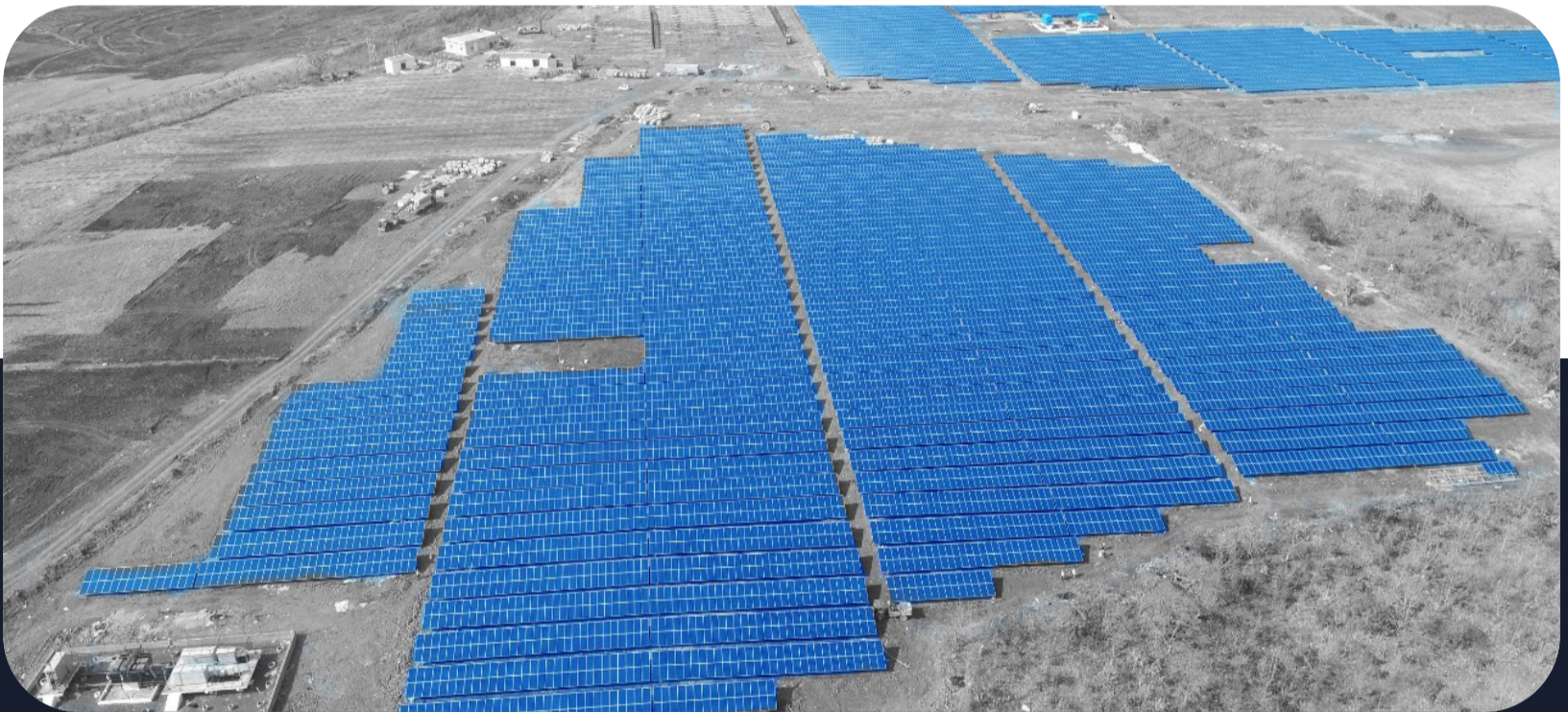


## Recent Projects

Solaris had done perhaps the most diverse renewable energy assignments, Over the past many years, we have had the opportunity to work with some of the most prominent global and Indian corporates, organisations, and government bodies, providing them with strategic intelligence and business assistance.

As one of India's renewable energy players, Solaris is positioned at the top to deliver to the changing landscape of India's renewable energy

Our Renewables Business is aimed at dedicating our country with energy from green natural resources from the power of the sun



### List of Projects Executed and Under Construction

With a long list of happy clients and undeniable results, Solaris Electrical Services [SES] has been one of the safest and most respected key Electrical Contractors in India. And we continue our strategies in Harnessing the power of the sun by Developing future with complete solar solutions.

#### Floating Solar

At Solaris, we have been proudly developing large-scale floating PV plants for commercial, government and non-profit institutions in India and Worldwide.

#### Ground -Mounted Solar

The construction of ground-based solar power plants is quite popular. A big advantage at the terrestrial arrangement of solar panels is that they are easily oriented.

#### Rooftop Solar Solutions

Solaris contracting services for the construction of roof-top solar PV power plants. We carry out a full range of works, including the design and installation of solar panels on



**20MW- Fourth Partner Energy Pvt Ltd**

Supply, Erection,Testing,  
Commissioning of complete 20MW  
Solar power plant Civil, D.C, A.C.side  
Client: TCS

**1MW- Fourth Partner Energy Pvt Ltd**

Erection,Testing, Commissioning of  
complete Civil, A.C , D.C side works for  
1MW Solar power plant  
Client: HUL

**2MW- PES Engineers Pvt Ltd**

Supply,Erection,Testing,  
Commissioning of Complete A.C , D.C  
side works for 2MW Floating  
Client: GVSCCL

**15MW- Fourth Partner Energy Pvt Ltd**

Supply, Erection,Testing,  
Commissioning of complete 15 MW  
Solar power plant Civil, D.C, A.C.side  
Client: UBL,UTCL, WESTERLY

**2MW- Fourth Partner Energy Pvt Ltd**

Supply, Erection,Testing,  
Commissioning of complete A.C , D.C  
side works for 2.2MW Floating Solar  
Client: Shyam Sel & Power

**5MW- Vikram Solar Pvt Ltd**

Supply,Erection,Testing,  
Commissioning of Complete A.C , D.C  
side works for 5MW Floating  
Client: Bharat Dynamics Ltd

**23MW- Saffron grid Limited**

Erection,Testing, Commissioning of  
complete 23MW Solar power plant  
Civil, D.C, A.C side  
Client: CLEANMAX

**4MW- L&T Limited**

Supply, Erection,Testing, Commissioning  
of complete A.C , D.C side works for 4MW  
Floating Solar power plant  
Client: TSCCL

**10MW- Oberon Power Corp Pvt Ltd**

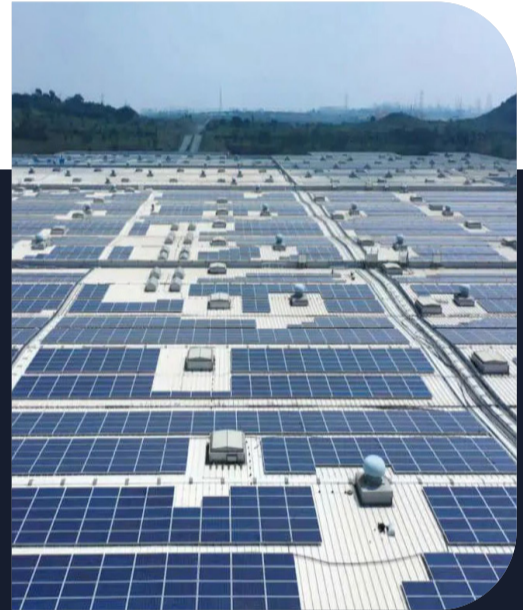
Supply,Erection,Testing,  
Commissioning of complete 10MW  
Solar power plant Civil, D.C, A.C.side  
Client: Self



50MW + Capacity installed  
in Floating Solar Power



100MW + Capacity installed  
in Ground mounted



50MW + Capacity installed in  
Rooftop Solar system

**2.5MW- Fourth Partner Energy Pvt Ltd**

Client: Pawan Industries

**2.5MW- Novus Green Energy System**

Client: GVSCCL

**1.5MW- Fourth Partner Energy Pvt Ltd**

Client: HUL Chiplun

**2MW- SVR Corp Pvt Ltd**

Client: Self

**1.2MW- Fourth Partner Energy Pvt Ltd**

Client: Agarwal Associates

**6MW- Virchow Petro-Bio-chemical**

Client: Self

**2MW- Vyshaka Solar Power**

Client: Self

**10MW- Fourth Partner Energy Pvt Ltd**

Client: Hyundai Motors

**1MW- Panasonic Carbon India Ltd**

Client: Self





## What Distinguishes Us from Others?

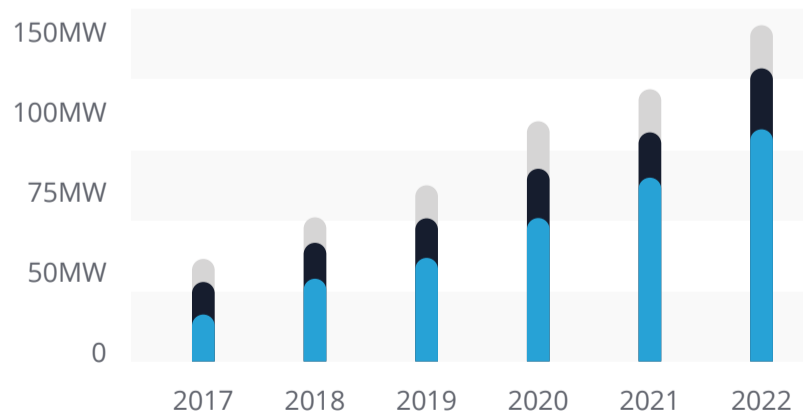
Solaris Electrical Services Private Limited is a **fully forward-integrated and comprehensive EPC solutions provider**. We deploy world-class technology to design, install and commission benchmark solar projects worldwide.

Sesola Group	2019	2020	2021	2022
Floating Solar Installed	2MW	4MW	3MW	28MW
Ground Mounted Installed (Roof, Ground, Tracking)	10MW	6MW	48MW	75MW
Total Capacity Installed	12MW	10MW	51MW	+103MW
Total O&M Ongoing	9MW	11MW	142MW	184MW
Turnover	14CR	10CR	+40CR	+110CR

Use of high reliability modules: Best-in-Class efficiency at NOCT (OST Energy)

BOS (Balance of systems);procuring the right components to successfully install PV power plants

● O&M      ● Projects







## CONTACT US

# You ask. We answer.

Solaris mission is to deliver innovative, responsive solutions to our clients through professional engineering, surveying, project management, contracting and consulting.



### Our Office

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