



SESOLA POWER PROJECTS PRIVATE LIMITED

**WE CHAMPION THE FUTURE  
OF SUSTAINABLE ENERGY**

COMPANY PROFILE



Visit Our Website

**sesolaenergy.com**





# COMPANY OVERVIEW

Sesola Power Projects Private Limited, part of the ISTL Group, is a fast-growing provider of sustainable energy solutions. Headquartered in Singapore, we operate in India, the Middle East, and Africa through IST Labs, Sesola Power, and ISTL Energy.

Since 2017, Sesola has commissioned over 543 MW of solar capacity and continues to execute high-impact projects across ground-mounted, rooftop, and floating solar segments. Our core services include complete EPC solutions, electrical contracting (HT/LT panels, bus ducts, substation works), and engineering design using Pvsyst, Sketchup, and other advanced tools. We are ISO 9001:2015 and ISO 45001:2018 certified, ensuring a focus on quality, safety, and client satisfaction.

In addition to solar, Sesola has forayed into the Compressed Biogas Plant (CBG) sector, delivering sustainable waste-to-energy solutions. Our CBG projects convert organic waste into clean, renewable fuel for industrial use, mobility, and grid integration—aligning with India's green energy vision.

With strong in-house capabilities and a focus on innovation, Sesola delivers high-performance, cost-effective systems tailored to diverse customer needs. Whether in solar EPC or biogas development, our goal is to lead the clean energy transition through scalable, future-ready solutions.

# ABOUT US

## Driven by Innovation: The Power Behind Our Creative Spirit

Founded in 2017 by a team of experienced electrical engineers, Sesola Power Projects Private Limited began with a focus on delivering reliable HT and LT panels and electrification solutions. Over time, we have grown into a diversified renewable energy company with a strong foundation in technical expertise and a drive for innovation.

Our journey includes the successful execution of large-scale solar and electrical infrastructure projects across hospitals, commercial buildings, and industrial facilities. In addition to solar EPC, we provide essential services such as maintenance, training, testing and commissioning, and coordination with utility authorities for load sanctions and approvals.

We also specialize in solar design optimization using tools like PVsyst, ETAP, AutoCAD, SketchUp Pro, and Helioscope—offering tailored, site-specific engineering to ensure high performance and durability of each system.

We have also forayed into Compressed Biogas Plant (CBG) projects, converting organic waste into renewable fuel—furthering our commitment to sustainable energy alongside our core solar offerings.

At Sesola, we combine engineering precision with creative thinking to deliver efficient, scalable, and sustainable energy solutions.



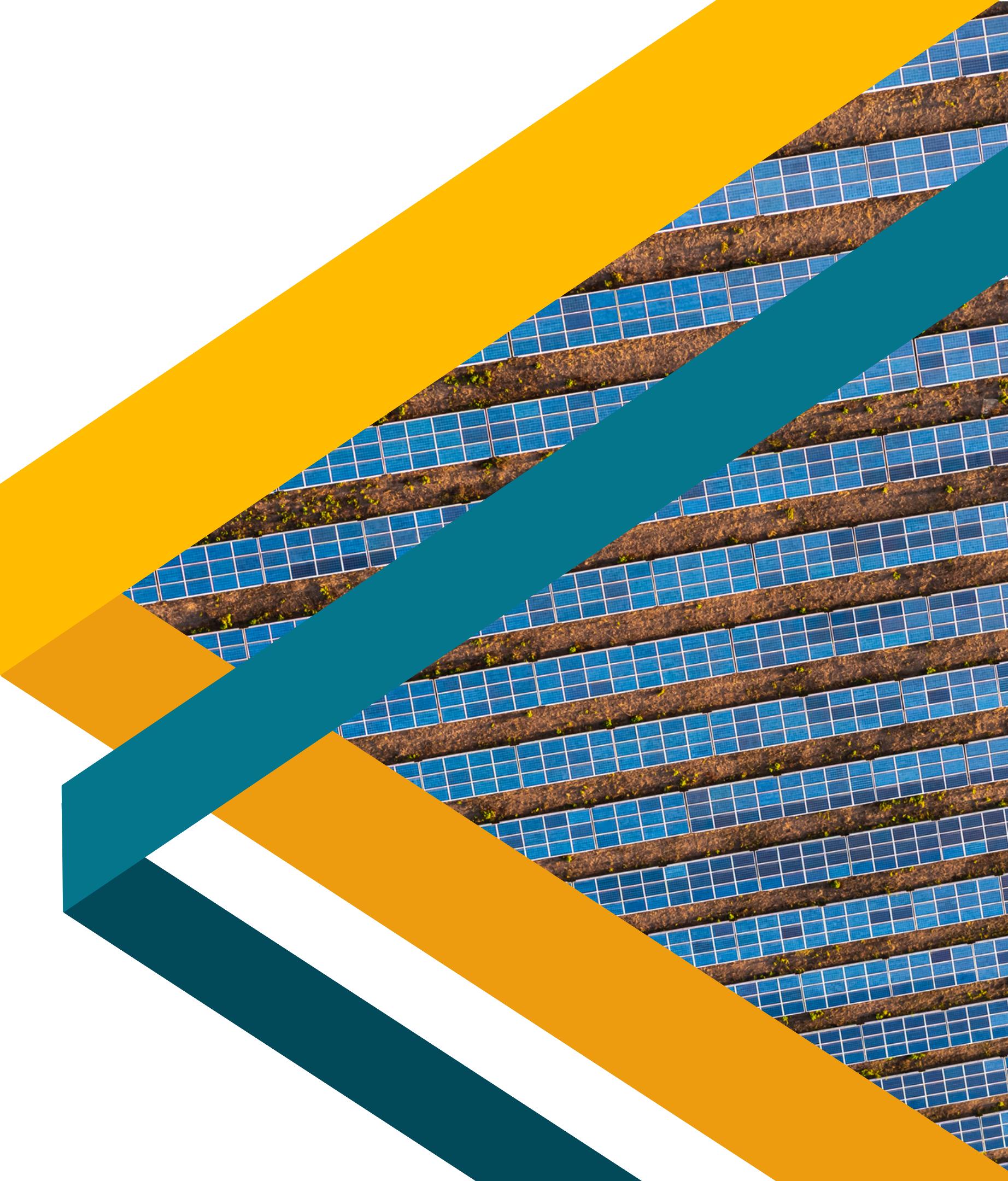
## **Advantages of our Company**

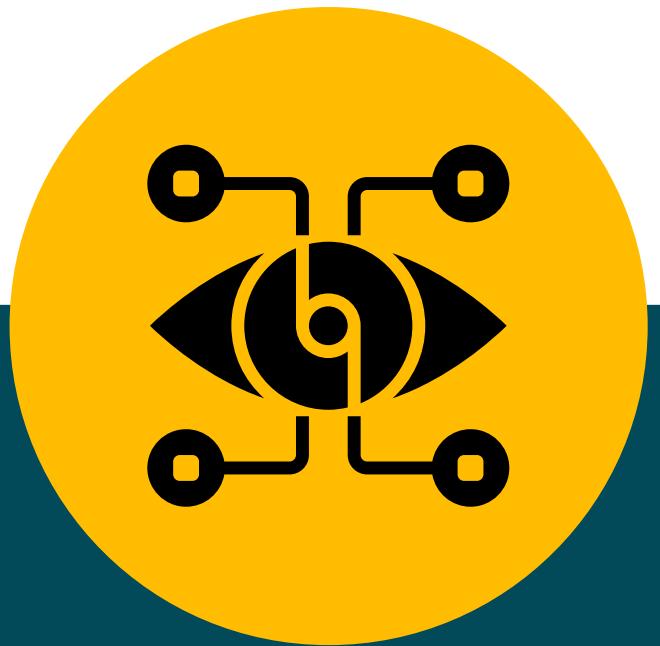
- Expertise in integrating third-party equipment into multi-vendor systems within defined scope, time, cost, and quality parameters
- End-to-end engineering services, including protection and control panel building, IED integration, system testing, and commissioning
- Strong commitment to quality (ISO 9001:2015), safety (ISO 45001:2018), and customer satisfaction
- Comprehensive EPC solutions for ground-mounted, rooftop, and floating solar installations
- In-house capabilities for Pvsyst analysis, STAD design, and earth mat SBC and SRT testing
- Turnkey Class-1 electrical contracting services, ensuring seamless execution
- Coordination with electrical authorities for load approvals and sanctions
- Skilled teams for Commercial & Industrial (C&I) and utility-scale project execution

**300+**  
MANPOWER

**535.78MW**  
CAPACITY INSTALLED

**60+**  
PROJECT EXECUTED





## Company Vision

At SESOLA, our vision is to promote efficient energy usage across various sectors of the economy by leveraging data analysis to enhance profitability and operational efficiency. We are committed to setting high standards of excellence, both personally and professionally, as we strive to lead the way in transforming energy practices for a sustainable future.



## Company Mission

At SESOLA, we aim to provide high-quality products that fulfill customer needs while ensuring a satisfactory return on investment. We focus on opportunities in the power and green energy sectors, leveraging innovative technologies to boost our market presence. Our commitment to continuous improvement in quality, productivity, value, and customer satisfaction helps us meet evolving client expectations.

# OUR COMMITMENT

At Sesola, we are dedicated to doing right by the people we work with, including our employees, clients, and trade partners. We believe that building strong, lasting relationships is key to our success, and we work diligently to earn the trust and confidence of everyone we engage with. With our trade partners, we prioritize fostering mutually beneficial relationships founded on trust, integrity, and reliability, ensuring long-term success for all parties involved.



## Employee Focus:

We prioritize a safe, empowering work environment that encourages growth, development, and well-being.



## Trade Partner Relationships:

Building strong, collaborative partnerships based on mutual respect, trust, and shared success.



## Client Trust:

Delivering exceptional service, on time and within budget, while exceeding client expectations.



## Sustainable Practices:

Committed to environmentally responsible and sustainable energy solutions in every project.



## Quality & Safety:

Ensuring high standards of quality, safety, and compliance in all our operations.

# OUR TEAM

At Sesola Power Projects, we believe our success is driven by the talent and dedication of our employees. Our team of skilled professionals is committed to delivering top-notch EPC solutions for solar energy projects. We focus on creating an environment that supports growth and development through training, career advancement, and an inclusive culture. By attracting, developing, and retaining top talent, we ensure a successful, people-powered business.



## **Skill Development:**

Ongoing training and development programs to ensure our employees grow with industry advancements.



## **Employee Well-being:**

Commitment to creating a safe, healthy, and supportive workspace for our people.



## **Career Advancement:**

Clear paths for professional growth and opportunities for promotion within the company.



## **Attracting Talent:**

Actively seeking to bring the best and brightest talent into our team to drive innovation and excellence.



## **Inclusive Culture:**

A supportive, inclusive work environment that values diversity and teamwork.

# OUR OBJECTIVE

Our mission is to provide unmatched value in the solar energy industry by delivering high-quality, cost-effective systems that meet our clients' expectations. We focus on designing and installing reliable solar solutions on time, with a strong emphasis on safety, quality, and customer satisfaction. For our Partner Clients, value means excellence in execution, efficient project delivery, and long-term performance—all achieved without compromising affordability or service standards.



## Global Leadership:

Build a world-class portfolio of renewable energy assets and rank among the top global players.



## Ethical Governance:

Uphold the highest standards of corporate governance, ethics, and integrity as a responsible corporate citizen.



## Operational Excellence:

Foster a culture of excellence through efficient, safe, and timely project execution.



## Quality & Sustainability:

Maintain uncompromising standards of quality and environmental sustainability in all operations.



## Customer-Centric Innovation:

Deliver long-term value by focusing on innovation, client satisfaction, and sustainable growth.

# WHY CHOOSE US

## **A Leader in Design and Erection Services**

At Sesola Power Projects, we are dedicated to delivering top - quality design and erection services for photovoltaic (PV) systems. With years of experience in the field, we specialize in the installation of PV modules and supporting structures, electrical works (AC and DC), inverters, and plumbing.

## **Committed to Thorough Testing and Commissioning**

At Sesola, we understand the critical importance of thoroughly testing and commissioning electrical equipment, including relays, breakers, transformers, CTs and PTs. That's why we offer comprehensive testing and commissioning services in accordance with the norms and authorization from CEIG of the Governments of Telangana and Andhra Pradesh.

## **Prioritizing Prevention through Life Cycle Maintenance**

At Sesola, we believe in the adage that "Prevention is better than cure". That's why we offer comprehensive life cycle maintenance services to ensure the optimal functioning of your equipment. We begin by conducting a thorough inspection and cataloging of your equipment, tagging each piece to ensure efficient tracking.

Sesola Power Projects Private Limited is a fully forward-integrated EPC solutions provider, offering end-to-end services from design to commissioning. With a strong focus on innovation and quality, we deploy world-class technology to deliver high-performance solar energy systems tailored to diverse needs. Our expertise spans ground-mounted, rooftop, and floating solar projects, ensuring reliability, efficiency, and sustainability. Backed by a proven track record and a commitment to excellence, we execute benchmark projects globally, driving the transition toward clean, renewable energy.

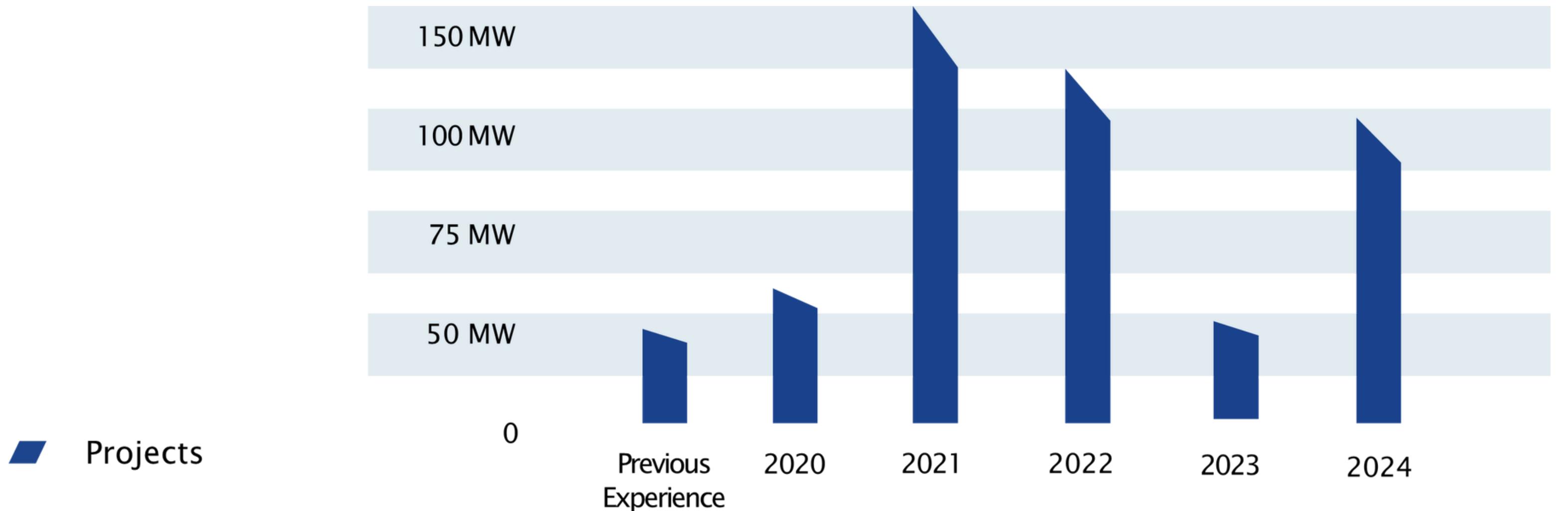
SESO LA	Previous Experience	2020	2021	2022	2023	2024
<b>Ground Mounted Installed</b>	<b>41 MW</b>	<b>63 MW</b>	<b>159.03 MW</b>	<b>144 MW</b>	<b>23.75 MW</b>	<b>105 MW</b>
<b>Total Capacity Installed</b>	-	<b>104 MW</b>	<b>263.03 MW</b>	<b>407.03 MW</b>	<b>430.78 MW</b>	<b>535.78 MW</b>

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

# BOS (Balance of Systems)

Balance of Systems (BOS) is vital for the successful installation of PV power plants. It involves procuring components such as electrical systems (inverters, transformers, cables), structural elements (mounting systems, foundations), and monitoring equipment. Proper selection and integration of these components ensure smooth installation and system efficiency.

Effective BOS planning and attention to detail during procurement prevent delays and ensure all components are compatible. A well-managed BOS process enhances performance, reduces costs, and ensures long-term reliability of the PV plant.



# OPERATION AND MAINTENANCE

## Maximizing Solar Power with Sesola's Comprehensive O&M Services:



### Complete System Maintenance:

We offer full maintenance services for all photovoltaic equipment, covering both DC side components (Solar panels, inverters, electrical panels, cables) and AC side systems.



### Specialized Equipment Care:

Expert maintenance for critical components such as transformer substations, switchgears, and protection systems to ensure optimal functionality.



### Performance Monitoring:

Continuous monitoring and diagnostics to track system performance, identify issues early, and optimize energy output.



### Preventive & Corrective Maintenance:

Regular preventive maintenance schedules to minimize downtime and ensure timely corrective actions when required.



### Compliance & Safety:

Ensuring all systems are in compliance with safety standards, regulations, and manufacturer guidelines to prevent safety risks and extend system lifespan.

# COMPRESSED BIOGAS PLANT (CBG)

Compressed Biogas (CBG) is a clean, renewable fuel produced by anaerobic digestion of organic waste such as agricultural residue and animal manure. Enriched to over 95% methane content, CBG serves as a sustainable alternative to CNG and diesel, supporting reduced emissions and improved energy security. Sesola's CBG projects not only generate eco-friendly fuel but also produce valuable organic fertilizer, promoting a circular economy and rural development.

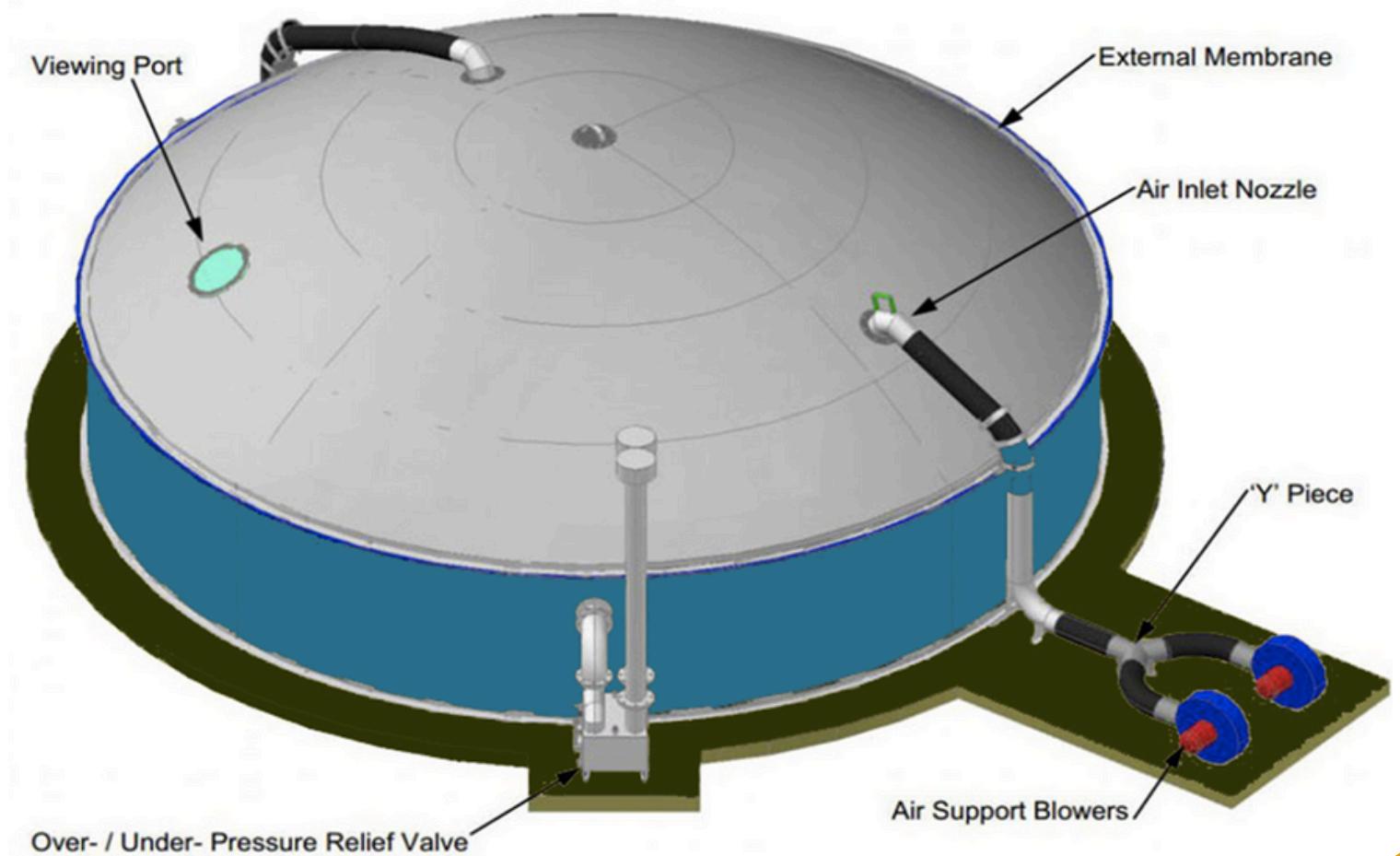


## **Technical Summary – Compressed Biogas (CBG) Plant:**

Sesola Power Projects has developed a modern Compressed Biogas (CBG) plant that converts agricultural waste like paddy straw and cow dung into clean, renewable fuel. Using anaerobic digestion, the plant produces biogas, which is purified using VPSA technology to achieve methane purity of up to 98%. The gas is then compressed and stored in high-pressure cylinders for use in vehicles, industries, and homes. Alongside fuel generation, the plant also produces organic solid and liquid fertilizers, promoting sustainability and circular economy. Fully automated and designed with robust safety and monitoring systems, the plant ensures efficient, eco-friendly operations.

### **Key Technical Highlights:**

- Feedstock: 80 MT/day paddy waste + 10 MT/day cow dung
- Biogas Output: 12,000 m<sup>3</sup>/day
- CBG Production: 5,000 kg/day (~18.25 lakh kg/year)
- Digester Capacity: 12,000 m<sup>3</sup> with double membrane gas holder
- Methane Purity: Up to 98% via VPSA technology
- Compression: Up to 200 bar for cylinder storage
- By-products: 6 tons/day solid & 15,000 liters/day liquid bio-fertilizer
- Automation: Fully automated system with safety controls
- Power Requirement: Approx. 600 kWh/day
- Applications: CBG for transport fuel, industry, and grid injection



# RECENT PROJECTS



## Floating Solar

At Sesola, 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

Sesola 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.

**72MW- Fourth Partner Energy**

Erection,Testing, Commissioning of complete 72MW Solar power plant Civil, D.C, A.C side  
Client: Self

**37MW- UBL Katol Taloja**

Client: Self

**2.5MW- Novus Green**

Client: Self

**2.5MW- Fourth Partner Energy**

Client: Pawan Industries

**4MW- L&T Limited**

Client: TSCCL

**1MW- Fourth Partner Energy**

Client: HUL Chiplun

**75MW- Fourth Partner Energy**

Supply, Erection, Testing, Commissioning of complete A.C ,D.C side works for 75MW Floating Solar power plant  
Client: Self

**1MW- Fourth Partner Energy**

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

**7MW- Virchow Petro-Bio**

Client: Self

**1.2MW- Shyam Metaics**

Client: Self

**23.75MW- Vibrant Energy Limited**

Client: Self

**105MW- Fourth Partner Energy**

Client: HUL Chiplun  
Ongoing Project

**24MW - TCS**

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

**7.2MW- Oberon Power Corp Pvt**

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

**1MW- Ananthapur, Andhra Pradesh**

Client: Self

**2.53MW- Vikram Solar**

Client: Self

**10MW- Fourth Partner Energy**

Client: Hyundai Motors

**39MW- CleanMax Enviro Energy**

Client: Self  
Ongoing Project

# RECENT PROJECT IMAGES



BABINA, UTTAR PRADESH (105 MW)

# RECENT PROJECT IMAGES



NAGPUR, MAHARASTRA (23.75 MW)

# RECENT PROJECT IMAGES



FLOATING SOLAR POWER PLANTS

# Why Sesola?

At Sesola, we combine innovation, expertise, and passion to deliver top-notch solar solutions. Our team uses a comprehensive suite of industry-leading software tools, including AutoCAD, SketchUp Pro, PVsyst, Helioscope, and ETAP, to design, model, simulate, and optimize solar power systems. These tools enable us to deliver precise, efficient, and sustainable solar energy solutions tailored to the unique needs of each client, ensuring maximum performance and reliability for every project.

## Softwares:





**Corporate Office (INDIA)**  
133/1/B, 1st Floor, Phase II,  
I.D.A. Cherlapally, Hyderabad,  
Telangana - 500051

**Registered Office (INDIA)**  
165, 1st main, 2nd Cross,  
ISRO Layout, Bangalore  
Karnataka - 560078

**Corporate Office (SINGAPORE)**  
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1 Pemimpin Drive  
Singapore 576151

**Corporate Office (DUBAI)**  
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Silicon Oasis, DSO Dubai,  
United Arab Emirates - 341907



SESOLA POWER PROJECTS PRIVATE LIMITED

# Thank You

For Your Attention



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