SKYNET SYSTEMS

BUSSINESS PROFILE

Introduction

Founded in 2007, Skynet Systems has been continuously delivering innovative solutions in the fields of IT, electronics, renewable energy, EV charging infrastructure, and advanced technology development. With a strong commitment to quality, innovation, and sustainable growth, the company has established itself as a trusted name in providing modern technological solutions that support the evolving needs of businesses and society. Through its expertise and forward-thinking approach, Skynet Systems continues to contribute toward a smarter, greener, and more connected future.

About us:

Our company is located in Lucknow,

254/1, New Jiamau Colony, Hazrat Ganj, Lucknow. (226001)

Our working sectors

IT and electronics	Renewable energy	Technology and innovation
Skynet Systems is a technology-driven company specializing in the fields of IT and electronics, dedicated to delivering innovative and reliable solutions since 2007.	Skynet Systems is actively contributing to the renewable energy sector by providing innovative and sustainable energy solutions.	Skynet Systems is committed to advancing technology and innovation through the development of modern, efficient, and future-ready solutions.

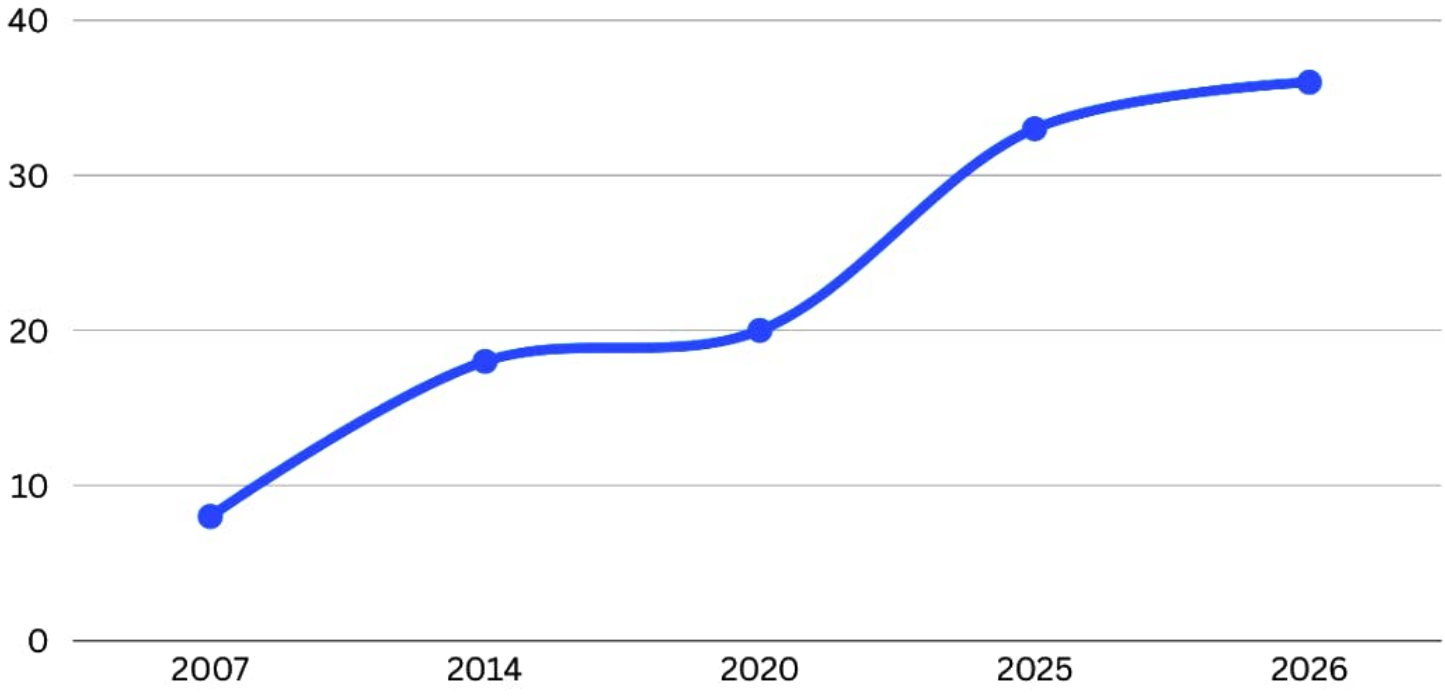
Our growth over the years

2007-2014: computer maintanence

2014-2020: Telecom (Networking)

2020-2025: Renewable Energy (PM suryaghar yojna)

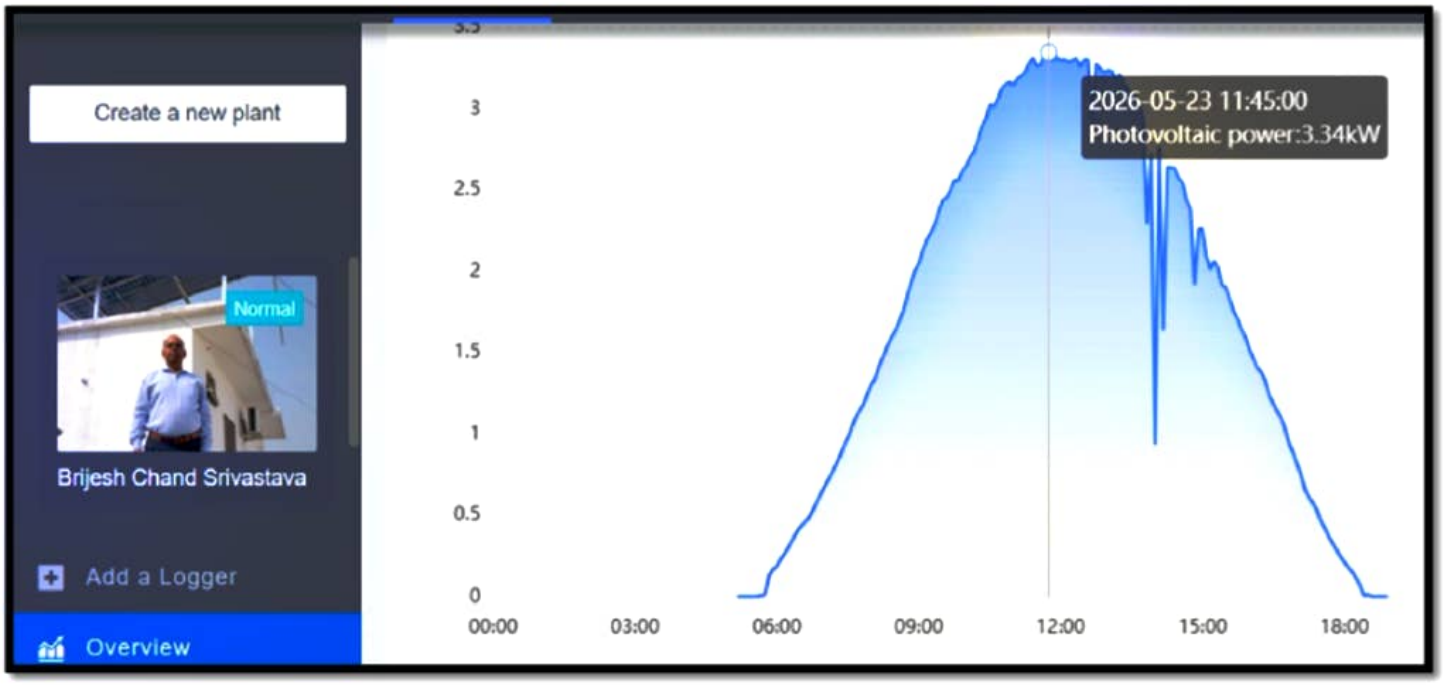
2026 onwards :PM E- DRIVE

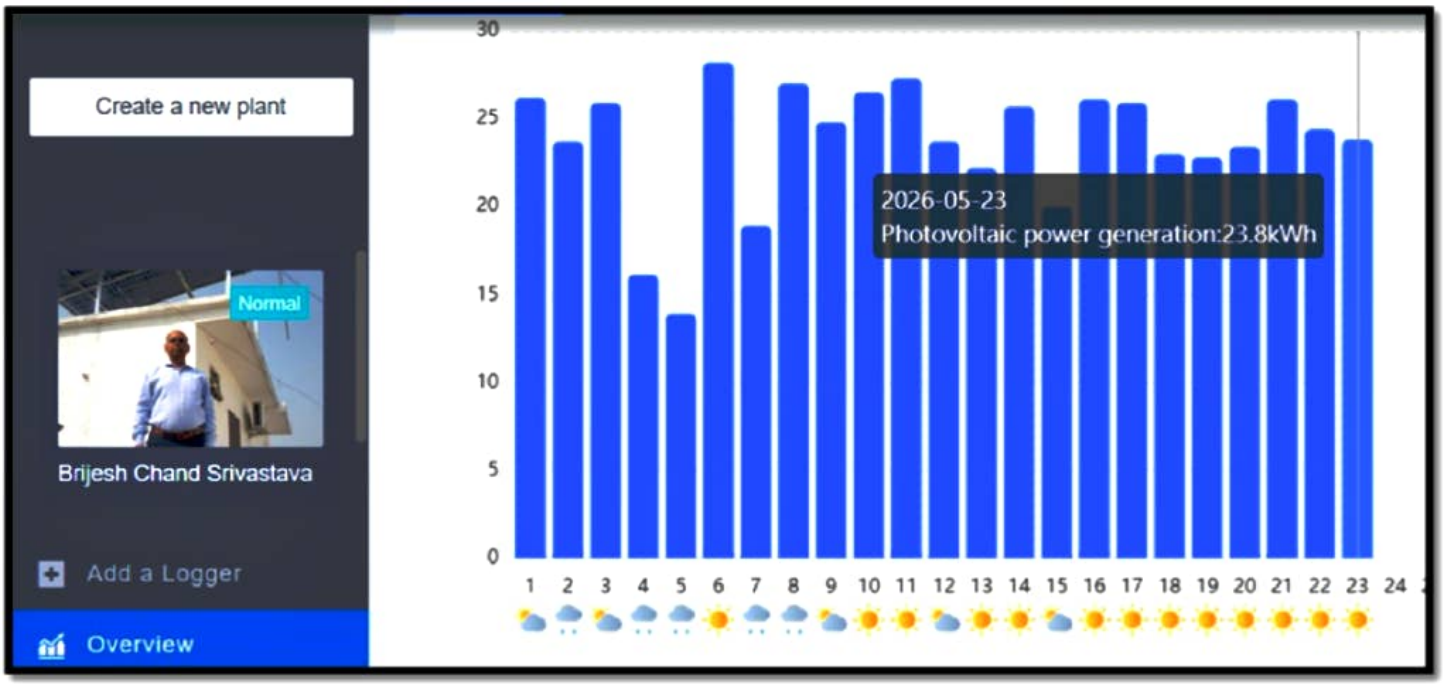


Energy Analysis

This graph shows energy production at our installed sites

Our client Mr.Brijesh Chand Srivastav

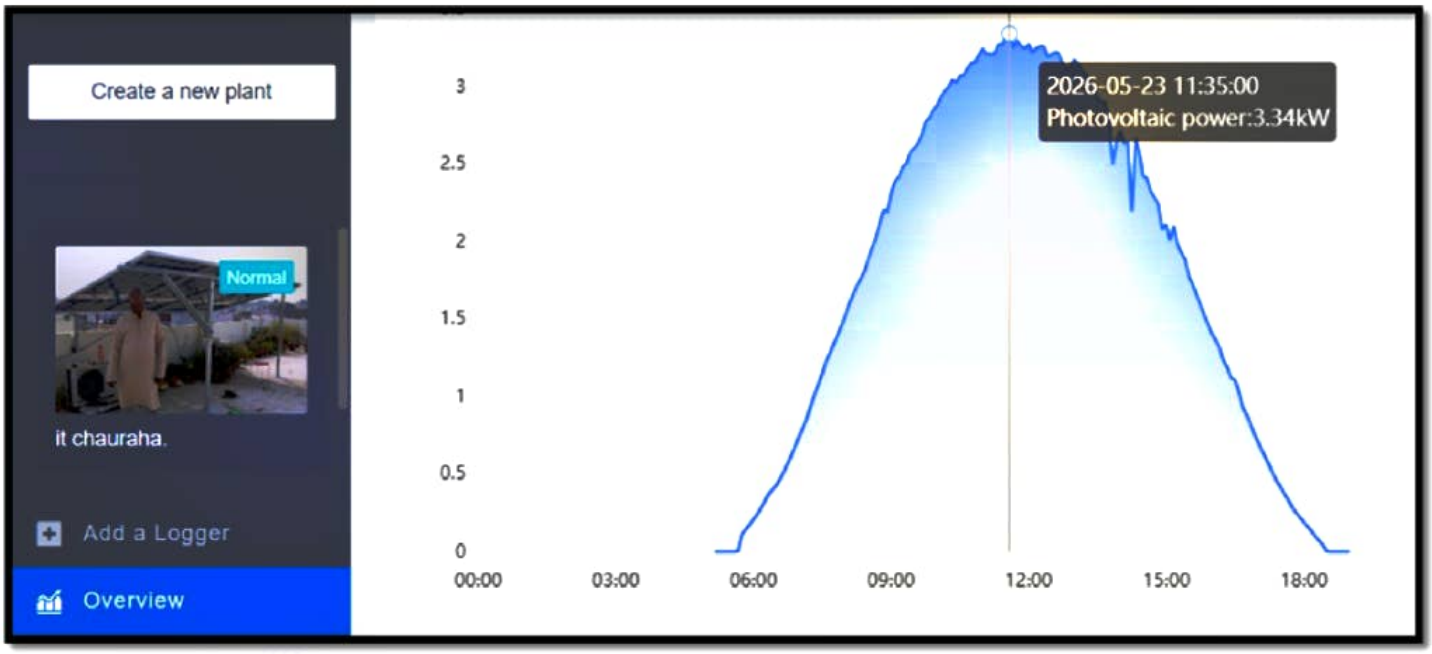


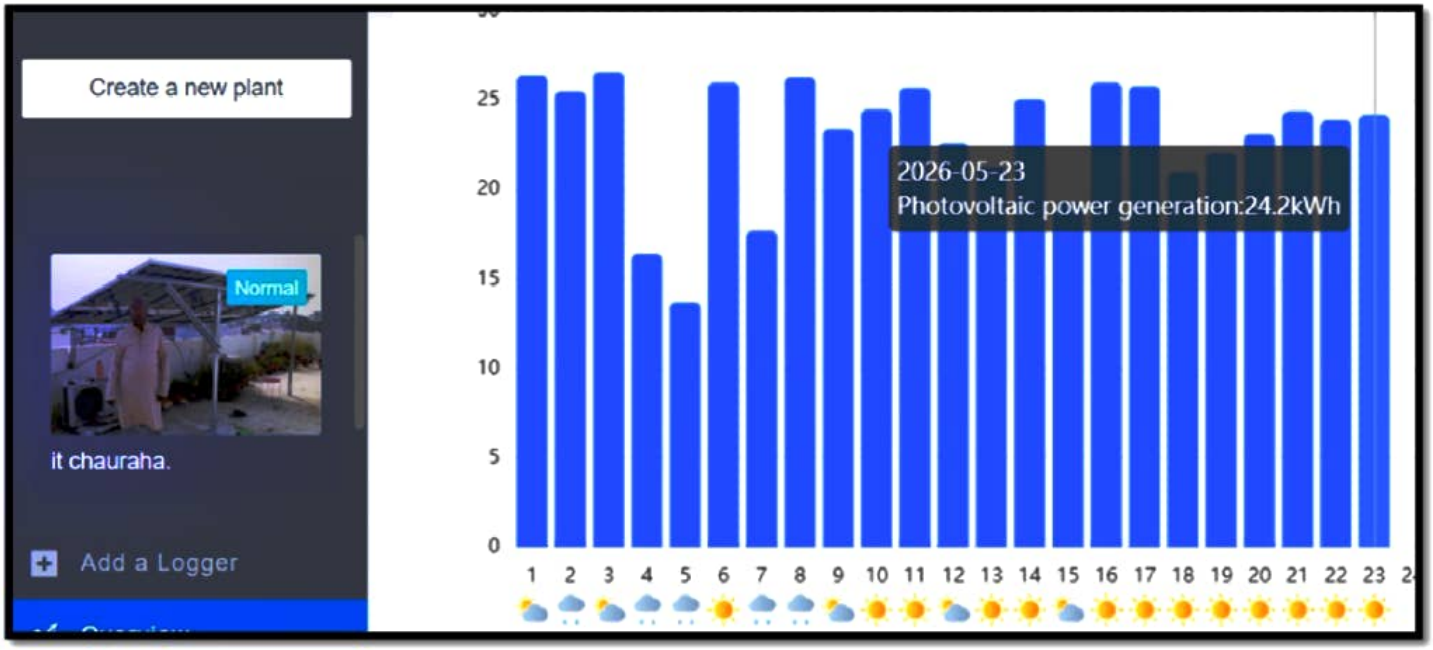


ENERGY PRODUCTION

At the residence of customer **Mr. Brijesh Chand Srivastav**, the solar energy system has shown positive performance over the last **30 running days**. The system has generated a total production of **1.34 MWh** of electricity, with an **anticipated financial yield of approximately INR 13.41K**. Additionally, the installation has contributed to environmental sustainability by preventing around **1.06 tons of CO_2 emissions**, demonstrating both economic and environmental benefits of the solar setup.

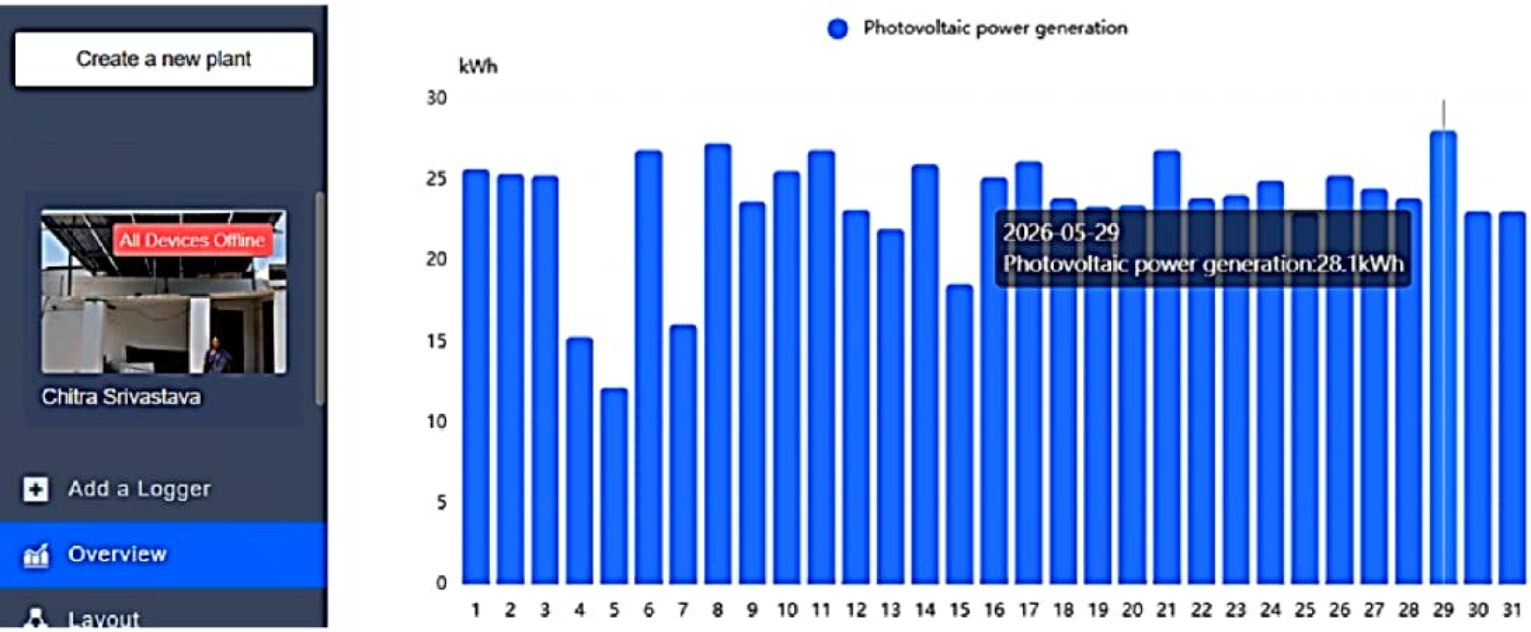
Total Production	Anticipated Yield	Running Days	CO_2 Prevention
7.35MWh	**73.53K INR**	**445**	**5.83 T**

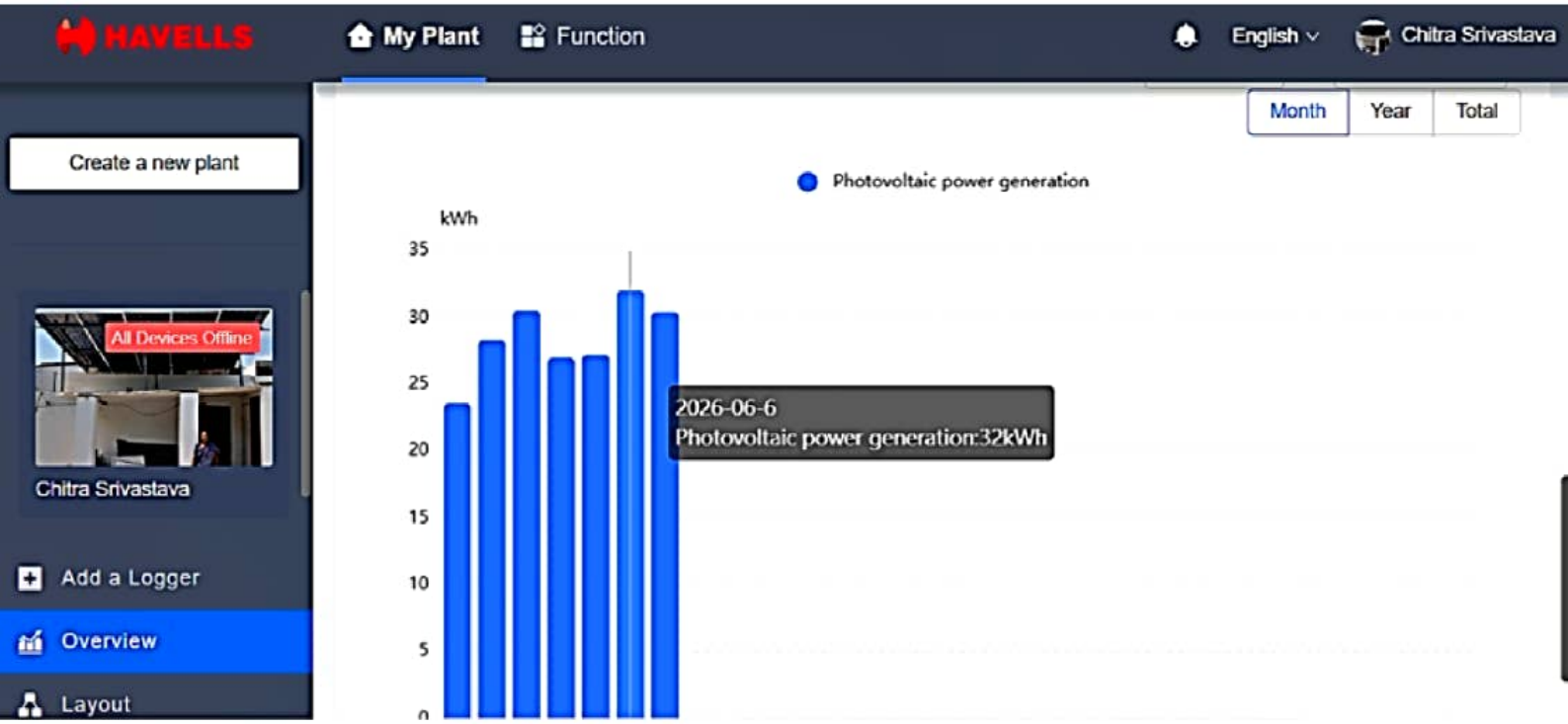




At the residence of customer **Mr. Ashok Kumar**, the solar energy system has delivered strong performance over **445 running days**. The system has achieved a total electricity production of **7.35 MWh**, generating an **anticipated financial yield of approximately INR 73.53K**. In addition, the installation has supported environmental sustainability by preventing around **5.83 tons of CO_2 emissions**, highlighting the long-term economic and environmental advantages of the solar power system.

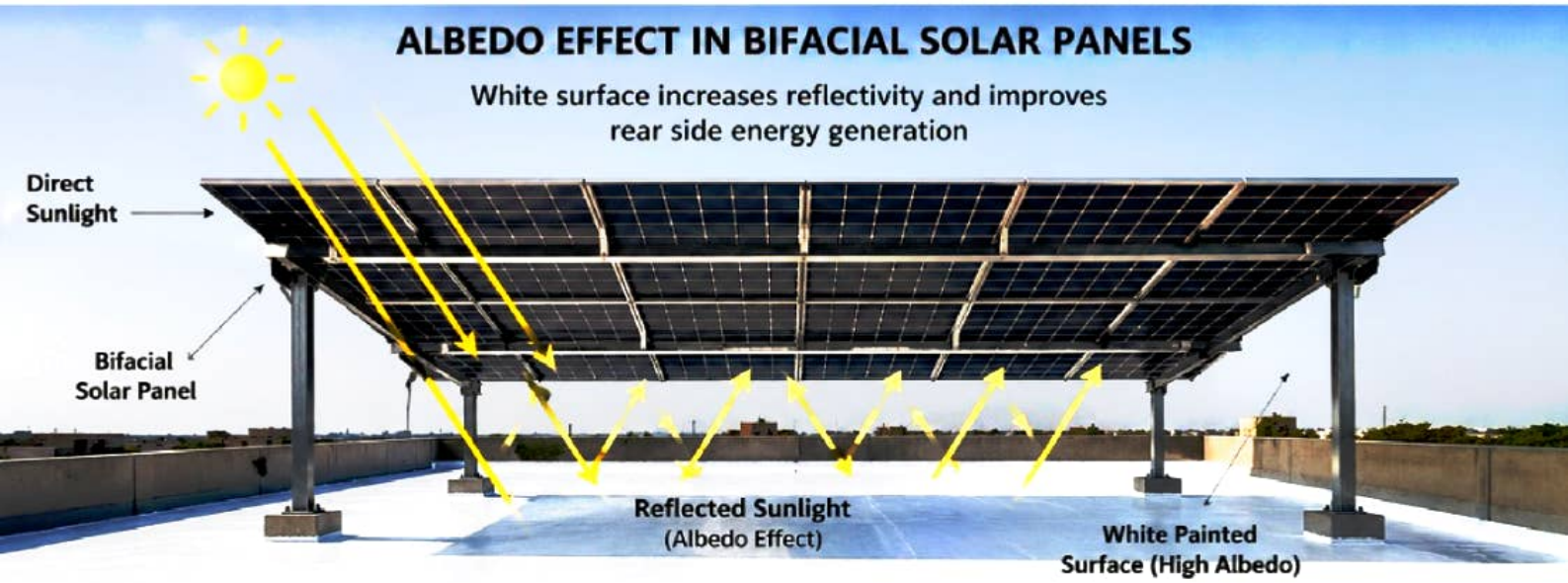
Technological breakthrough

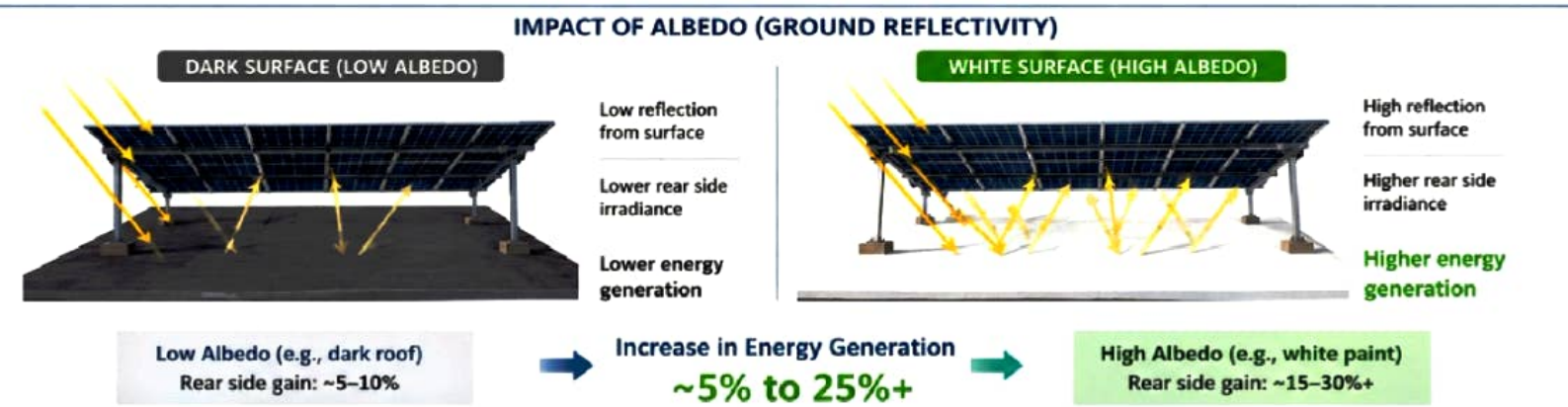


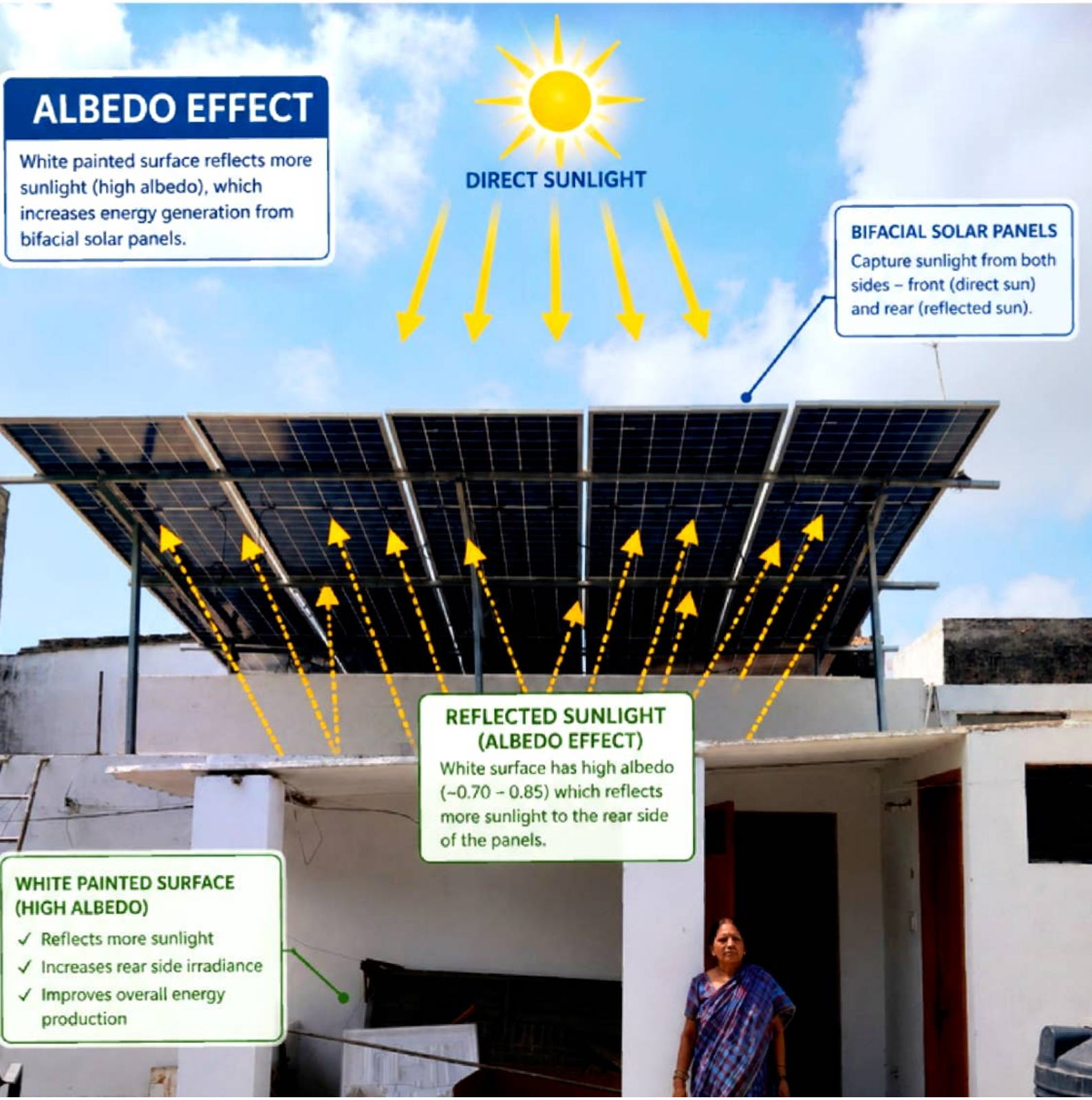


After applying white paint on the surface beneath the bifacial solar panels, a significant increase of approximately 4 kW in total energy generation was observed almost evey day . The white surface enhanced light reflection (albedo effect), allowing the rear side of the bifacial panels to capture more sunlight and improve overall system efficiency.

Albedo Effect






ALBEDO EFFECT
White painted surface reflects more sunlight (high albedo), which increases energy generation from bifacial solar panels.
DIRECT SUNLIGHT
BIFACIAL SOLAR PANELS
Capture sunlight from both sides – front (direct sun) and rear (reflected sun).
REFLECTED SUNLIGHT (ALBEDO EFFECT)
White surface has high albedo (~0.70 – 0.85) which reflects more sunlight to the rear side of the panels.
WHITE PAINTED SURFACE (HIGH ALBEDO)
✓ Reflects more sunlight
✓ Increases rear side irradiance
✓ Improves overall energy production

Our Work Experiences in

RAILWAY ELECTRIFICATION and Research Designs and Standards Organisation (RDSO)

Founded in 2007, Skynet Systems has significantly impacted the railway sector by specializing in railway electrification and support services for the Research Designs and Standards Organisation (RDSO). The company contributes to modernizing railway infrastructure through technical expertise and innovative electrical solutions in electrification projects.

IRCON International Limited.

Skynet Systems provides IT support and computer maintenance for IRCON International Limited, ensuring efficient operations by maintaining systems and network infrastructure. Their reliable support enhances operational efficiency and digital reliability in railway-related projects.

NEC Corporation India Pvt Ltd.

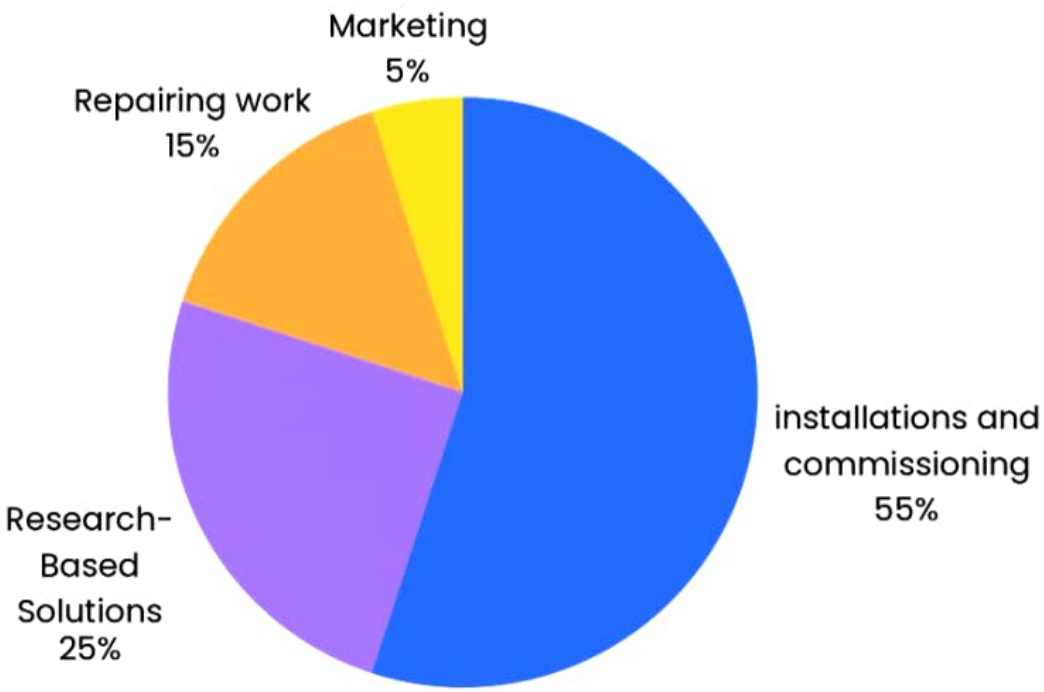
Skynet Systems has partnered with NEC Corporation India Pvt. Ltd. for microwave installation and commissioning services. They have assisted in deploying advanced communication systems by installing, testing, and aligning microwave equipment. Their skilled workforce and focus on quality have contributed to building reliable telecom infrastructure, ensuring efficient connectivity and operational performance.

Achievements

- Completed projects
- Years of experience
- Customer satisfaction
- Industry recognition

Future Goals

- Renewable energy projects
- Smart infrastructure
- EV charging network expansion
- Technology innovation



WHY Choose Us?

Our strengths

- Experienced technical team
- Quality assurance
- Timely project execution
- Reliable service support
- Innovative solutions
- Safety standards

Team & Expertise

- Skilled workforce
- Engineers & technicians
- Technical support team

Infrastructure & Equipment

- **Tools & machinery**
- **Technical equipment**
- **Service facilities**
- **Testing instruments**

“Driven by Technology,
Powered by Trust”

Services Offered:

- ☐ IT & Networking
- ☐ Electronics Services
- ☐ Renewable Energy Solutions
- ☐ EV Charging Station Installation
- ☐ Railway Electrification
- ☐ Microwave Installation & Commissioning
- ☐ Computer Maintenance Services
- ☐ Infrastructure & Technical Support

Industries Served

- Indian Railways
- Telecommunications
- Renewable Energy
- Government Projects
- Infrastructure
- Industrial Sector

Major Projects & Experience

1. Research Designs and Standards Organisation (RDSO)
2. IRCON International Limited
3. NEC Corporation India Pvt. Ltd.
4. Ministry of Environment and Forests.
5. Pradhan Mantri Surya Ghar Muft Bijli Yojana
6. PM Electric-Drive Revolution

SKYNET

SYSTEMS

Thank you

"Your Trusted Partner in Technology & Renewable Energy"