



## This journey of a thousand miles...

RenewSys India completed a decade of service recently. A journey spent promoting the adoption of solar power, and making high-quality, reliable PV material available to all.

**Fired by a passion to innovate**, a leadership dedicated to serve, and a team eager to learn, we embraced the solar polymer industry first, followed by PV Modules and PV Cells.

From setting up our first factory in **Bengaluru (2011)** to the factory in **Hyderabad (2015)** and now **Patalganga (2021)**,

our team has been growing steadily; as have our research and development initiatives.

**Nearly 1000 customers**, across 40+ countries, have enabled RenewSys to touch thousands of lives globally, making them partners in this odyssey, as we continue to champion a switch to solar power.

As our footprint grows, we pledge to continue to give our best as India's leading integrated manufacturer of Solar Modules, Encapsulants (EVA & POE), Backsheets, and PV Cells.

## Our journey over a decade



### 2011

Foundation

### 2013

Backsheet production begins: 1.8 GW

### 2012

EVA Encapsulant production: 600 MW

### 2014

- Expansion of Encapsulant line: 1.2 GW
- Exports begin

### 2015

New division of Cell & Module manufacturing with state-of-the-art technology

### 2016

Manufacturing of PV Cells begin: 130 MW

### 2018

- Expansion of Backsheet line: 3 GW
- Launch of Black & Transparent Backsheets
- CONSERV E 360 POE Encapsulant - Finalist at InterSolar Awards
- Module manufacturing line expansion: 750 MW
- Launch of DESERV Extreme: India's most efficient module (bi-facial)

### 2017

- RenewSys launches POE Encapsulant, India's proven & UL certified POE
- Launch of India's first 5 BB Cells

### 2019

- Encapsulant line expansion (EVA & POE): 1.4 GW
- India's first Backsheet patent for a specialised Backsheet
- Launch of India's first 6 BB PV cells
- Innovation - Launch of BIPV, Semi-rigid, & Flexible modules
- Intertek Empanelled Customer Testing Facility established at Hyderabad
- NABL Accredited Lab & testing facility specifically for Encapsulants, Backsheets & their raw materials established at Bengaluru

### 2020

- Encapsulant line expansion: 2 GW
- Backsheet line expansion: 3 GW
- Launch of DESERV Galactic Ultra HI & HV

### 2021

- Encapsulant line expansion: 3 GW
- Backsheet line expansion: 4 GW
- Encapsulant & Backsheet shipments cross 15 GW
- Launch of CONSERV P - U+, a thermo-proficient EVA Encapsulant
- 1 GW+ of PV Modules shipped
- Launch of DESERV SGalactic & Extreme modules with 500+ Wp output
- New manufacturing facility at Patalganga

**RenewSys**  
is continually developing cutting edge solar products to compete with technological advances worldwide. Our focus on quality, reliable PV products, is unwavering."

Avinash Hiranandani,  
Global CEO & Managing Director





## The journey till now



### Bengaluru

Entering the established world of solar polymers was a challenge when the RenewSys Bengaluru factory first opened up. Armed with a keen focus and expertise in packaging polymer tech, the team set out to carve a space for itself in this innovation driven industry. Today we have a production capacity of 3 GW of Encapsulants and 4 GW of Backsheets, with over 200+ Customers, and having shipped over 15 GW of material worldwide, we have also received recognition in competitive, mature markets like Europe for the quality of our material and formulations.

Our Bengaluru facility also has to its credit several of India's first including - UL Certified POE, Transparent Backsheet, only Backsheet patent, NABL Lab for testing PV Encapsulants, PV Backsheets and their materials, etc.

### NEW CONSERV U+ EVA Encapsulant

RenewSys has launched CONSERV - U+, a Thermo-Proficient Encapsulant with a curing time that is 2-3 minutes less per module manufacturing cycle. This is **faster than the fastest encapsulants** available in the market. This breakthrough formulation is backed by the CONSERV range's legacy, quality, and durability. Unlike other encapsulants with similar features, it has a

**wide processing window eliminating all past process-related issues**

Due to this U+ delivers incremental productivity by 10-20% within the existing capacity set up. This product has been rigorously tested for 3X IEC DHT studies and is **designed to suit all laminating machines, module sizes, and configurations.**

### NEW High-efficiency Solar PV Modules 540+ Wp

RenewSys launched the DESERV SGALACTIC Series and EXTREME Series of high-efficiency Solar PV Modules with outputs of 540+ Wp. The range consists of three variants - 156, 144, and 120 Cells. **Processed on state-of-the-art technology production lines**, these modules are made using the highest quality raw material coupled with

rigorous in-house testing, which makes them highly reliable. They are designed and engineered to provide high output, at a lower voltage that ensures

**increased power per string by up to 20%!**

This assures savings on the BOS, making it the ideal choice for rooftop and utility-scale solar power plants.

### Hyderabad

When RenewSys first entered PV module manufacturing, the Indian industry was in a state of constant flux. The prohibitive investment cost, team training needs and the overall complexity of the industry dynamics, like raw material procurement, setting up R&D facilities, made entering the industry and sustaining growth a challenge. We became the first integrated Indian manufacturer of Solar PV Modules. RenewSys Hyderabad has come a long way despite the challenges and flourished!

**Known globally for its commitment to R&D, extended reliability testing and manufacturing top quality PV modules,**

it has become an industry leader raising the bar for PV module performance. It has to its credit India's first 500 Wp module, first Glass - Backsheet, Bi-Facial module, largest in-house reliability testing centre, a dedicated team and space for new product development, etc. Home to a PV Cell facility, RenewSys was the first Indian manufacturer to launch 5BB and 6 BB PV cells. With several white papers and research



documents being continually submitted furthering research in polysilicon cell manufacturing. RenewSys Hyderabad continues to raise the bar for PV module manufacturing and performance and works closely with our team of PV polymer specialists to further enhance module performance.

**Highest MW dispatches in a day! RenewSys achieved this on Aug. 18, 2021 with 54 trucks & team effort.**



### Patalganga

2021 saw RenewSys set up another state-of-the-art PV module manufacturing line. This 1 GW facility has been envisioned keeping in mind the rapid growth and adoption of solar power in western India with impetus from the local and central governments.

Located close to Mumbai, and just 2 hours from the JNPT port, this facility will manufacture high output, multi - bus bar modules, while strengthening our customer service capabilities.

## Snippets from RenewSys

### Chemical Disaster Prevention Day



Team RenewSys, at our Bengaluru and Hyderabad facilities celebrated National Chemical Disaster Prevention Day on December 4, 2021.

### Sapling plantation



By Rekha Bagry-Nair, Non-Executive Independent Director, RenewSys, at RenewSys Patalganga

### RenewSys wins!



Renewsys India Pvt. Ltd. - winner of the Leading Mid-Corporates of India 2021 in Renewable Energy category at the Business Enterprises of Tomorrow 2021 Awards by Dun & Bradstreet.



Mr. Nandkumar Pai, CEO-PV Cells & Modules, RenewSys, recognised as one of the 100 Most Powerful & Influential Business Leaders of 2021.

# Memories from our 10 year journey



2016: RenewSys at InterSolar Munich



2018: Launch of LVPEI, special needs vision clinic



2020: Launch of SAP

**2022: RenewSys commissions an additional Encapsulant line, considers further expansion to reach 11 GW**



2017: RenewSys Hyderabad facility certified as ISO 9001: 2015 & OHSAS 18001: 2007



2021: The dispatch of 1 GW+ of PV Module shipments from our Hyderabad Facility



2018: CONSERV E 360 POE was recognized as a finalist at the prestigious InterSolar Awards



2020: Disinfection of incoming vehicles during COVID-19



2017: RenewSys in partnership with Mission for Vision launched the first vision centre at Simga

**2022: RenewSys DCR Solar PV Modules are KSEB approved**



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