



YOUR RELIABLE  
PARTNER FOR  
SOLAR ENERGY  
SINCE 1992

**EMMVEE PHOTOVOLTAIC POWER PRIVATE LIMITED**  
**EMMVEE SOLAR SYSTEMS PRIVATE LIMITED**  
(An ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company)

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**HARNESSING A REVOLUTION  
IN SOLAR ENGINEERING**





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Emmvee is an intelligent solar solutions producer born from an idea to implement green energy to better use. Our solar products are an amalgamation of cutting-edge technology and smart innovation for sustainable living.

We aim at providing universally designed products to support all kinds of contemporary and lavish living. Amidst our industrial product range, Solar Water Heating Systems and Photovoltaics have been our strongest since inception in 1992. We have kept our priorities right, which is focused on our quality and service dedicated to our customers. With a premium positioning in PV modules, our quality of the offering, timeliness of execution, customised approach and smart engineering is what makes us different in the solution space.



In the 1990's, the frequent power outages made our lives miserable. Since then, I dreamed of starting up a business that would eradicate this problem. My inspiration behind the foundation of Emmvee bloomed from this idea. Very soon, Emmvee was inaugurated as a manufacturing industry, inspired to find a solution to the power problems with an eco-friendly and greener approach. It also enabled my motive of employing as many people as possible.

Since Emmvee's inception in 1992, the company has developed and innovated various expertise in Solar Water Heating Systems and Photovoltaic Modules. With our 900 employees and various suppliers placed in locations across the world, Emmvee can stand out through excellent customer service. The accessible support team at Emmvee assists the customers and offer solutions to all queries.

“ I believe, Emmvee stands for Reliability, Quality, Transparency and Customer-centrism. My mantra of success is to endlessly put efforts into hard work and never give up! Our brand's legacy will be engraved with quality and trust. At the end of the day, I aspire to continuously provide my consumers with a comfortable life with my products and services. ”

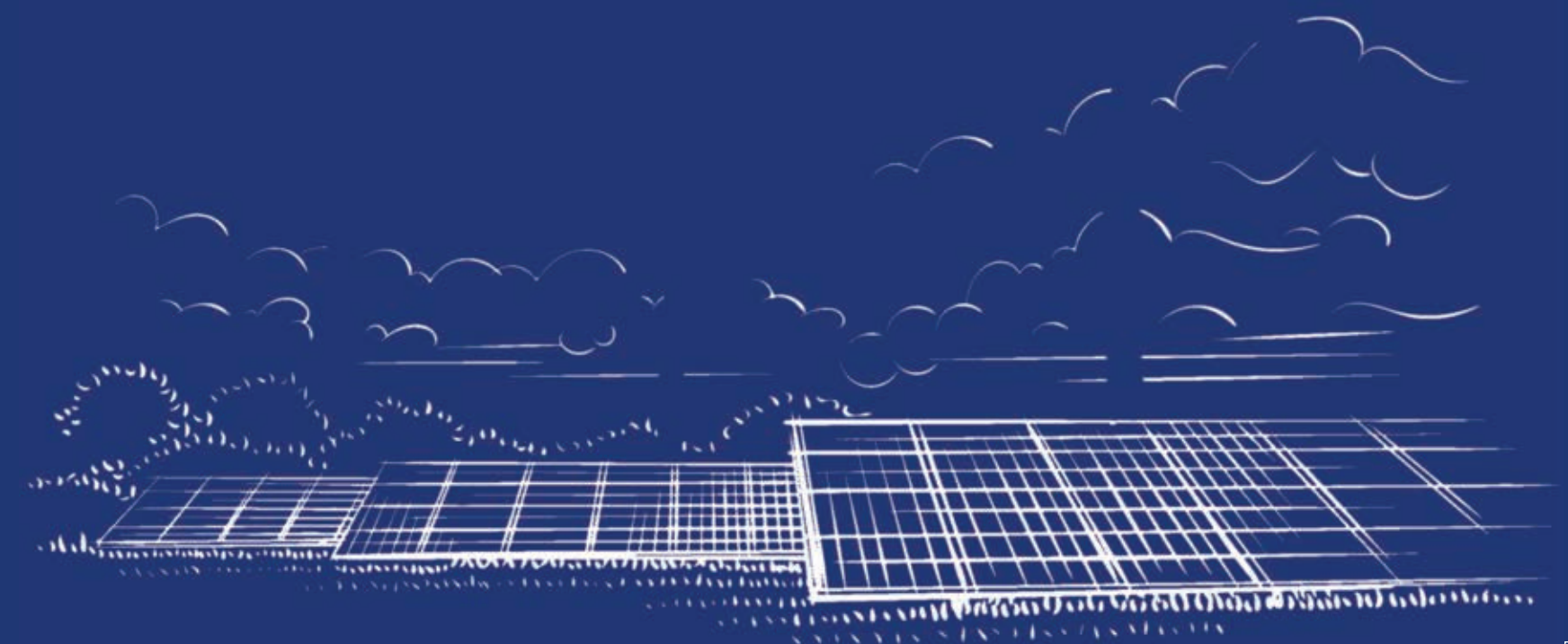
## MODUS OPERANDI - GREENER ACCRETION

Our initiative towards the accretion of a Greener Environment started with us engaging in Solar Power and gradually progressed towards the welfare of the environment. The concept rose like a dream and travelled towards a global revolution in actualising an environment that is safer for everyone.

Solar Power harnesses abundant energy from the sun and it comes with the promise of sourcing sustainable energy for consumers that is free from greenhouse gas emissions and other pollutants. Installing solar panels or switching to solar water heating systems in your home helps combat

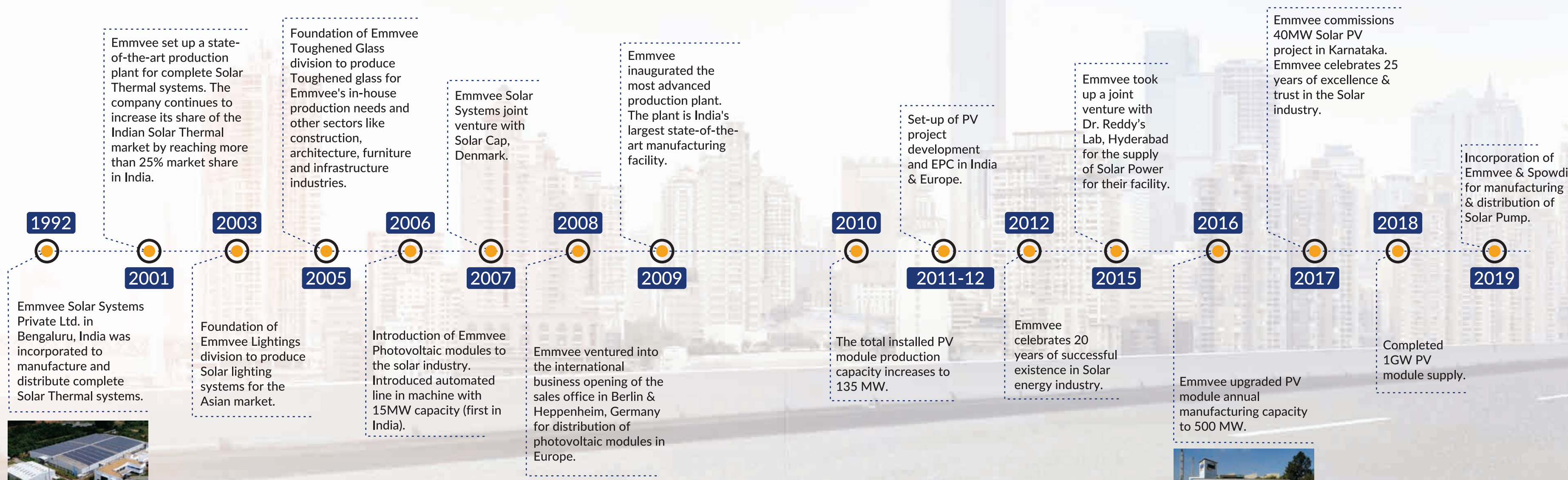
greenhouse gas emissions, global warming and reduces our collective dependence on fossil fuel.

At Emmvee, we thrive towards a qualitative and quantitative optimisation in providing our clients with a sustainable and wide-range of solar power solutions. The solutions are created with a distinct approach towards each customer and the environment. We have enabled unceasing product improvement and customer dialogues with a desire to create solar power generation with reliable and powerful solutions for every need.





# TIMELINE





# AWARDS



Mr. D.V. Manjunatha was awarded with a **National Award in 2007** by Smt. Pratibha Devi Singh Patil, the then President of India at Vigyan Bhavan in New Delhi

Mr. D. V. Manjunatha, Founder and MD, received **"Best Performing SME 2010"** – in the category of "Power and Telecommunications Space" by CNBC-TV18's Emerging India Awards 2010



Emmvee won Leading **"RE Manufacturers-Solar"** in September 2016  
 Emmvee was awarded **"Business Leader - 2008"** by the Solar Energy Society of India  
 We received an award for our **"Outstanding contribution for the promotion of Indo-German Economic Relations 2009"**  
 The Federation of Karnataka Chamber of Commerce & Industry awarded us with **"Best Manufacturer & Exporter Award 2011"**  
 We received an award for **"Outstanding Export Performance Economic Relations 2011"**

Emmvee received an award for **"Best Solar PV Module Manufacturer and Solar Power Developer-2014"** from CBIP (Central Board of Irrigation and Power)

We received **"Sourya Urja Bhushan"** in recognition of outstanding contribution to Solar Sector in India  
 SOFT DISK India's premier magazine and oldest publishers for IT and Electronics Industry awarded us with -  
 1) **No.2 in Grid sharing Solar PV Power Solution Provider of the Year 2015-2016**  
 2) **Solar PV Module Manufacturer of the Year 2015 -2016**

Emmvee - Winner of **"Consumer Choice Awards 2017"** for Emmvee Solar PV Module  
 Winner of **"Solar Consumer Choice Brand Award"** in the year 2018  
 Managing director D.V Manjunatha received the **"Business Leadership Excellence Award"** by Suryacon in 2019  
 Emmvee was awarded as the **"Solar Module Company Of The Year 2019"** at Suryacon





## MISSION

- To exceed expectations and deliver a touchstone in customer experience and attain primal customer satisfaction across domains
- To provide consistency, secure execution and installation of our projects every time
- To endorse new-age technology, keep up to its speed and stay motivated to innovate
- To always emphasise in incorporating values and care for our environment, community, customers and our stakeholders / employees
- To assist our employees in achieving their full potential and deliver the best of products and services
- To strive for constant improvement in the quality of our products & services and ensure market satisfaction, globally

## VISION

Our vision is to make every individual and organisation, energy independent by providing highly qualitative, innovative, cost-effective premium solar products and solutions that provide clean, reliable and sustainable energy around the world.



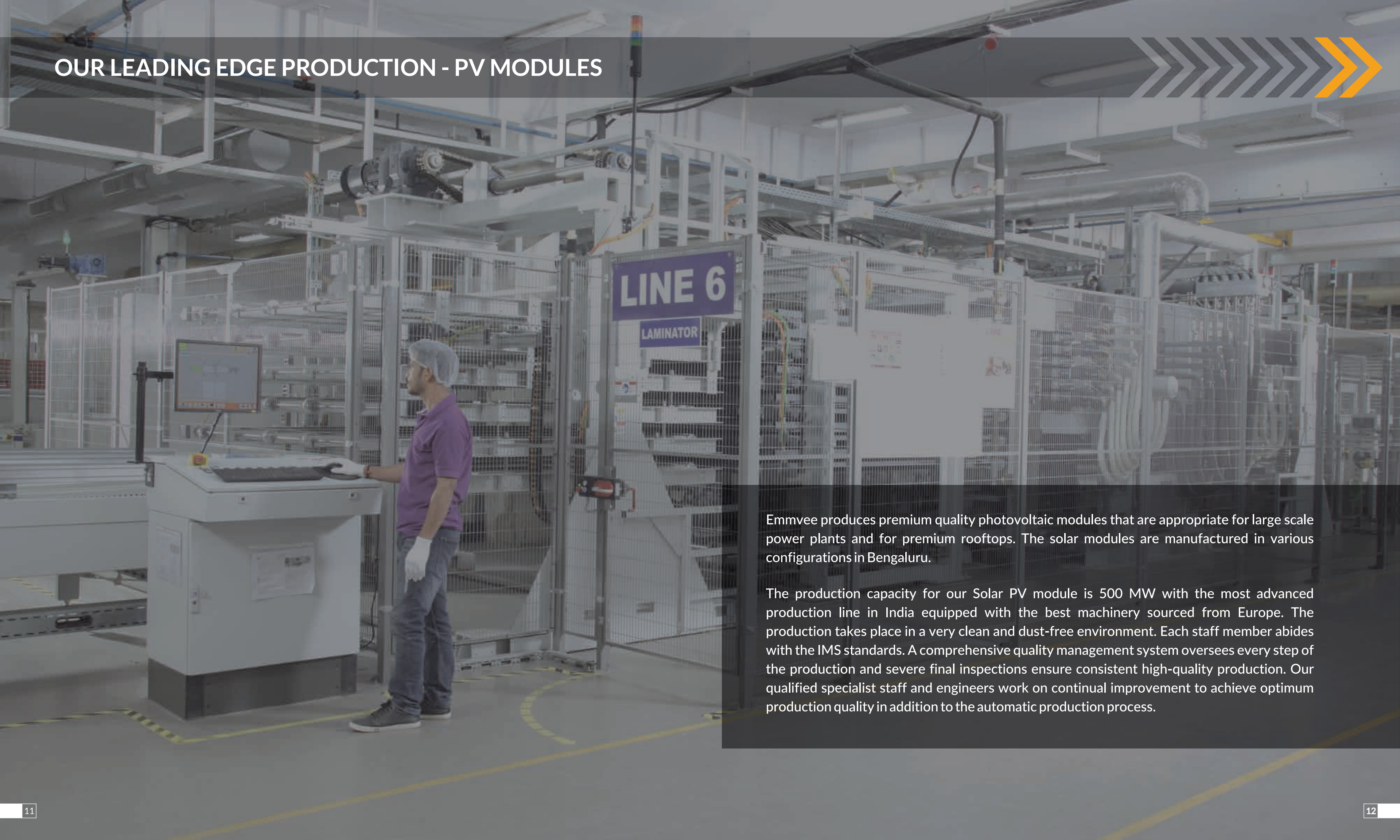
## VALUES

Trust and Quality are Emmvee's core values - the entire team endeavours to deliver what is promised to reach total customer satisfaction. By continuously upgrading our products using advanced technology and manufacturing facilities, we strive to pass on the benefits to our customers. Being a customer-centric brand, we believe that what comes from the people has to be given back to the people many times over.

We conduct our business fairly, with honesty and transparency. Our intention is to achieve the highest possible standards in our day-to-day work and in the quality of the goods and services we provide.



## OUR LEADING EDGE PRODUCTION - PV MODULES



Emmvee produces premium quality photovoltaic modules that are appropriate for large scale power plants and for premium rooftops. The solar modules are manufactured in various configurations in Bengaluru.

The production capacity for our Solar PV module is 500 MW with the most advanced production line in India equipped with the best machinery sourced from Europe. The production takes place in a very clean and dust-free environment. Each staff member abides with the IMS standards. A comprehensive quality management system oversees every step of the production and severe final inspections ensure consistent high-quality production. Our qualified specialist staff and engineers work on continual improvement to achieve optimum production quality in addition to the automatic production process.



# EMMVEE PHOTOVOLTAIC MODULE

## QUALITY MANAGEMENT

Emmvee provides a long term performance warranty for all photovoltaic modules. The components used in solar photovoltaic modules are subjected to multiple tests to ensure stability and long - life performance. All Emmvee products are TUV Rheinland tested and certified.



## PROJECT DEVELOPMENT AND EPC

The services offered by Emmvee are in continuous expansion. With its vast experience in the field of solar energy as a solar PV module manufacturer, Emmvee has completed several MW scale Solar PV projects thus qualify as a prominent player in the field of Project Development and EPC (Engineering, Procurement and Construction) in India and Europe.

## CONSULTATION, PLANNING AND DEVELOPMENT

Emmvee is a competent partner, experienced in planning and development of solar power systems in India and Europe. Our expert engineers ensure the best quality standards through attentive project development. Project development by Emmvee includes the complete management of the project ensuring smooth and timely execution of the projects.

## EPC (ENGINEERING, PROCUREMENT AND CONSTRUCTION): TURNKEY SOLUTION PROVIDER

Emmvee provides an in-house design and construction service for building solar power plants. Our range of services include technical planning of the system, selection of the best components and professional installation - everything under one roof. We monitor the implementation of PV projects, coordinate all construction phases and control the quality of installation. The co-ordination of deadlines provide timely grid connections of large-scale PV power plant.



## OPERATION AND MAINTENANCE

Emmvee's operation and maintenance team closely monitors the PV system with periodic inspection of the plant and continuous monitoring of the electricity output and plant performance. The highest performance will be guaranteed and the Solar plants will have a stable and growing generation throughout their lifetime.





# PV MODULES PORTFOLIO & BENEFITS



AC Module



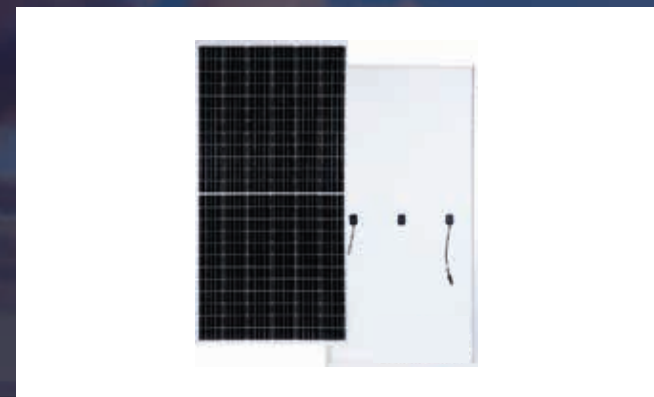
Mono Perc



Poly Crystalline



Bi-facial



Half Cut Cell Module

## PV Modules Benefits:

On-grid as well as off-grid applications | Higher efficiency | Positive tolerance offer |  
 Variety range (up to 400WP) | Excellent current distribution performance reduces power loss  
 | Resistance against salt, mist, ammonia, dust and hail | PID free |  
 Excellent performance under weak light condition

WE HAVE BEEN CERTIFIED FOR OUR LEGITIMACY AND QUALITY PRODUCTION  
 BY THE FOLLOWING PRESTIGIOUS ORGANISATIONS





## OUR LEADING EDGE PRODUCTION UNIT - SOLAR WATER HEATERS



Emmvee Solar Systems Pvt Ltd. is the largest manufacturer of Solar Water Heating System in India. The state-of-the-art manufacturing facilities at Dabaspet, Karnataka, India, has a production area of 25,000 square metres. The ecological masterpieces that feature sophisticated processes, environment-friendly materials and an exceptional energy concept have been ensuring sustainable production all these years. Emmvee's solar water heater production range meets a diverse need of the consumers. We also provide expertise in hot water solution to villas, houses, residential apartments, hospitals, hotels, commercial buildings etc. from time to time.



# SOLAR WATER HEATER PORTFOLIO - SOLARIZER

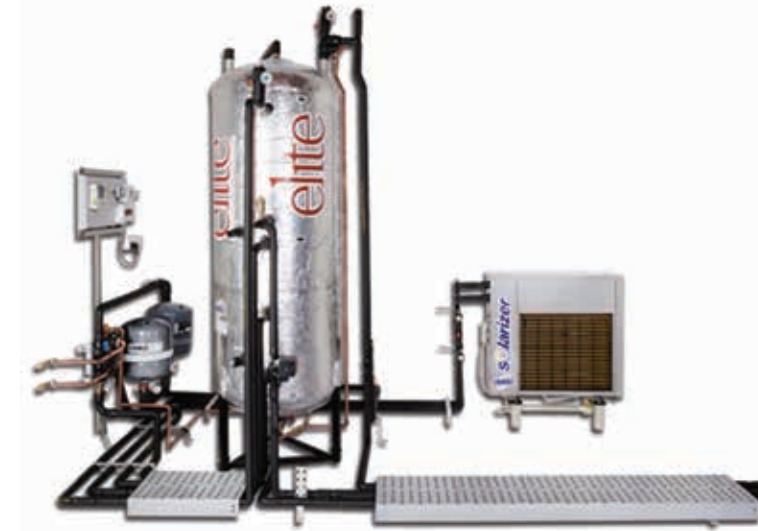
Emmvee pioneered in the journey of manufacturing solar water heaters which now has escalated to an elevation of a premium brand positioning in the market of solar energy in India. Emmvee Solar Systems Pvt Ltd. is an ISO 9001-2015, ISO 14001-2015 certified company that was established in the year 1992 in Bengaluru, India and is a manufacturer of solar thermal products such as solar water heaters widely known as "Solarizer".



**SOLARIZER VALUE**  
Affordable pricing



**SOLARIZER ULTRA**  
Good riddance to hard water problems



**SOLARIZER ELITE HYBRID**  
Provides bulk hot water 24/7



**SOLARIZER HEAT PUMP**  
Hot water on cloudy days as well



**SOLARIZER SPRING**  
Hygienic hot water at all times



**SOLARIZER ELITE**  
International quality standards



**SOLARIZER ANYWHERE**  
Aesthetically sound and functional design



**INTEGRATED HEAT PUMP**  
Perfect for indoor spaces

**Benefits:**

One time investment | Environmentally sound | No worries of corrosion or leaks | Extremely hygienic & safe | Efficient heating performance | Low electricity bills | International quality standards | Quick after-sales service | Highest aesthetic considerations | Durability assured







# LANDMARK PROJECTS MAKING INDIA AND THE WORLD PROUD!

*Implementing a sustainable growth with our  
turnkey solar project development & EPC  
solutions across the globe!*



Kunigal, Karnataka - 10MW



Bidar, Karnataka - 10MW



Bronkow, Germany - 11.4MW



Wolfshain, Germany - 5MW

*Bagepalli, Karnataka - 20MW*

*All Pictures Shot On Site*

**SOLAR POWER - THE ARROW OF GROWTH,  
POWERED BY EMMVEE!**



# emmvee spowdi®

An efficient Solar Powered Water Distribution Pump designed to save energy, foster independence and redefine innovation for a greener tomorrow.

## BENEFITS

- **Durable Design:**  
No harm caused while pumping dirty water with gravel & mud
- **Easy Maintenance:**  
It requires less maintenance compared to traditional pumps
- **Portable:**  
Extremely lightweight and can be carried around easily
- **Drip Irrigation:**  
Specially designed to facilitate drip irrigation in farms
- **Efficient:**  
Capable of pumping up to 20,000 litres every day
- **Flexible:**  
Runs on solar power & has battery backup to ensure continuous pumping





# POWER HUB

The Power Hub is a smart-generation, innovative, modular solar energy controlling system and an optimal power storage solution unit *designed in Germany*. It is expandable and helps monitor and control energy consumption as per unit production.

## FEATURES

- **Glass door:**  
Ensures full visibility for easy operations of the system
- **Scalable:**  
Easy addition of extra units to expand energy storage
- **Foolproof:**  
A completely safe system that operates on low voltage as well
- **Longevity:**  
Intelligent controller to protect system's life and performance
- **Smart System:**  
Communicates full status of the system to your smartphone
- **Outdoor application:**  
Rugged outer cabinet for both indoor and outdoor application







Emmvee Foundation reaches out to underserved communities as part of our responsibility to our society. We are involved in a wide miscellany of CSR activities where we work together for the development of education, healthcare, environment etc. We address several social, economic and environmental issues as we contribute to the improvement of the standard of living, access to healthcare, education and contributing to the global development.

Recently, Emmvee Foundation has donated a Mobile eye clinic bus that is fully air-conditioned to 'Bangalore Nethralaya'. It is a bus with full eye testing and diagnosing set-up. The bus has a seating capacity for about 6 crew members including doctors and technicians. Completely automated, and fit with all the equipments used in any ophthalmic clinic, this mobile eye clinic conducts eye camps at various locations in rural areas and also distributes prescription glasses instantly.



In an attempt to bring hope in the lives of blind children, who aspire to move forward through education, Emmvee Solar group presented new notebooks for the entire blind school. This noble school is managed by the Mathru Educational Trust For The Blind in Yelahanka, Bangalore. The notebooks were made in Braille format which enables easy recognition and understanding for the blind students.

We at Emmvee, strongly believe the nation's tomorrow lies in the hands of today's students. Shaping these young minds in a caring and nurturing manner is an essential part of building a strong nation. A wholesome education with value-based teaching should be provided for it has a direct impact on our society. But this cannot be achieved without proper infrastructure. Emmvee Solar donated an entire library room to Edify school, Bangalore to help students prepare for their examinations.



An initiative of Emmvee Foundation in rural development areas is to identify schools & college and provide basic amenities like construction of sinks, toilet doors, providing exhaust fans, benches to the students & teachers, water purifiers, overhead water tanks etc. for the betterment of the school.



Some of the schools we worked with are:

- Government High School, Bettahalasur
- Government Model Primary School, Bettahalasur
- Government Higher Primary School, Vishwanathapura
- Government Higher Primary School, Sonnappanahalli
- Government Pre-University College, Vishwanathapura
- Government Higher Primary School, Halepete Chintamani