



WE HELP YOU INTERPRET
THE ECOLOGY BETTER....

Photonics is committed to assisting you to
best utilize the Natural Resources in a Cost-efficient way...

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Welcome to Photonics

Our journey began in 2011 with a vision to deliver innovative and sustainable infrastructure solutions through engineering excellence. Over the years, Photonics Watertech Limited has evolved into one of India's leading solution providers in LED Lighting, Renewable Energy, Water Infrastructure, and Smart Engineering Technologies, serving government, industrial, commercial, and residential sectors.

Today, Photonics offers comprehensive solutions in:

- LED Lighting Solutions
- Solar Power Projects
- BESS (Battery Energy Storage Systems) & Hybrid Energy Solutions
- Micro Wind Turbine Grid-Connected Systems
- EV Charging Infrastructure
- Water Infrastructure & Automation
- Dam Engineering

Our multidisciplinary team of experienced engineers and technical professionals combines advanced technology with practical expertise to design, manufacture, install, and maintain reliable infrastructure solutions. We are committed to delivering energy-efficient, environmentally sustainable, and future-ready systems tailored to our clients' requirements.

Photonics operates modern manufacturing facilities equipped with advanced machinery, testing laboratories, and quality assurance systems to ensure every product and project meets the highest industry standards. Our manufacturing capabilities include LED lighting systems, renewable energy components, automation panels, and customized engineering solutions.

With successful project execution across India and international markets, Photonics has earned the trust of government organizations, industrial clients, infrastructure developers, and commercial enterprises. We continuously invest in innovation and collaborate with leading technology partners to provide intelligent, integrated solutions that enhance energy efficiency, operational performance, and long-term sustainability.

Driven by engineering excellence and customer satisfaction, Photonics remains committed to building smarter infrastructure and delivering sustainable technologies that power a better future.



Photonics - it's not just a company merely engaged in profits & loss but a thought process to best utilize the Solar energy in the most efficient ways...



Director's Profile

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Brijesh Patel | Chairman & M.D.

Brijeshkumar Amrutlal Patel is the Chairman and Managing Director of our Company and has been on the Board of Directors of our Company since incorporation.

He is having experience of more than 20 years of in Developing, Implementing and maintaining Application and Reports, Solar rooftop installations, LED lighting manufacturing and dam & Canal construction/engineering projects & Automation services, as well as Water Treatment and Distribution Management. His expertise and leadership have been instrumental in advancing innovative solutions and strengthening the Company's operational excellence in these critical sectors.

“ I just think How it can be best and Not What is the Best ”

Vasantkumar Narayanbhai Patel is the Whole Time Director of our Company and has been on the Board of Directors of our Company since incorporation.

He has more than 18 years of experience in resource management, Project & Clients Co-ordination, Operations & Testing and analysing business requirements and development of application solution based on client requirements in Microsoft Technology. He has been instrumental in addressing client requirements across global markets, ensuring the harmonious flow of operations, streamlining testing procedures and guiding strategic resource management decisions. His leadership has played a pivotal role in strengthening the Company's performance and driving its continued growth.

“ I deeply believe in the human wealth that can do any impossible things possible ”



Vasant Patel | Whole Time Director

Jayavik Hasmukhbhai Patel is the Whole Time Director of our Company and has been on the Board of Directors of our Company since incorporation.

He brings over 15 years of business experience spanning sales, marketing, and finance. Through proactive strategies, rigorous marketing analysis, and efficient financial planning with well-structured cost management modules, he has consistently driven the Company's sustained growth and strengthened its market position.

“ At every juncture in Marketing, you don't just have to convince, you have to prove the worth of what you are selling ”



Jayavik Patel | Director



Shivani Joshi | Independent Director

Shivani Joshi, Non-Executive Independent Director of our Company and has been on the Board of Directors of our Company since April 04, 2026 for a term of 5 years.

She has completed her education qualification i.e Bachelor of Arts in 2018 from The Mohanlal Sukhadia University, Udaipur and Bachelor of Education (B. ED) in 2021 from The Mohanlal Sukhadia University.

“ I just think How it can be best and Not What is the Best ”

Jaya Bharadwaj, Non-Executive Independent Director of our Company and has been on the Board of Directors of our Company since April 04, 2026 for a term of 5 years.

She has completed her education qualification i.e Bachelor of Commerce in 2010 from The Maharaja Sayajirao University of Baroda and Company Secretary degree from the Institute of Company Secretaries of India (ICSI) in the year 2014. She has experience of more than 11 years in field of Secretarial Compliance.

“ I Focus on How to Make It Better, Not on What Is Best. ”



Jayaa Bhardwaj | Independent Director

Urvish Vinodchandra Jardosh, Non-Executive Independent Director of our Company and has been on the Board of Directors of our Company since April 04, 2026 for a term of 5 years.

He completed his education qualification i.e Bachelor of Commerce from the Gujarat University in the year 2012, Bachelor of Laws from the Gujarat University in the year 2016 and Master of Laws in Constitutional & Legal Orders in the year 2022 from the Sardar Patel University. He is having experience of more than a decade in Legal field.

“ I deeply believe in the human wealth that can do any impossible things possible ”



Urvish Jardosh | Independent Director

Meet Our Mentor



Mr. Vivek P. Kapadia

Master of Engineering (Civil), Master of Laws
Post Graduate Diploma in Personnel Management
(Equivalent to M.B.A.), Post Diploma in Computer
Applications

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Present Contributions

Vice President - Dholera Industrial City Development Limited, Govt. of Gujarat

Professor of Practice - Indian Institute of Technology, Gandhinagar

Consultant to World Bank - South Asia Water Management

Vice President - Indian Commission on Large Dams

Vice President - Dam Safety Society

Professional Career

Secretary to Government of Gujarat and Director, Sardar Sarovar Narmada Nigam Limited (January 2020 to August 2023)

Chief Engineer, Narmada, Water Resources, Water Supply and Kalpasar Department, Government of Gujarat (January 2015 to January 2020)

Superintending Engineer, Narmada, Water Resources, Water Supply and Kalpasar Department, Government of Gujarat (April 2005 to January 2015)

Executive Engineer, Narmada, Water Resources, Water Supply and Kalpasar Department, Government of Gujarat (November 1997 to April)

Consulting Structural Engineer (1992 to November 1997)

Why Photonics

Every client needs to be inquisitive while choosing a company and in most cases, the criteria may remain the same for the selection. However, here are some insights that might help you decide How Photonics stand different and unique out of the crowd.

- A strong bond of longer business relationships with our clients.
- Best of the breed team of professionals always ready to assist you with rich experience in their respective field.
- A firm market stand in national as well as international markets for the assured quality, consistency and highly competitive rates for the products and services.
- Well maintained security and quality standards under the strict supervision of senior officials and engineers.
- Our every segment of services or products is backed by needed certification and approvals by competent authorities.
- We are blessed with a wider network of engineers and professionals to comply with doorstep assistance by any of our clients pan India.
- As the entire team on-ground works under strict supervision, we have succeeded in maintaining a proven track record of the best-on-ground performance.
- Photonics is an ISO 9001:2015 & 14001:2015 certified company for their industry leading products and services.

Management Team

Success is always achieved by the team efforts and the team is nothing but a fine cluster of right man for the right job. Photonics is proud to have a well-organized and well-educated team of the professionals who have worked day and night with their outstanding efforts and dedication.



Prakash Bhambhani
Chief Financial Officer



Manali Shah
Company Secretary



Munesh Prajapati
Project Manager



Vishal Patel
Project Manager



Biren Patel
Sales Head



Bharat Parmar
Production Head



Mitulsinh Gohil
Senior Accountant



Pritesh Sukhadiya
Senior Project Engineer



Kamini Desai
Tender Head



Nehal Gor
Sr HR Executive

“ Every best achievement is the outcome of the collective efforts made at the right time by the right people and for the right purpose... Yes, Team Photonics knows it better than anything else.. ”

What We do

Photonics has always come up with innovative solutions that perfectly match the expectations of the clients' right from the scratch



LED Lighting Solutions



At Photonics, we are a leading manufacturer of high-performance LED lighting solutions designed to deliver superior energy efficiency, reliability, and long service life. Our comprehensive product portfolio caters to industrial, commercial, municipal, infrastructure, and outdoor lighting applications, ensuring optimum illumination with reduced energy consumption and maintenance costs.

With advanced manufacturing facilities, stringent quality control, and continuous product innovation, we provide end-to-end lighting solutions ranging from design and manufacturing to installation and maintenance. Our LED lighting systems are engineered to meet national and international standards while delivering maximum performance and sustainability.

Key Components of Solar Power Projects

- LED Street Lights
- Solar LED Street Lights
- LED Flood Lights
- LED High Bay Lights
- Industrial & Commercial Lighting
- Smart Lighting & CCMS Solutions
- Lighting Control Systems
- Energy Audits & Retrofit Solutions
- Customized Lighting Designs
- Operation & Maintenance Services

“ Lighting the way with innovation, efficiency, and sustainable brilliance. ”

Solar Power Projects



At Photonics, we specialize in delivering high-performance Solar Power Projects that enable industries, commercial establishments, government organizations, and utility providers to transition towards clean, reliable, and sustainable energy. Our end-to-end EPC solutions maximize energy generation, reduce electricity costs, and ensure long-term operational excellence.

From feasibility studies and engineering to procurement, installation, commissioning, and O&M, our experienced team delivers customized solar solutions that provide higher energy yields, lower carbon emissions, and maximum return on investment.

Key Components of Solar Power Projects

- Ground Mounted Solar Plants
- Rooftop Solar Systems
- Utility Scale Solar Projects
- Floating Solar Plants
- Solar Water Pumping Systems
- Grid-Tied & Off-Grid Systems
- SCADA & Monitoring Systems
- O&M Services

“ Harnessing the power of the sun to create a cleaner and more sustainable tomorrow. ”

BESS, Solar & Hybrid Energy Solutions



At Photonics, we provide intelligent Battery Energy Storage System (BESS), Solar, and Hybrid Energy Solutions that ensure reliable, uninterrupted, and efficient power for industries, utilities, commercial facilities, and remote locations. Our integrated energy solutions combine renewable generation with advanced battery storage to improve energy security, optimize power consumption, and reduce dependence on conventional energy sources.

With expertise in design, engineering, installation, commissioning, and lifecycle support, we deliver scalable hybrid systems tailored to customer requirements while ensuring optimum performance and operational reliability.

Key Components of BESS & Hybrid Systems

- Battery Energy Storage Systems (BESS)
- Solar PV Systems
- Hybrid Solar + BESS + DG Systems
- Battery Management System (BMS)
- Energy Management System (EMS)
- Power Conversion System (PCS)
- Microgrid Solutions
- SCADA & Remote Monitoring
- O&M Services

“Thousands have lived without love, not one without water.”

Micro Wind Turbine Grid Connected Systems



At Photonics, we offer advanced Micro Wind Turbine Grid Connected Systems that harness wind energy to generate clean, renewable electricity for residential, commercial, industrial, and institutional applications. Our solutions are designed to complement existing power infrastructure and integrate seamlessly with the utility grid, improving energy efficiency and reducing electricity costs.

From site assessment and system design to installation, grid synchronization, and maintenance, we provide complete turnkey solutions that ensure reliable and sustainable power generation.

Key Components of Micro Wind Systems

- Micro Wind Turbines
- Grid Synchronization Systems
- Wind Inverters & Controllers
- Hybrid Renewable Integration
- Monitoring & SCADA Systems
- Protection & Control Panels
- Installation & Commissioning
- Operation & Maintenance

“Capturing the power of the wind to build resilient and renewable energy systems.”

EV Charging Infrastructure



At Photonics, we deliver smart and future-ready Electric Vehicle (EV) Charging Infrastructure that supports the rapid growth of sustainable mobility. Our charging solutions are designed for residential, commercial, industrial, fleet, and public charging applications, ensuring safe, fast, and efficient charging for electric vehicles.

We provide complete turnkey services, including site assessment, engineering, installation, commissioning, software integration, and long-term maintenance, enabling customers to build reliable and scalable EV charging networks.

Key Components of EV Charging Infrastructure

- AC EV Chargers
- DC Fast Chargers
- Fleet Charging Solutions
- Payment & Billing Integration
- Remote Monitoring Systems
- Solar Integrated Charging Stations
- O&M Services

“Driving the future of mobility with smart, reliable, and accessible charging solutions.”

Water Infrastructure & Automation



The inherent element of Technology is that it is highly flexible by nature and changes at a speedier pace. When the right technology is integrated with the right area of work, it brings incredible result and revolution in the critical areas of human life.

At Photonics, we provide comprehensive Water Infrastructure and Automation Solutions that improve the efficiency, reliability, and sustainability of water management systems. Our expertise spans water supply, treatment, pumping, distribution, monitoring, and automation for municipalities, industries, and infrastructure projects. By integrating advanced automation technologies, remote monitoring, and intelligent control systems, we help organizations optimize operations, reduce water losses, improve energy efficiency, and ensure reliable water distribution.

Key Components of Water Infrastructure & Automation

- Water Supply Systems
- Pumping Stations
- Water Treatment Plants
- SCADA & Automation Systems
- PLC & Instrumentation
- Remote Monitoring Solutions
- Control Panels & Electrical Systems
- Operation & Maintenance Services

“Smart water management today ensures sustainable resources for tomorrow.”

Dam Engineering



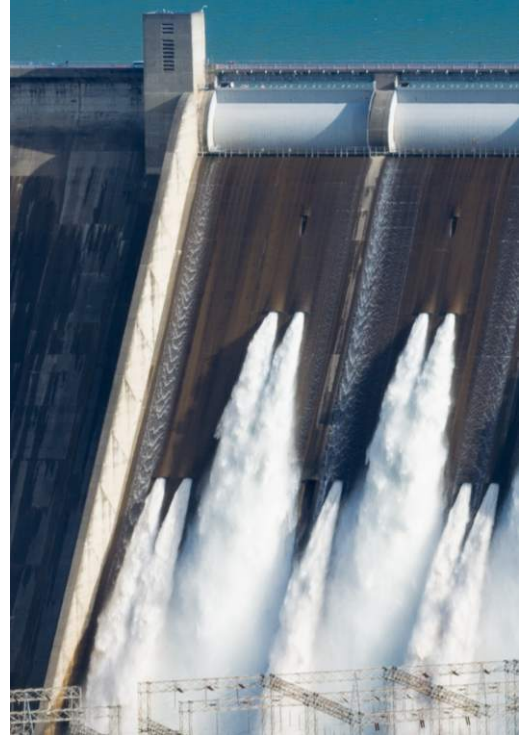
At Photonics, our approach is of continuous learning and keep evolving with advent of newer technologies in all the spheres of our activities. Being on a look-out for and swift adaptation to the new technologies has always been our core strength and it has enabled us to keep ahead of the crowd.

Photonics has developed advanced level of expertise in the area of management of dams and water reservoirs over last few years. At Photonics, we have created a vast pool of knowledge by collaborating with diverse individuals and organizations, internal as well as external, having sound experience backed by technical knowhow of different areas of management of dams and water reservoirs.

Some of the important components of Dam management are as following:

- Hydrology
- Hydraulics
- Dam Safety
- Dam Repairs and Rehabilitation
- Reservoir Operation
- Instrumentation
- Decision Support Systems
- Catchment Area Treatment
- Instrumentation and Automation
- Flood Control, Warning Systems and Risk Management

“ We cannot control the force of nature,
but we can harness technology to manage it wisely. ”





Driven by innovation, we create solutions that align perfectly with our clients' vision from the very beginning.



Infrastructure

Photonics is well equipped with state of the art infrastructure with world-class amenities to cope with the fastest changing technology and advanced tools.





Spacious and elegant work areas that motivate and enthuse people to be more productive and intuitive along among the presence of flora and fauna.





“

We cannot create the great architecture as it was but we can definitely extend their life expectancy with technology.

”





High-end Research and Development departments with qualified engineers and subordinates with the world-class tools and equipment.





Some of The Most Outstanding Projects To Our Credit

Photonics has successfully accomplished innumerable projects with highly customised LED Lighting solutions for various clients belonging to different industry verticals be it Government, PSUs or Private organizations across the globe.



WATER PROJECTS



Kanhar Dam

Supply and installation of Accelerograph for Kanhar Dam at Uttar Pradesh.

**IRRIGATION AND WATER RESOURCES
DEPARTMENT, UP**



GWRDC

Providing, installation and testing of pumping machineries including pipes, cable, control panel over 100 tubewells under S C Tubewell program



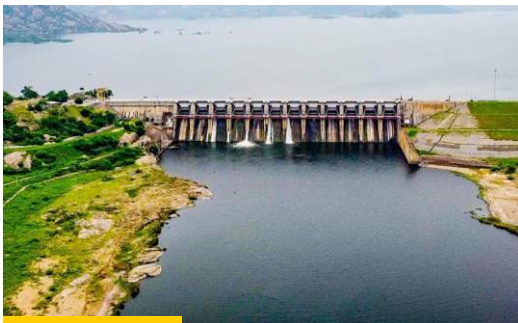
GWRDC

Construction of Piezometers (tubewells) approx 100 nos with platform & protection box for GWRDC under NHP scheme



GWSSB

SITC work of SCF pump set at Saputara for Gujarat State Water Supply and Sewerage Board



DRIP

Rehabilitation of T, LT power supply, transformers, LT panel, APFC panel and lighting work at Dharoi Dam under DRIP project for Irrigation Dept.



GWRDC

SITC of over 15000 Mechanical Water Flow Meter for monitoring the Quantity of ground water Pumped in Districts of Gujarat under Atul Bhujal Yojna, (ATAL JAL) under Atal JAL Scheme

LIGHTING PROJECTS



SEWA Project, Sharjah, UAE

One of the most prestigious projects accomplished with more than 3500 Solar LED Lights of 150W for SEWA- Sharjah Electricity and Water Authority.



TERI

We just did it with the best we had for TERI projects in Assam with more than 500 Solar LED Street Lights.



Municipal Corporation, Nagar Palika & Gram Panchayat

There are more than 15000+ LED Lights Project to our credit PAN Gujarat under the projects assigned by various Municipal Corporations, Nagarpalikas, and Gram Panchayats.



EESL- HP & UP

We are fortunate to serve one of the finest organizations with more than 5000 Solar LED Street Lights in Himachal Pradesh under EESL projects at quite high altitudes of India.



IOCL

Great experience to work with one of India's largest PSUs with more than 3000 Solar LED Street Lights, Flood Lights and Flame Proof Lights



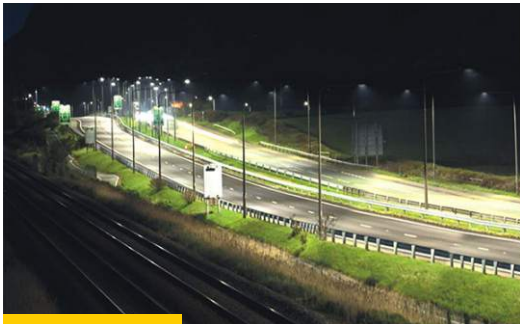
DEPARTMENT OF AUTOMIC ENERGY

The DAE project with more than 2000 AC LED lights PAN India.



Tapi DGVCL

A DGVCL project in Tapi District with more than 500 Solar LED Street Lights



R & B

There have been numerous LED Street Light projects to our credit from Road and Buildings Department, Government of Gujarat.



BREDA - PRD (PANCHAYATI RAJ DEPARTMENT)

SITC work of 30,000 solar street lights for govt. of Bihar under Mukhya Mantri Gramin Solar Street Light Yojna



ONGC

A feather to our cap- an ONGC project of more than 5000 Solar LED Street Lights PAN India.



GIDC

A step forward to integrate lighting Automation with GPS monitoring in more than 500 LED street lights under Khoraj GIDC project.

**“ Innovating Water
Engineering for Tomorrow’s
Needs ”**

SOLAR PROJECTS



GEDA

Photonics, being a pioneer in Solar Power Pack Industry, has been assigned to install Solar Rooftops Systems on Government Buildings PAN Gujarat with 5MW.



GUJARAT PAVITRA YATRADHAM VIKAS BOARD

We have also been empanelled for installing Solar Rooftop Systems at almost all the prominent religious places and temples of Gujarat like Mota Ambaji, Dwarka, and Mata Umiya Ji Temple at Unjha.



Indian Oil Corporation Limited

Indian Oil Corporation is one of our premier clients and there are more than 200 IOCL petrol pumps throughout Gujarat packed with Solar Power Rooftop Systems to our credit.



GIDC

There have been various GIDCs of Gujarat where we have been chosen for the Solar Power Rooftops installations of 300 KW.



Science City-Ahm

Photonics has also installed Solar Power Rooftops of 100 KW at Science City Ahmedabad.



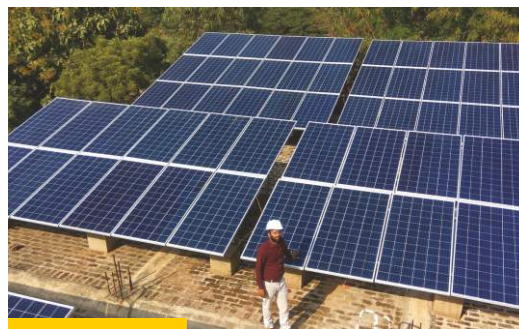
Municipal Corporations

We have also been chosen to install our Solar Power Rooftop Systems with 6MW in the most prominent municipal corporations of Gujarat.



DIU & DAMAN ELECTRICAL DEPARTMENT

One of the prestigious projects of Solar Rooftop Systems of 250 KW assigned by Diu & Daman Electrical Department.



INDUSTRIES

We have also been fortunate to install Solar Power Rooftop Systems to various industry verticals with 25MW.



RESIDENTIAL PREMISES

There more than 3500 Solar Rooftops installed by Photonics in various residential premises like multi-storied buildings, apartments, and bungalows



TCGL

SITC work of 220KW Solar Rooftop System at SIHM Siddhpur for Tourism Corporation of Gujarat Ltd.



BEL HYDERABAD (HYD) UNIT

SITC work of 750KW and O&M of 870KW solar rooftop systems at various facilities of Bharat Electronics Ltd



INDIAN OIL CORPORATION LIMITED

SITC work of over 1.5MW capacity at various plants and retail outlets of Indian Oil Corporation Ltd.



**GUJARAT INDUSTRIAL
DEVELOPMENT
CORPORATION (GIDC)**

SITC of floating solar plants of 280KW capacity at various locations



**GUJARAT INDUSTRIAL
DEVELOPMENT
CORPORATION (GIDC)**

EPC work of Dual power (solar and grid both) source based EV Charging Systems for Gujarat Industrial Development Corporation



**GUJARAT STATE
CO OPERATIVE MARKETING
FEDERATION LTD.**

SITC work of 220KW Solar Rooftop System grid connected solar rooftop system with automatic cleaning system. for Gujarat State Cooperative Marketing Federation Ltd.



**GUJARAT POWER
CORPORATION
LIMITED**

SITC work and repairign work of 1MW solar rooftop systems for Gujarat Power Corporation Ltd.



**GUJARAT URBAN
DEVELOPMENT
COMPANY LTD (GUDC)**

SITC work of over 800KW at various Urban local bodies for Gujarat Urban Development Corporation Ltd.



GSRTC

SITC work of close to 1MW capacity at various offices and workshops of Gujarat State Road Transport Corporation



Gujarat Industrial Development Corporation (GIDC)

Design and Development of Smart Transport nagar including SITC work, having capacity of parking of over 500 HCVs for Gujarat Industrial Development Corporation



HNGU

Supply, installation, testing and commissioning 210kw solar roof top system for different buildings at HNGU



GAIL

SITC of grid connected roof top solar pv power system at GAIL hazira



Knowledge Consortium of Gujarat (KCG)

Design, Supply, Installation, Testing, Commissioning, and Comprehensive Maintenance of 1.65 MW Grid-Connected Rooftop Solar Power Plants at Various Colleges Across Gujarat.



GUJARAT POWER CORPORATION LIMITED

SITC work and repairign work of 1MW solar rooftop systems for Gujarat Power Corporation Ltd.



GERMI

Design, Engineering, Supply & Procurement, Erection, Testing, Commissioning, and Comprehensive Operation & Maintenance of a Total 2 MW (AC) Solar Power Project Across Kutch, Aravalli,



Our Clients



AtmaNirbhar Bharat



Hands in Hands with the AtmaNirbhar Bharat Campaign

The visionary Prime Minister of India Shri Narendra Modi has always been making efforts to promote the futuristic concepts of “Make in India” and “Made in India”. We, at Photonics, have been right from the outset following and applying our efforts to enliven this futurist campaign.

The term “Make in India” implies that India invites and welcomes the best brains of the world, technologies of the world, and the foreign collaboration to invest, produce and expand through their products and services by tying up with the Indian Start-ups. While “Made in India” campaign invites and welcomes the native Indian Start-ups to come forward to produce and render services that are completely manufactured in India right from the scratch.

It's a matter of pride and privilege for Photonics to be a part of this campaign by manufacturing and delivering products as well as services to various industry verticals across the globe. It is a humble attempt by us to implement and integrate “Made in India” campaign in every product or service that we cater be it Solar Power Technology, Water Resources Management, Geo-physical Solutions, LED lighting solutions or eVehicles keeping in mind the preservation of the flora, fauna and renewable sources of energy that mankind is gifted with.

“ We love to be a part of the History that the Solar Energy is going to bring in coming days... ”



Scan this QR Code
to know more About
PHOTONICS WEBSITE



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🌐 www@photonicswatertech.com

Energy Division

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🌐 www@photonicslights.com

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