

COMPANY  
PROFILE  
2021



WE HELP  
YOU INTERPRET  
THE ECOLOGY  
BETTER....

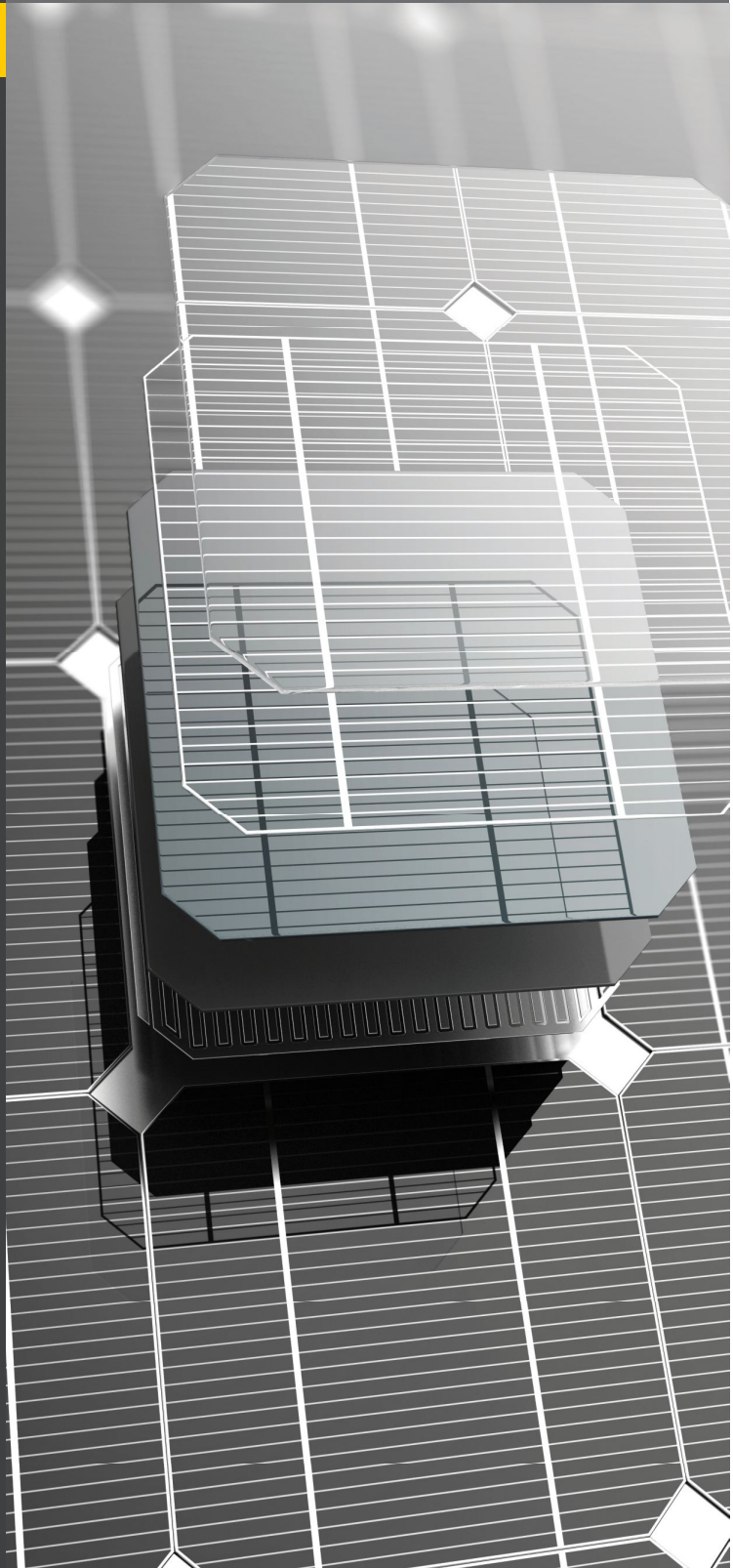


Photronics is committed to assisting you to  
best utilize the Natural Resources in a Cost-efficient way...

[www.photonicslights.com](http://www.photonicslights.com)  
[www.photonicswatertech.com](http://www.photonicswatertech.com)

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# Welcome to Photonics

Our journey began in 2011 with a handful of men and equipment. Back then Photonics usually catered their services in the areas of Water Automation Solutions, Smart LED lighting solutions, Solar Power Projects, to the industrial, government and the residential premises. However, these jobs imparted us invaluable practical knowledge that has helped us to be one of the Top Ten Solar Power & Water Resource Management & Equipment companies from Gujarat-India.

Photonics is a well-groomed team of qualified engineers and professionals who have the needed knack to integrate the natural resources with a fine blend of advanced technology and knowledge be it **Water Resources Management, Irrigation Management, Hydro-meteorology, Dam and Canal Automation, Water Treatment and Distribution or Solar Power Management and Equipment**. We love to innovate and apply the innovation in what we do. This is the reason why Photonics has been the first choice for their clients from different industry verticals across the globe. We are blessed with a large team of professionals and experts with rich experience.

We have our high-end manufacturing units at multiple sites with well-equipped labs, tools, equipment and machinery to cope with every minute requirement of our esteemed clients. It's a matter of privilege for us to be a prominent Water Automation Solutions Provider besides being a Technology Partner with #National Highway for EV. Moreover, Photonics have also collaboration in the areas of Information Technology (IT), Management Information Systems (MIS) and Application Software, Geographical Information System (GIS) with very reputed foreign organizations. It has undoubtedly put Photonics to a prestigious footing in the Solar Energy industry.

“

*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



**Jayavik Patel** | Director

Engineering in Electronics & Communication  
Sales, Marketing, and Finance with 15+ year of experience

Jayavik Patel had started the path of his career as a marketing manager with one of the most prestigious companies in India but later on he envisioned the scope of the Solar Power Technology and Water Resources Management in India and abroad. Hence, he ventured to launch a start-up packed with world-class amenities capabilities to cater Solar Power Technology Solutions to different industry verticals across the globe due to his proven track record of handling and managing projects globally. He is today taking care of the backbone of the company – Sales, Marketing, and Finance. He loves to work in challenging environments and achieve tough targets. He ably makes the things simpler and easier no matter how complex it might be! This is the reason why Photonics steps ahead in the solar industry uniquely.

To him, business is just a matter of matching the expectation in the right way. That's what he amazingly does while communicating with any clients. He is blessed with the unmatched skill of communication besides rendering the services worth every penny spent by our clients. You will always find three elements in him - simplicity, transparency, and prompt yet insightful decisions. His proactive strategies, in-depth marketing analysis, and efficient financial and cost modules have always brought anticipated results.

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

Vasant Patel, prior to his role as a director in Photonics, has emerged as a visionary entrepreneur having travelled a tough journey of his business through odd jobs be it in a position of a software engineering or efficient solar power management. He loves to explore the new horizons of businesses across the globe. **To him, business means a path to walk on with baby steps and achieve the pre-determined goals with a giant leap with hard-core preparations.** This is the reason why he has contributed his best in moulding Photonics with hassle-free business processes and practices.

Vasant Patel, once a team leader in an IT company, is taking care of more than 5000 clients across the globe on one hand and smooth and harmonious flow of operations, testing procedures and resources management on the other hand. He strongly believes that one's actions in the present should pave the path for one's brighter future and hence, the clients and the teams of Photonics find his work with precision, clarity and dignity.



**Vasant Patel** | Director

B.Com, PGDCA, MCA  
Project & Clients Coordination, Operation, Testing,  
Resource management with 15+ year Experience.

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



**Brijesh Patel** | Director

Net Working Engineer, RDBMS, MCSE, MCBDA  
Solar Power Technology, Water Resources Automation & Management with 20+ years of experience.

Brijesh Patel is a man with commitment and apt desire to explore the wide-spread areas of natural resources. Industrialist, by soul and nature, had begun his professional journey with a small job as a System Engineer and Database Administrator in an IT company but later, he joined hands with Vasant Patel and the team. Brijesh Patel has remained a promising leader and has been certified for personal leadership development by Leadership Management International, Texas, USA, a global leader for Organizational Transformation. Having joined Photonics, he applied his expertise and knowledge in the areas of Solar Power Management, Irrigation Management, Hydro-meteorology, Dam and Canal Automation, Water Treatment and Distribution management. He loves to be with Mother Nature and every minute he would be busy digging deep into his work areas. He has always preferred to blend

technology and natural resources that can ease and better human life. This is why Photonics has been delivering a wider range of Solar Power Products and Water Resources Automation Solutions to their clients in India as well as across the globe. He is spearheading in this direction along with his uninterrupted innovation in the same areas.

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

This amazing yet simple formula for his way of doing business has helped the company to reach a firm stand in the industry and turn him out as a prudent industrialist.

Rakshit Shah, a very humble by nature and very strong in work. He strongly holds the “Easy to Handle” approach and hence has proven a successful track record of Marketing Segmentation, Foreign Collaboration and Communication. His staunch approach of crystal clear communication has made it possible for Photonics to shake their hands with gigantic foreign organizations. His commending communication skill has immensely contributed in making hassle-free communication processes in Photonics.

**To him, business means a Two Way Communication Path full of information and one just needs to analyse, evaluate and interpret the information with the right perspective.** He is a man of word and commitment in everything he does. The credit of the successful completion of some of the most prestigious projects goes to his talent where his tenacious endeavour has just done it in time.



**Rakshit Shah** | Director

B.Com, MCA  
Sales, Marketing, Foreign Collaboration, and Communication

**“ We can also communicate well sometimes even without responding... ”**



## What We do

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

## Water Transmission And Distribution



According to an estimate, there is a loss of 34.6 billion litres of drinking water supplies in the world and if this loss is prevented even if, by only 30%, 800 million people can get clean and treated water across the globe with ease. This loss could cost a higher amount in terms of not only revenues but also in terms of leakages in pumping and treating the water from various channels.

Most water network systems are widely distributed and situated at various remote locations and hence, they need an efficient and advanced controlling and monitoring solution that could prevent the unwanted loss of water.

Photonics, a company with commitment and precision, is packed with state of the art water transmission and distribution solutions that perfectly well measure the flow of water, temperature, levels of water, pressure and hidden leakages in the water network channels. Industry best Water Distribution solutions:

- Make your existing infrastructure advance with vertical and horizontal integration.
- 24X7 Real-Time monitoring, controlling and optimum utilization of the water distribution channels.
- Water Distribution solutions with sensors, analysers, motors, drives and electrical and electronic components.

“ Nothing is softer or more flexible than water, yet nothing can resist it ”

## Solar Power Pack

(EPC & Rooftops)



Photonics has been well-acclaimed for their solar Power Technology Solutions for the last 10+ year. The reasons, for Choosing Photonics Solar Power Technology Solutions Provider, can well be elaborated with the following criteria

- There are more than 2,00,000 KW of systems installed by Photonics in the residential, industrial, and government premises.
- Photonics offers a wider range of Solar Rooftops System ranging from 1 KW to 100+ MW considering the clients' requirements.
- Photonics is a company providing comprehensive services from Site-specification, verification, tools and roof-top designing to installation and maintenance.
- You can also avail CAPEX (for your consumption) or OPEX (Generating electricity professionally for selling purpose) model depending upon your basic requirements.
- Auto-cleaning system under the service and maintenance contract for the easy and hassle-free maintenance of the solar panels installed at your premises at the most economic rates.

“ Photons are very minute particles with zero mass without any electric charge but sometimes they behave like a wave due to the amount of energy in it. ”

## 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.

The population growing at the fastest pace has made it inevitable to make stubborn and stabilize our water resources with advance technology and tools which can harmoniously maintain the efficient management of the water resources. Here is an array of the services catered by Photonics to smoothen the entire Water Resources Management system.

When it comes to water resources management, it basically concerns more with the efficient utilization and management of the water resources. It begins with the planning of establishing an ideal water resources mechanism and then allocating them considering the demand with the help of the advance technology and tools.

We are here to assist in vivid areas of Water Resources Management services like :

- Irrigation Management including Planning and Irrigation Network Management System.
- Hydro-meteorology with Real-Time Information System (HIS).
- Dam and Canal Automation, Water Treatment and Distribution Management.

“ Automation is nothing but just a wise integration of different segments that collectively work as a Large Automotive System like Solar System. ”

## Structural Health Monitoring Solutions

(Seismography Solutions)



One of the most critical areas relating to the safety and security of mankind is anticipating the disastrous phenomenon taking place on earth. This phenomenon may be out of our reach to predict in advance yet today's advance technology makes it possible to anticipate the forthcoming calamities.

Photonics is here to assist you with world-class Structural Health Monitoring Solutions that can help you identify and recognize the possibility of an earthquake in advance with our latest technology.

- A highly qualified and trained dedicated team of professionals who have deep research and application-base experience.
- Advance Seismological Instrumentation, Early Warning Sensors for Earth Quake that can pin-point the epicenter of the earthquake precisely.
- Multiple offices located in the prime cities across India to cope with any emergent situation arising impromptu.
- A large and well-trained team of engineers and field staff to handle maintenance contract, installation, training and support 24X7.

Customer-Centric approach taking care of the minute requirements of our clients to ease every process.

“ We cannot control the Force of the Nature but we can resist it with wise use of technology. ”



## Research & Ispection

*(Geophysical Solutions Provider)*



This segment of our services is the core services most in demand to preserve, maintain and extend the life expectancy of the structures of different sizes, shapes, age, nature and material.

Photonics has come up with a fine blend of technology as well as expertise gained through years of experience to analyze, evaluate and map up the precise status of a structure with their state of the art Geophysical Research and Ispection and Solutions Provider.

- Experts to evaluate, analyze the existing conditions of the bridges, dams, and archaeological monument structure sites.
- Geo investigation, Structure Health Monitoring and then deciding and suggesting the remedial measures for the same.
- The complete research and investigation are carried out by Senior Officials & Experts who have more than 25+ year of experience in their respective areas.
- The entire research and Investigation is backed by advanced tools and world-class technology to arrive at very precise remedial measures.
- Photonics has been appreciated with honour for their outstanding support and work in Research and Investigation with their Geophysical solutions.

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

## LED Lights

(Wider Range of the LED lights for Industrial and Road Lighting - Solar and Power Based



The business vision that Photonics is spearheading is to provide, maintain and perfect highly energy-efficient LED products. In this business journey of last 10+ year, Photonics has come up with an array of power-packed LED lighting solutions through Innovation, Research and Analysis of the trends prevailing in the world.

As the term “PHOTON” suggests, we at Photonics are engaged in the optimum use of the physical science of photon i.e. lighting generation, detection and manipulation through emission, transmission, modulation, signal processing, switching, amplification and sensing. This is the reason why we prefer to use Smart LED Lighting solutions that perfectly match the expectations of our clients.

Here is a gist of the products and services that Photonics is chosen for across the globe:

LED lighting products which are perfectly compatible with residential, industrial and any outdoor lighting options including the highway LED lightings which have been made mandatory by the government.

- Whichever the lighting options you opt for you will always get amazing longevity of more than 1,00,000 hours.
- Our products are delivered with the three prime principles – Longer Warranty, Assured Quality and Affordability without compromising an inch of the quality.
- We have a large number of projects from different industry verticals completed successfully to our credit.

“ **A small ray of light is capable of illuminating the entire world.** ”

## 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.





**Sumit Patel**  
*Operation Head*



**Tejas Joshi**  
*Business Development  
Manager*



**Bharat Parmar**  
*Production Head*



**Meena Parmar**  
*Finance & Accounting*



**Bhargav Trivedi**  
*Contents & Media*



**Dinesh Patel**  
*R & D Head*



**Munesh Prajapati**  
*Business Development  
Executive*



**Vishal Patel**  
*Project Coordinator*



**Srujal Patel**  
*Project Coordinator*



**Apurva Barot**  
*Business Development  
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.. ”

# 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.





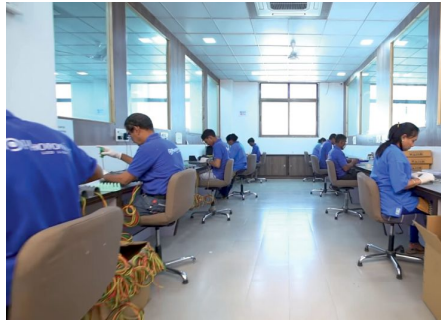
Spacious and elegant work areas that motivate and enthuse people to be more productive and intuitive along among the presence of flora and fauna.





*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.





## 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.

## 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.



## TERI

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

## 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



## 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.

## DEPARTMENT OF ATOMIC ENERGY

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



ONGC

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

## SOLAR WATER PUMP

A benchmark project of Solar Water Pump Projects at  
TERI- Assam.



## MOVABLE SOLAR LIGHT TOWER

There have been more than 500 Movable Solar Light Tower  
Project to our credit in Gujarat

GIDC

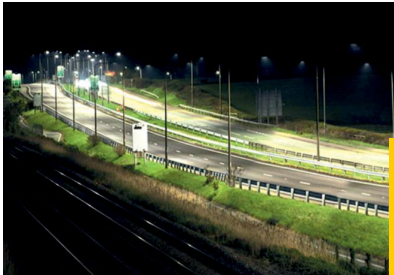


A step forward to integrate lighting Automation with GPS  
monitoring in more than 500 LED street lights under Khoraj GIDC  
project.



### Tapi DGVCL

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



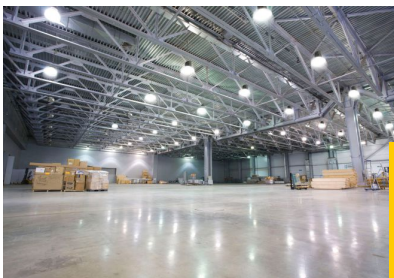
### R & B

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

### GSRTC



We have also been chosen By Gujarat State Road Transport Corporation for LED lighting solutions at different depots PAN Gujarat.



### ARVIND

Arvind has been one of our prominent clients to adorn their premises with our LED lighting solutions.

### L & T LARSEN & TOUBRO

We have also completed Solar LED lighting projects of L & T for their various plants in Gujarat.





## 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.



## IOCL

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 100 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

# Our Solar Rooftops Project

Solar Power Pack has remained our forte right from day one. It's a matter of pride and privilege to serve some of the Industry Leaders with our solar power pack solutions...



## 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.



*We believe Not In  
Reasons but in Results*



**Government Organisations**



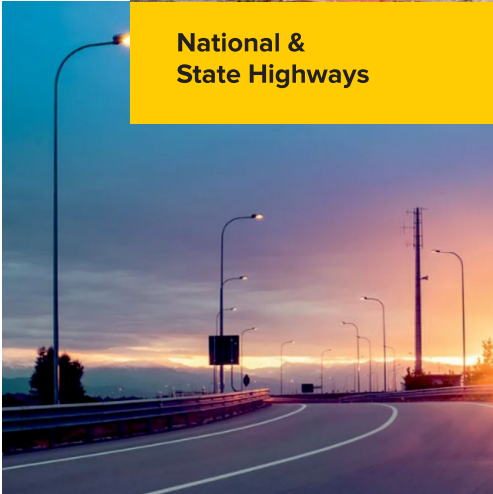
**Health Care & Hospitals**



**Residential Premise**



**National & State Highways**



**Corporate Organisations**



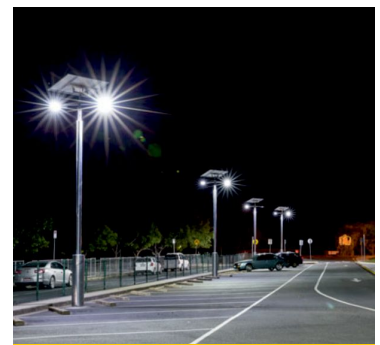
**Industrial Organisations**

**Industries Served**

**Village Area**



**Municipal Corporations**



“ We are fortunate to serve some of the best business and corporate houses from vivid industry verticals. ”

# Global Network

Photonics has incessantly been delivering its services to clients across the globe just because of three basic principles-- Precision, Consistency, and Quality at the most economic rates. and it has helped us connect to precious clients far away.



“ Your work is acclaimed globally only when you have succeeded in preserving the business values ”





Daman and Diu  
Electricity Department



## Our Clients



GAIL (India) Limited

HBL®



ARVIND  
FASHIONING POSSIBILITIES

BOROSIL®



JK LAKSHMI  
C E M E N T



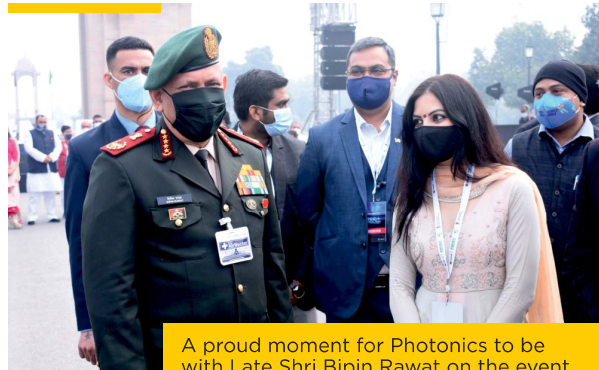
# NH for EV



Our honourable Prime Minister Shri Narendra Modi coined three beautiful words, “Reform, Perform and Transform” to motivate and promote our country's potential entrepreneurs to step forward and contribute to the development of the eco-system of the country with eVehicle concept. At Photonics, we feel honoured and privileged to be a Solar Power Technology partner of this dream project.

- Our role begins with the installation of the solar power pack systems for charging stations on 500 km long National Highway 48 and Yamuna Express Highway.
- We have a 24X7 available team of the dedicated engineers to cope with any emergent situation arising at the charging stations.
- Our Solar Power Pack System comprises Engineering, Procurement and Construction services which are the need of the hour in terms of the infrastructure to be set up in India.
- Every segment of our services is closely connected through high-end technology that maintains an uninterrupted flow of communication and services.
- Entire field-staff undergoes rigorous training before their fieldwork.

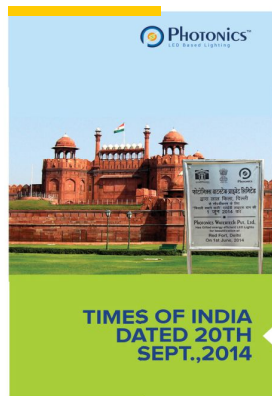
“ Nature has gifted more than actually we needed and hence today we need to return what we have consumed more than needed by adopting eVehicles. ”



A proud moment for Photonics to be with Late Shri Bipin Rawat on the event of the NHEV Trial Run from Delhi to Agra.



Sharing a stage with Honourable Minister Shri Pratap Chandra Sarangi a Minister of State in the Government of India for Animal Husbandry, Dairying and Fisheries and Micro, Small and Medium Enterprises.



## ASI chooses Red Fort as model for power efficiency

**Richi.Verma@timesgroup.com**  
 New Delhi: Red Fort has become the Archaeological Survey of India's (ASI) model project for energy efficiency. The world heritage site's annual electricity bill of Rs 3.4 crore is set to reduce by approximately 70% as a Gujarat-based company has donated electric equipment worth several lakhs to ASI.  
 With the donated electric equipment, ASI has installed energy efficient lighting for the front illumination, garden lighting and internal roads from Lahori Gate to Delhi Gate. The equipment donated to Red Fort includes around 300 LED lights, 150 bulbs, among others. "With the LED lighting now in place in major segments inside the monument and gives more output. We learnt that harsh lighting in various monuments were harmful to the facade and came up with the idea to donate LED lights. We thought of Taj Mahal and Red Fort first and donated materials worth about Rs 25 lakh for the latter," said Rakshit Shah, GM of Gandhinagar-based Photonics who donated the equipment.  
 The 17th century monument consumes the most power of all ASI-protected buildings in  
**The world heritage site's annual electricity bill of ₹3-4 crore is set to reduce by 70% with the equipment donated to ASI**

A matter of pride for us to have been mentioned in the Times of India for our humble gesture of adorning the Red Fort.

# 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



## Photonics Watertech Pvt Ltd

B/5/1 , Electronic Estate, Sector-25, GIDC, Gandhinagar,  
Ahmedabad, 382025, Gujarat, India

+91 81407 81888

### Water Division

✉ [watech@photonicswatertech.com](mailto:watech@photonicswatertech.com)  
🌐 [www@photonicswatertech.com](http://www@photonicswatertech.com)

### Energy Division

✉ [info@photonicslights.com](mailto:info@photonicslights.com)  
🌐 [www@photonicslights.com](http://www@photonicslights.com)

Overseas Sales Division  
Equator Exim Pvt. Ltd.

☎ +91 81286 74207  
✉ [info@equatorexim.com](mailto:info@equatorexim.com)

Overseas Sales Office (USA)  
Photonics Lights LLC

154, Oakleigh Dr, Clinton 39056, MS. USA  
☎ +1 601 717 2975  
✉ [info@photonicslightsllc.com](mailto:info@photonicslightsllc.com)

Plot No-611, GIDC Estate, Visnagar Road, Mansa - 382845  
Plot No-2, GIDC Estate, Visnagar Road, Aithor, Unhja - 384170