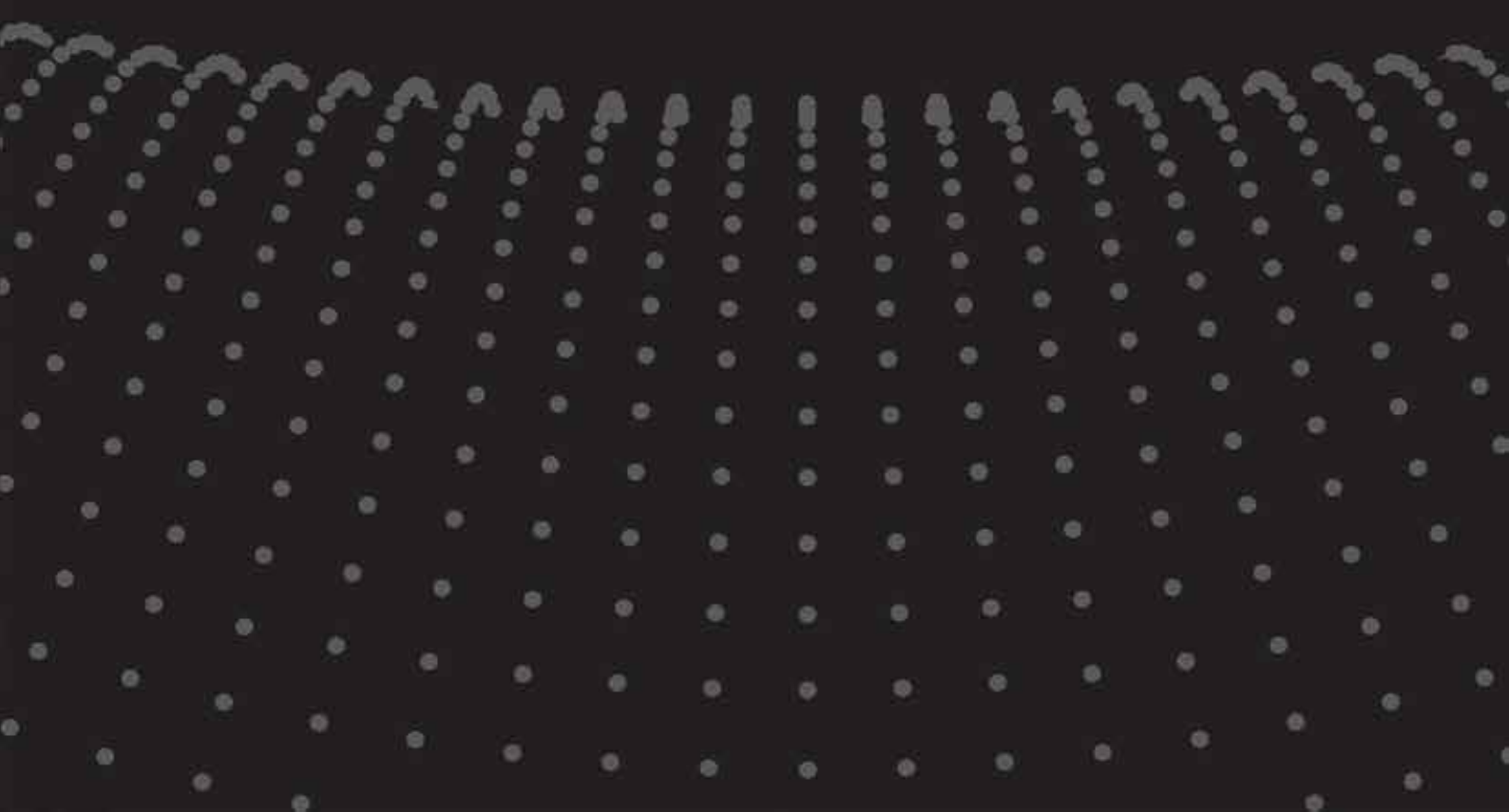




SOLAR POWER PRODUCTS

SUN BRIGHT THE WORLD,
WE BRIGHT YOUR WORLD



ABOUT PLUGIN ELECTRICAL

PLUGIN ELECTRICAL was established in 2016 by Meet Patel and Dishen Patel who has done his B.E. in ELECTRICAL ENGINEERING from GTU with the aim of making India an energy secure country.

PLUGIN ELECTRICAL has Established itself as pioneer in driving change with providing innovative solution to the existing problems at a minimal cost. Within a short span of time we have achieved resonant success owing to our technological soundness and dedication.

AIMS

PLUGIN ELECTRICAL aims at providing best solutions for a sustainable future by relying on renewable energy and electrical works. Providing Total Customer Satisfaction is our main strategy to achieve this goal.

SOLAR ROOFTOP

SOLAR WATER PUMP

SOLAR STREET LIGHT

ABOUT EPC WORK





SOLAR ROOFTOP

Solar Rooftop Are Solar Panels Placed On Top Of Roofs Of Commercial, Institutional Or Residential Buildings. They Capture The Light Energy Emitted By The Sun And Convert It Into Electrical Energy. This Setup Is Also Known As Solar Rooftop Photo-voltaic System. It Produces A Clean, Eco Friendly Form Of Energy, Meaning That It's Which Does Not Produce Any Type Of Pollution Or Harmful Gases.



ROOF MOUNTED SOLAR

A Roof Mounted Solar System Can Range From Small 2KW Systems To Large Megawatt Systems. The Solar Panels Are Lightweight And Can Be Installed On Any Roof Style. Roof Mounted Systems Come With Up To A 25 Year Production Warranty.



GROUND MOUNTED SOLAR

A Ground-mounted Solar System Is An Alternative For Owners Who Have Roof Issues Or Open Property. Ground-mounted Systems Are Designed To Make The Most Of The Available Space And Sunlight While Remaining Easy To Maintain. These Systems Are Designed To Withstand All Wind Up-lift Zoning Requirements And Come With A 25 Year Production Warranty.



CARPORT SOLAR

A Carport Or Trellis Solar System Is A Viable Solution For The Residential Or Commercial Business Owner Looking To Take Advantage Of Solar Power Without Sacrificing Valuable Parking, Or Large Portions Of Expensive Real Estate. New Carport Or Trellis Structures Can Be Custom Built Or Existing Carports Can Be Modified To Provide Shaded Or Covered Parking.





ADVANTAGES OF SOLAR POWER

- ⚡ Solar Energy Is A Clean And Renewable Energy Source.
- ⚡ Once A Solar Panel Is Installed, Solar Energy Can Be Produced Free Of Charge.
- ⚡ Solar Energy Will Last Forever Whereas It Is Estimated That The World's Oil Reserves Will Last For 25 Years.
- ⚡ Solar Energy Causes No Pollution.
- ⚡ Solar Cells Make Absolutely No Noise At All. On The Other Hand, The Giant Machines Utilized For Pumping Oil Are Extremely Noisy And Therefore Very Impractical.
- ⚡ Very Little Maintenance Is Needed To Keep Solar Cells Running. There Are No Moving Parts In A Solar Cell Which Makes It Impossible To Really Damage Them.
- ⚡ In The Long Term, There Can Be A High Return On Investment Due To The Amount Of Free Energy A Solar Panel Can Produce, It Is Estimated That The Average Household Will See 50% Of Their Energy Coming In From Solar Panels





SOLAR WATER PUMP

More correctly a solar water pumping system consisting of three main components :

- ⚡ A solar module (panel(s)) which provide the power
- ⚡ A controller which controls the system
- ⚡ A pump unit which is actually a pump coupled to a motor.



SOLAR WATER PUMP

A solar module can be mounted almost anywhere, but it should face in a southerly direction (in INDIA). If you are planning to use solar pumping on a farm the modules and pump controller should be mounted on a raised pole and fenced off, in order to help keep them out of range of animals. Animals can cause significant damage to the system if any of its components are mounted too low and in a place accessible to the animals.

The control box regulates the functions of the pump and responds to inputs from sensors such as low water level or tank full.





SOLAR STREET LIGHT

Solar street lights are raised light sources which are powered by photovoltaic panels generally mounted on the lighting structure or integrated in the pole itself. The photovoltaic panels charge a rechargeable battery, which powers a fluorescent or LED lamp during the night.



ROAD & STREET

Safety off the grid

Presenting a convenient and cost-effective way to light your streets at night. Philips Solar road and street lighting systems provide clear visibility for pedestrians and drivers, without needing AC grid. SOLAR lights quickly pay back the low initial investment with substantial energy savings.



URBAN

Beautify your urban area, the green way

Help your city shine at night. High-quality illumination from our solar powered systems brings out the best in your urban landscape, making residents feel proud. And by using a green and sustainable energy source, you're being kind to the environment too.



Flood & Area

Enjoy activities long into the night

Make that daylight feeling last for longer. Philips solar powered flood and area lighting provides clear, refreshing illumination that is perfect for sporting and entertainment events. Bring new comfort to your living and activity areas while keeping your energy costs low.





ABOUT EPC WORK

PlugIn Electrical is one of the leading turnkey EPC players in the Indian PV solar industry. Medium to Large-scale grid connected solar power plants installed by us have generated high efficiency levels that have become industry benchmarks and continue to be the best performing solar power plants in the country.

With our in-house engineering and construction teams, we strive to leverage our technical experience and industry know-how to develop the most cost-effective and energy efficient PV solar plants in the industry.

We provide complete end-to-end solutions including Engineering, Procurement and Construction(EPC) services for our customers seeking to build solar power plants in India and abroad. Extremely quick project completion time and industry high generation levels are reflective of the high quality standards set by PlugIn Electrical Energy in India's solar photovoltaic space. Our world-class project management teams ensure we complete the project in the fastest possible time without compromising on quality.

We assist customers seeking to use solar power right from the planning stage through the entire operational life of the project. This includes providing our customers with a complete financial return and cash flow analysis of the solar power project including providing advisory services that help customers navigate all government policy issues, land procurement issues, tax benefits, subsidies and regulatory approvals to successfully install solar photovoltaic plants.



OUR SUCCESS STORY

SOLAR ROOFTOP

INDUSTRIAL PROJECT



125 KW EDI



60 KW PASUPATI INDUSTRIES



1 MW CHANGODAR



VAPI, 500 KW



CIVIL HOSPITAL 50



KANDALA 75 KW

RESIDENTIAL PROJECT



CHANDLODIYA 20 KW



SATELITE 10 KW



SINDHUBHAVAN 15 KW

OUR SUCCESS STORY

SOLAR WATER PUMP



PUMP AMRELI 5 HP



PUMP GOTA 10 HP



JODHPUR 5 HP



SURENDRANAGAR 5 HP



IDAR 54 HP



BANASKANTHA 5 HP

SOLAR STREET LIGHT





20, Shreedhar Industrial Park,
Opp-Simal Motors, Kathwada, Ahmedabad.



+91 85114 85291 | +91 73838 40881



switchtoplugin@gmail.com



www.pluginelectrical.co.in