

EMBRACE THE SUN TO
POWER-UP
YOUR WORLD



VISION

Affordable Solar
for Power
Generations.



MISSION

To Harness and
Deliver the Power of
The Sun to Drive a
Sustainable and
Empowered Future.



VALUE

Committing to
Sustainable Energy
with Integrity,
Innovation, and
Community
Empowerment.

01

ENTREPRENEURSHIP

We Passionately Challenge the Status-quo by Encouraging Bold Thinking, Initiative-taking, Taking Calculated Risks and Exploring Unconventional Ideas.

06

PROCUREMENT

Component from Tier 1 Manufacturer with Back to Back Warranty. All Component Comes with Independent Third Party Inspection Certificate to Ensure Best Quality.

02

EXCELLENCE

To us "Excellence" means Standing out, Striving for Perfection in Everything We do.

07

INSTALLATION & COMMISSIONING

Single Contact Point for Completing all Government liasioning and permit related work. Installation & Commissioning done by highly experienced team. Implementation of design related parameter in installation and commissioning to ensure correct system behavior.

03

SOCIALLY RESPONSIBLE

We are committed to taking care of the society and environment through all our actions.

08

OPERATION & MAINTENANCE

Comprehensive maintenance of complete system. Intelligent monitoring system which results in trouble free operation at optimized level. Preventive maintenance and predictive analysis of system ensuring maximum uptime and minimum failure.

04

HONESTY

"Honesty" to us means sincerity, integrity, loyalty, and being fair & truthful.

09

KEY HIGHLIGHTS OF OUR SOLAR ROOFTOP SYSTEM

Design Life of 25 Years Use of Highest Quality Components
Get Power for less than INR 2/KWH
Payback period of less than 4 years

05

OUR VALUE PROPOSITION DESIGN

Optimized design of system using advanced software. Design validation by independent certification agency. Energy yield validation by independent certification agency.

SOLAR ENERGY & SOLAR PRODUCTS

Solar power is most convenient because it is clean (does not produce fume), renewable (easily can be renewed every day by the Sun), and also quite (contrary to Diesel/Petrol generator).

The cost of traditional mode of electricity is increasing consistently. The installation of the solar infrastructure may Initially be a little high, but after this initial expense, there is no recurrence cost.

On the other hand, Traditional power generation systems such as thermal etc are fast consuming natural resources where as solar generation is a renewable each day without any natural resource consumption.

Consequently, we will soon be without these natural resources. That is why; solar power is useful, as it can be renewed every day with the rays of Sun.



SOLAR ROOFTOP SYSTEM

Solar rooftop system is a useful way of producing cost effective electricity for domestic and commercial purpose. This infrastructure can be mounted on the roof of houses and offices for domestic power generation. For commercial power generation usually large commercial fields are required. It is made up of a set of PV modules, and it converts solar power into electrical power.

EPC

The highly skilled and dedicated EPC Team at Wolt Solar ensures the completion of each solar plant from concept to commissioning including its operation and maintenance for the complete lifespan of the plant. The company, over the years, has developed an internationally accredited expertise in engineering and technology, procurement and project management, construction and commissioning, with a strong command over asset management. Its business model ranges from the acquisition of developed sites to the servicing and maintenance of completed solar arrays throughout its lifespan.



KEY HIGHLIGHTS OF OUR SOLAR ROOFTOP SYSTEM

- Design Life Of 25 Years
- Use Of Highest Quality Components
- Get Power For Less Than Inr 2 / Kwh
- Pay Back Period Of Less Than 4 Years

PROJECT EXECUTION PHILOSOPHY

We believe in providing optimal and holistic techno-commercial solution to energy requirement of our customer. Our team is experienced in all aspects of project development and execution. We work very closely with our customer to understand their power requirement and provide them correct solution to help them achieve their goals for using renewable power.

Our years of experience in working along with all types customers (industrial, commercial, residential etc.) gives us insight into criticality of application and need of reliable, cost effective power to meet their current and future requirement. We interact with customer and work very closely with them on various stage of project.



Energy/ Power And Load Assessment

- ▶ Independent pre-construction energy assessment services for Roof-top Solar PV customers.
- ▶ Detailed bankable pre-construction energy assessment for Roof-top Solar PV customers.
- ▶ Operating plant performance assessment.



Government Clearances

- ▶ Complete end to end responsibility to get all necessary clearances from all necessary government agencies and discoms to minimize the delays during Project execution cycle.



System Design

- ▶ Most optimized design of the PV system using the latest Software and engineering tools to achieve maximum generation from the Solar PV plant.
- ▶ Characterization of the power generation from the Solar PV plant throughout its life- cycle.
- ▶ Selection and sizing of the various system components to achieve the maximum output from the Solar PV plant.
- ▶ Certification of the Solar PV plant design from reputed 3rd party agencies.



Procurement

- ▶ Procurement of best-in class and highest quality of components in the PV system to maximize the life-cycle and power generation of the Solar PV system.



Installation and Commissioning

- ▶ Highest quality of installation and commissioning of the system through our most experienced teams.
- ▶ High quality site project management capabilities to minimize delays in handing over site to customers and achieve highest possible power generation from the system through quality installation and commissioning practices.



Monitoring and Maintenance

- ▶ Provide overview of the power generation from the PV power plant with the real-time updates of the Key Performance indicators (KPIs) from the PV power plant.
- ▶ Provide health-status of major equipment in the PV plant i.e. Inverters, PV strings etc.
- ▶ Provide smart analysis of the power generation in the power plant using machine-learning and Artificial Intelligence (AI).
- ▶ Provide customers with periodic reports on the power generation and operating state of the PV plant.
- ▶ We have 24 X 7 dedicated maintenance team. They carry out regular site visits after installation to perform regular maintenance of system.



Site Assessment

- ▶ Based on our study of Energy/power and load requirements, we carry out detailed site assessment.
- ▶ Analysis of Solar irradiation of the site.
- ▶ Analysis of the available roof-space for installation at site.
- ▶ Analysis of the optimal orientation angle of the Solar PV panels required to achieve maximum power generation.
- ▶ Provide 3D Design details with all view (Front/Top/Side) and real time measuring From Sunrise to Sunset

OUR SERVICES

Industrial / Commercial Solar Power Plant

We provide end to end solutions for Roof-top Solar PV systems, Ground-mounted PV systems and Energy storage systems.



GROUND MOUNTED SOLAR POWER PLANT

We provide customers' excellence in operating and maintaining Solar PV power plants using our Remote monitoring system for Solar PV plants and achieve maximum throughput from the operating assets.

Our Remote monitoring platform provides our customers with following benefits:

- ▶ Dashboards for monitoring of all KPIs in the plant in real-time.
- ▶ Dashboards for real-time monitoring of the health-status of all critical components in the Solar PV system.
- ▶ Historical storage/database of the key operating parameters in the plant.
- ▶ Smart analysis modules to monitor and predict component failures, plant performance etc. Using AI and machine-learning.
- ▶ User-friendly reporting engine to create customized reports based on plant parameters at customized intervals.



APPLICATIONS



Application of Deep Well Pump and Sewage Pump to Irrigate



Village and Town Water Supply



Apartment, Hotel and Hospital Sewage Treatment



Aeration machine, Cooling Tower and Other Industrial Usage



Solar Power Station Cleaning



Pumping and Drip Irrigation



ADINSON
ENERGY

- ▶ **TESTING**
- ▶ **COMMISSIONING**
- ▶ **MAINTANANCE OF ELECTRICAL SYSTEM**
- ▶ **MATERIAL SUPPLY**



ELECTRICAL SWITCHGEAR TESTING

Relay Testing



Electromagnetic Relay
(Auxiliary Relay)



Static Relay
(Numerical Relay)



Electromechanical Relay

Retro Fitting

Successful replacement of old protective relays (Electromechanical, Numerical) with new microprocessor based relays (ABB make REF series) In various petrochemical plants.



TRANSFORMER TESTING

- ▶ Ten Delta
- ▶ Magnetizing Current
- ▶ Magnetic Balance -Vector Group
- ▶ IR/PI
- ▶ Ratio
- ▶ Winding Resistance
- ▶ CRM
- ▶ REF Scheme
- ▶ Differential Scheme

CT/PT TESTING

- ▶ Ten Delta
- ▶ Partial Discharge Test
- ▶ Ratio/Polarity
- ▶ Knee Point
- ▶ IR/PI

CIRCUIT BREAKER TESTING

- ▶ Manual 'ON' and 'OFF' operation
- ▶ Contact Resistance
- ▶ Insulation Resistance
- ▶ Opening Time -Closing Time
- ▶ Close to Open Time(HT Breaker)
- ▶ Vacuum Bottle Level Check(HV Test)

BUSBAR TESTING

- ▶ Insulation Resistance Test
- ▶ Bus Bar Resistance(With Joint)
- ▶ Bus Bar High Voltage

SERVICING OF HT/LT PANEL

- ▶ HT Breaker Servicing
- ▶ LT Breaker Servicing
- ▶ Bus Bar Tightness
- ▶ Transformer Maintenance
- ▶ HT/LT Panel Wiring

SOLAR & WIND POWER PLANT (RENEWABLE ENERGY)

- Site access.
- Piling & Foundation.
- Cable Laying, Termination & Glanding.
- Module & Mounting frame installation.
- Junction Box Mounting & Commissioning.
- Inverter Room Construction.
- Installation of Inverter, LT Panel, HT Panel, ACDB, DCDB, Aux Trafo, Battery Charger, Lightning Arrester, Lightning System, Transformer & Switchgears.
- Substation construction.
- Electrical site works.
- Grid interconnection works.
- Testing and Commissioning.
- Operation & Maintenance of Solar Plant.
- Customized AMC plans based on the customer's needs.





MAINTENANCE AND REPAIR

- ▶ Emergency response repairs.
- ▶ Electrical power generation, protection and distribution maintenance.
- ▶ Maintenance & Servicing of Breakers & Motors.
- ▶ Upgrading and modification of old substations.
- ▶ Repair of Transformer oil leakages.

AMC SERVICES:

BREAKDOWN MAINTENANCE SERVICES

- ▶ Preventive Maintenance Services.
- ▶ Maintenance Services of Motors, Compressors, Indoor & Outdoor.
- ▶ Sub station on, Solar Plants, Lightning System, HT Panel, LT Panel, Circuit Breakers, Transformers & all Switchgears.
- ▶ Solar Panel Cleaning services.
- ▶ Other Customized Maintenance Services.
- ▶ DC Cable fault finding and rectification.
- ▶ Oil Testing & Filtration.
- ▶ Manpower Supply.
- ▶ Cable supply, Installation, Termination and Testing.
- ▶ Electrical power systems, protection panels and distribution switchgears.
- ▶ Control system installations.
- ▶ Power Transformer installation and testing including oil filtration and treatment.
- ▶ Consultancy Services related to Relay Coordination.

MATERIAL SUPPLY



L&T Switchgear

Electrical & Automation is a major business portfolio of Larsen & Toubro. The business basket of Electrical & Automation (E&A) contains low and medium voltage switchgear products, electrical systems, energy meters and automation solutions. Its products and solutions cater to industry, utility, building & home, infrastructure and agriculture segments.

- ▶ OMEGA Air Circuit breakers
- ▶ C-Power Air Circuit breakers
- ▶ C-line Manual Changeover Switch
- ▶ C-line Motorised Changeover Switch
- ▶ Power Contactors
- ▶ Control Contactors
- ▶ Special Purpose Contactor
- ▶ MCB, RCCB
- ▶ HRC Fuse Link
- ▶ Motor Protection Circuit Breakers
- ▶ Moulded Case Circuit Breakers
- ▶ LED Indicators, Push Button Actuators & Stations
- ▶ Rotary & Load Break Switches
- ▶ Timers, Time Switches, Supply Monitors & Counters
- ▶ Starters & Submersible Controllers
- ▶ Switch-Disconnecter
- ▶ Switch-Disconnecter-Fuse
- ▶ Thermal Overload Relays

Finolex Cables Ltd is India's largest and leading manufacturer of electrical and tele-communication cables with a turnover in excess of 26 Billion (about US\$ 400 million) Besides a wide variety of Wires & Cables, the Company is also manufacturing lighting products, electrical accessories, switchgear, fans and water heaters.

Finolex
Cables Limited

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- ▶ Thermal Overload Relays



3M Heat Shrink low voltage joints are available for armoured/unarmoured low voltage single core and multi core power cables.

- **3M** Heat Shrink medium voltage joints are available for tape/wire shielded, armoured/ unarmoured medium voltage single core and three core polymeric cables.

- Cold Shrink Termination Kit is designed for Cables up to 72.5kV (Umax) Voltage class, single core polymeric power cable systems.

Heat Shrink Solutions (3.3kV to 36kV)

- ▶ Heat shrink splice/Cable Jointing Kit
- ▶ Heat Shrink Termination Kit
- ▶ Stress Control Mastic
- ▶ Dual Wall Tube
- ▶ Anti-Tracking Tube
- ▶ Insulating Tube
- ▶ 26/35kv Cable Termination for GIS Equipment
- ▶ 11/22/33kv-Medium Voltage (MV) Termination
- ▶ 11/22/33kv- Medium Voltage (MV) Splice
- ▶ 66kv/72.5kv Termination
- ▶ 66kv/72.5kv Splice
- ▶ 110kv(123kv)/132kv(145kv) Termination
- ▶ 110kv(123kv)/132kv(145kv) Splice
- ▶ Heat Shrink Termination Kit

Eaton is a leading diversified power management company that offers a wide array of electrical products and services that allow you to take a strategic, holistic, life-cycle-oriented approach to power management.



- ▶ SAMI Fuse Covers, Indicating and Non-Indicating
- ▶ Fuse Blocks
- ▶ Global Modular Fuse Holders
- ▶ Disconnect switches
- ▶ Rotary Disconnect Switches
- ▶ Fuses - Electric Vehicle
- ▶ Fuses-electronic PCB and small dimension
- ▶ Fuses-high speed
- ▶ Dual Element, Time-Delay Fuses
- ▶ Solar PV fuses
- ▶ Terminal blocks and connectors
- ▶ Surge protective devices
- ▶ DC and PV Gard molded case circuit breakers
- ▶ DC Safety Switch



Pioneers In Solderless Terminals, Crimping 10015 & Cable Glands. At Dowell's, quality is always on highest priority. We're commencing the process of getting ISO 9000 certification. We've invested in the NISA software for the purpose of R&D, and our QC-lab is equipped to check quality right from raw materials to finished product.

Heat Shrink Solutions (3.3kV to 36kV)

- ▶ Copper Tube Terminals (medium Duty)
- ▶ Long Barrel / heavy Duty Long Barrel / Heavy Duty - open At K
- ▶ Copper Tubular Extended Palm/Diw
- ▶ Copper Reducer Terminals
- ▶ Ring Non-insulated/Insulated / Pre-insulated
- ▶ fork Non-Insulated / Insulated / Pre-insulated
- ▶ fork Hook Insulated/Pre-insulated
- ▶ Pin Non-insulated/Insulated / Pre-insulated
- ▶ Extended Palm
- ▶ Railway Two Hole/Two Hole - Flat Headed
- ▶ Heavy Duty - Als_xl
- ▶ two Hole
- ▶ aluminium - Long Barrel /Reducer Terminals
- ▶ in-line Ctic-cb/Insulated /Long Barrel
- ▶ / End Seals
- ▶ tubular In-line
- ▶ battery Cell (lead Coated)
- ▶ single Compression Cable Glands
- ▶ double Compression (weatherproof Cable Glands/ Flameproof Cable Glands-i,iaa,lib/ Flameproof Cable Glands-iic)
- ▶ stopping Plug Flameproof And Weatherproof

ABB provides a full range of medium voltage solutions for the utility customers with safe, reliable and smart technologies for the distribution of electricity.



- ▶ VD4 contactor
- ▶ Withdrawable truck
- ▶ Vacuum pole
- ▶ New VD4 mechanism
- ▶ NEW VD4 shunt release
- ▶ NEW VD4 Opening solenoid

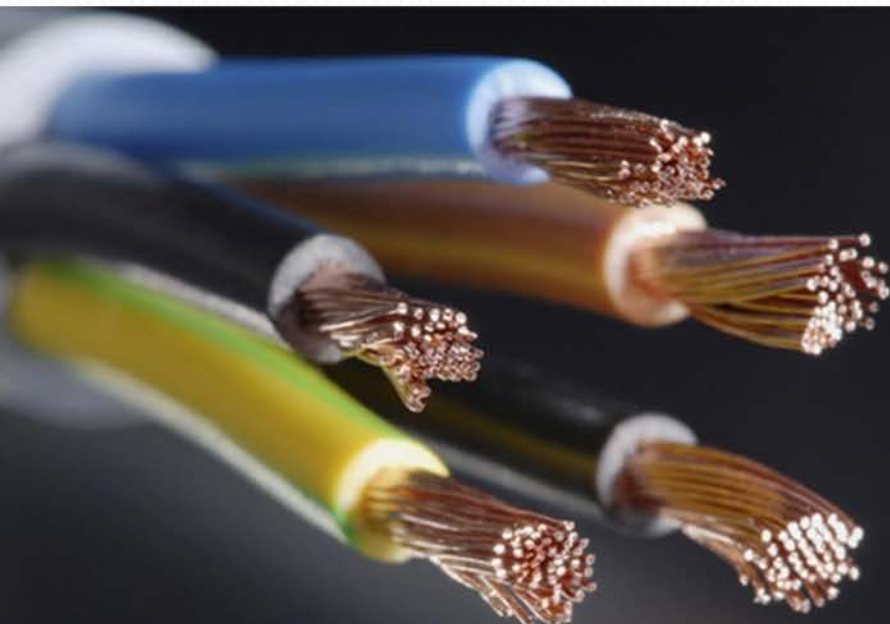




KEI Industries Limited, known for its unique product range across the world is one of the leading wire and cable manufacturers in India. KEI manufactures high and low tension cables (EHV, HT & LT), control and instrumentation cables, house wires, power cables, stainless steel wires, and electrical cables. Its unique product range of wires and cables is known pan India and across the globe.

KEI
Wires & Cables

- ▶ EHV Cable
- ▶ HV Cables
- ▶ LT Power Cable
- ▶ Power and Control Cable for Machinery
- ▶ Instrumentation and Signal Cable
- ▶ Thermocouple
- ▶ Extension/Compensating Cable
- ▶ Silicon Rubber Flexible Cable
- ▶ Electrical Wire and Cable for Home and Residential
- ▶ PVC Submersible Winding Wires
- ▶ Stainless Steel Wires
- ▶ Solar Power Cable



PROJECT INVESTMENT MODEL

“

Never Depend on
single income.
Make investment to
create a second source

Warren Buffett

”

We offer you couple of way by which
you can invest in solar, But before,
let's see sources of revenue solar can earn

PPA (POWER PURCHASE AGREEMENT)

Revenue earned through sale of electricity to private party or government.

REC (RENEWABLE ENERGY CERTIFICATE)

These are certificates which a solar power plant developer acquires from the government on generation of solar power from the solar power plant. These certificates are traded on the power exchanges in a price band of Rs.9.30 per unit - Rs.13.40 per unit.

CER (CERTIFIED EMISSION RATES)

Emission reduction projects can earn saleable certified emission reduction (CER) credits, each equivalent to one tons of CO₂, which can be counted towards meeting Kyoto target.

ESCALATED LAND VALUE

Huge chunk of Land is acquired for solar generation. The value of land will definitely be escalated after 25 years (minimum period of project life).

TAX HOLIDAY FOR 10 YEARS

No income tax is payable on revenue earned from solar for 10 years.

80% ACCELERATED TAX DEPRECIATION

This will help in huge tax benefit on your existing business revenue. You can claim for 80% depreciation in 1st year and 16% in second year and so on for further years.

PROJECT INVESTMENT MODEL

Yearly Returns (your money will not be locked-in as in the case of Land and Fixed Deposit)

- Safe returns for 25 years (your returns are not subject to market risks as in the case of Mutual Funds and Shares)
- Minimum 20% safe returns (Unlike shares, mutual funds, it pays off better)
- Six months Gestation Period (Unlike other projects, i Paying quickly)
- Asset Generation (A lifetime asset which will grow a:

“

**Safe, Secure and Smart Investment with
MEGH AUTOMATION.**

”

EXPERIENCED SOLAR PARK CONSULTANTS - INDIA

- When it comes solar park consultants in India, Megh Automation offers the expertise as well as tools required to provide the best possible solution to clients across categories. We have worked on various projects of solar park in India. Right from conceptualization to installation, Megh Automation offer an extensive bouquet of services that helps industrial units adapt to the solar way of manufacturing.
- Needless to say, we are solar panel manufacturer, solar panel installation brings with it, the advantages of the process becoming cost effective, eco friendly and more efficient. Additionally, Solar panels reduce the reliance on electricity and power coming from non-renewable sources of energy.



HERE IS A LOOK AT THE VARIOUS SERVICES THAT MEGH AUTOMATION IS ABLE TO OFFER:

Approvals and Liasoning

Approvals and Liasoning forms mostly initial phase of development of plant that includes -

- ▶ Project registration at MNRE (Ministry of Non Renewable Energy) nodal agency
- ▶ LTOA (Long Term Open Agreement) related works
- ▶ Plant commissioning certificate
- ▶ PPA (power purchase agreement) with private/government
- ▶ Land related paper work
- ▶ REC (Renewable Energy Certificate) related SLDC Registration,
- ▶ Accreditation Certificate
- ▶ NLDC Registration



Plant Design & Engineering

Every project comes with its own difficulties- soil, weather, wind, radiance, and topography. All these factors need to be taken in account while designing its layout. Appropriate plant design and PV parameters are one of the key components to generate maximum output and thus maximum project value.

- ▶ Selection of modules (based on capacity and efficiency).
- ▶ Markings based on topographical sheet.
- ▶ Panels are mounted as per the markings with minimum disturbance to the environment.



Construction and Procurement Management

- ▶ Robust and agile supply chain (Tier 1 Manufacturer) with global network for timely delivery of system equipments.
- ▶ Inventory Management
- ▶ Quality and Inspection control
- ▶ Mounting Solutions
- ▶ Alignment of non module components with module component to generate better yield
- ▶ Integrated planning, scheduling and execution system
- ▶ Final commissioning



Post Commissioning Management (O&M)

- ▶ Regular Cleaning- dust removal of panels and inverters
- ▶ Inspection of site
- ▶ Removal and replacement of faulty equipments
- ▶ Remote Monitoring of plant With SCADA implementation,



we can monitor functioning of our solar plant from anywhere. This enables us to:

- ▶ Knows real time data from anywhere anytime
- ▶ Detailed analysis to understand if power generated is as expected/designed
- ▶ Know issues on-field with equipments and manage with effective O&M Predict the power generation with certainty



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