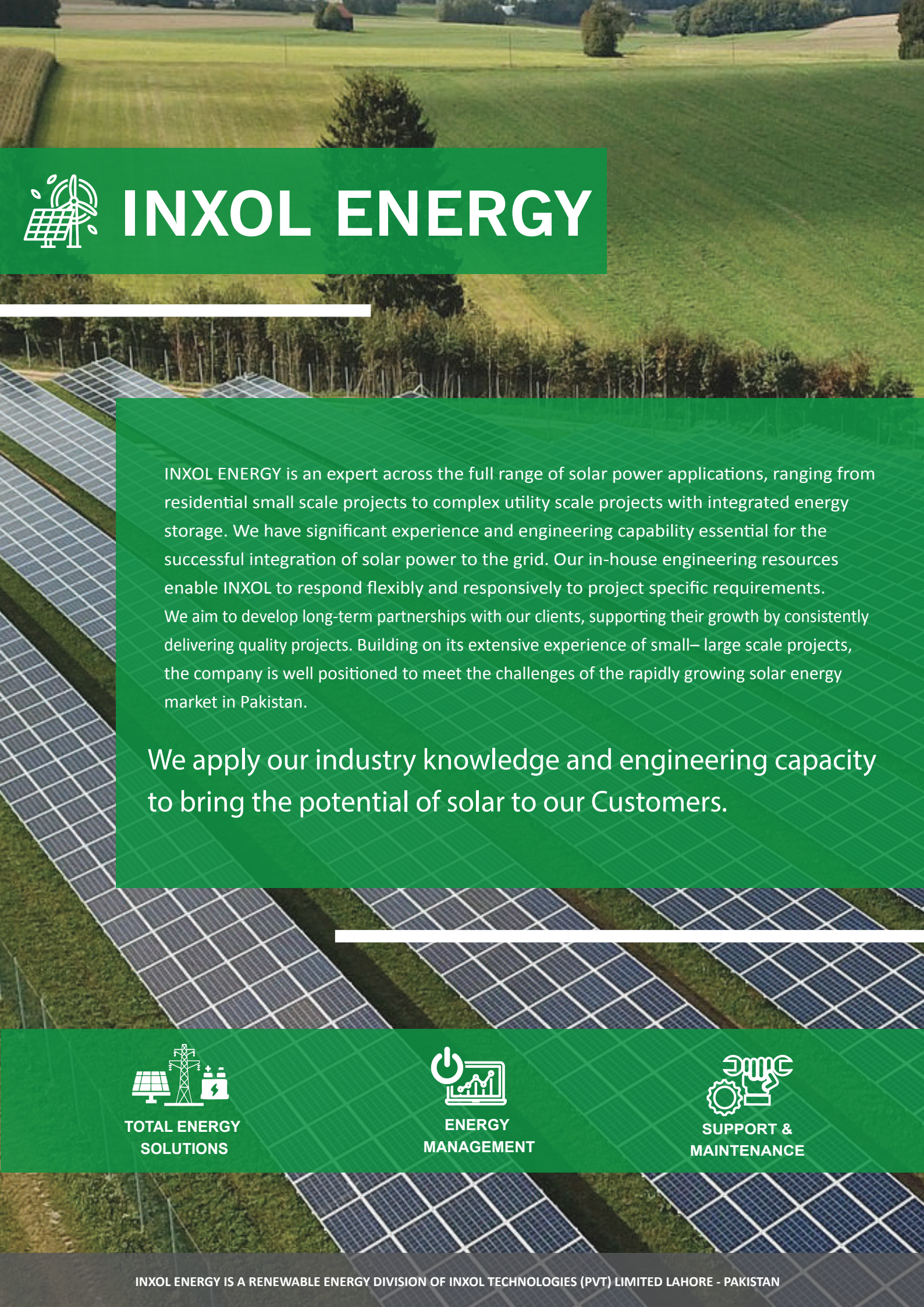


INXOL ENERGY

INXOL ENERGY is an expert across the full range of solar power applications, ranging from residential small scale projects to complex utility scale projects with integrated energy storage. We have significant experience and engineering capability essential for the successful integration of solar power to the grid. Our in-house engineering resources enable INXOL to respond flexibly and responsively to project specific requirements.
We aim to develop long-term partnerships with our clients, supporting their growth by consistently delivering quality projects. Building on its extensive experience of small– large scale projects, the company is well positioned to meet the challenges of the rapidly growing solar energy market in Pakistan.

We apply our industry knowledge and engineering capacity to bring the potential of solar to our Customers.

TOTAL ENERGY SOLUTIONS

ENERGY MANAGEMENT

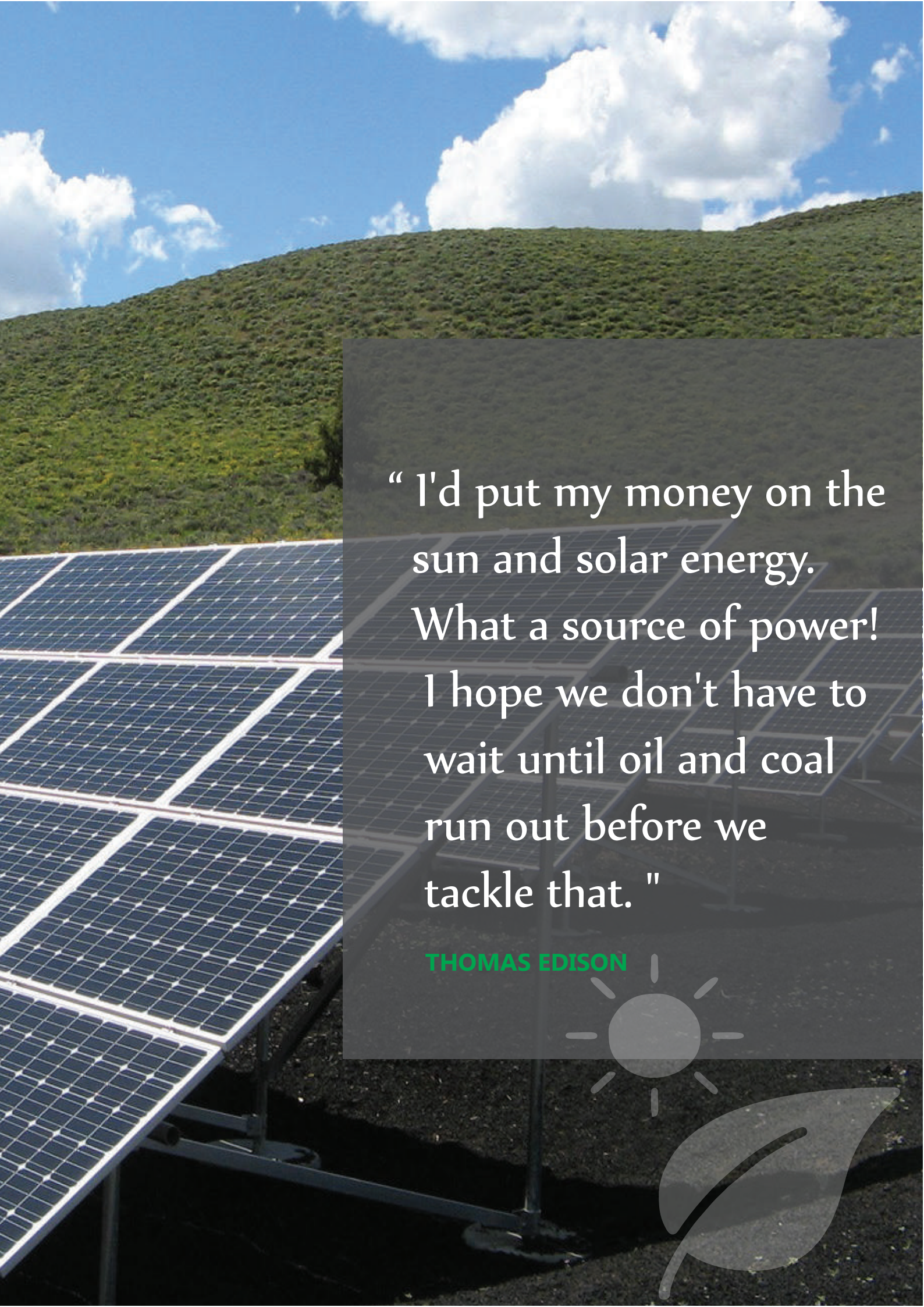
SUPPORT & MAINTENANCE

OUR VISION

To be a global, innovative and competitive renewable energy enterprise catering all the energy needs of our customers by providing total energy solutions, products & services.

OUR MISSION

To be a leading renewable energy enterprise providing high quality, optimised energy solutions with better ROI & competitive prices.

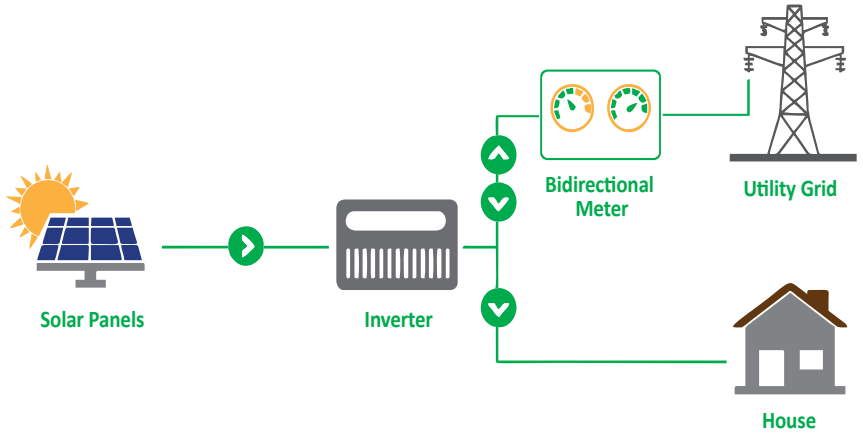

" I'd put my money on the sun and solar energy. What a source of power! I hope we don't have to wait until oil and coal run out before we tackle that. "
THOMAS EDISON

WHY IS SOLAR A SMART INVESTMENT?

- IT'S CLEAN
- ITS RENEWABLE
- IT'S EFFICIENT
- IT'S LONG TERM
- IT'S VALUABLE
- IT'S ECONOMICAL
- IT'S ZERO DOWN
- IT'S REWARDING

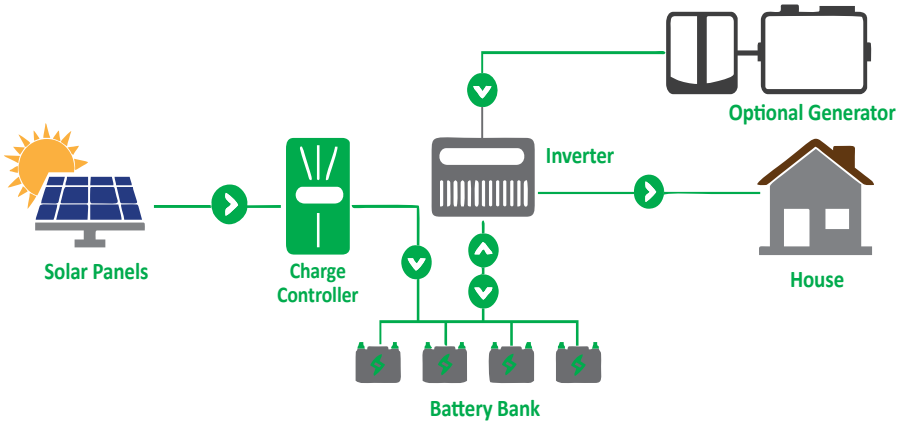
ON-Grid Solar

On-grid or grid-tie solar systems are by far the most common and widely used by homes and businesses. These systems do not need batteries and use common solar invertors and are connected to the public electricity grid. Any excess solar power that you generate is exported to the electricity grid and you usually get paid a feed-in-tariff (FiT) or credits for the energy you export.



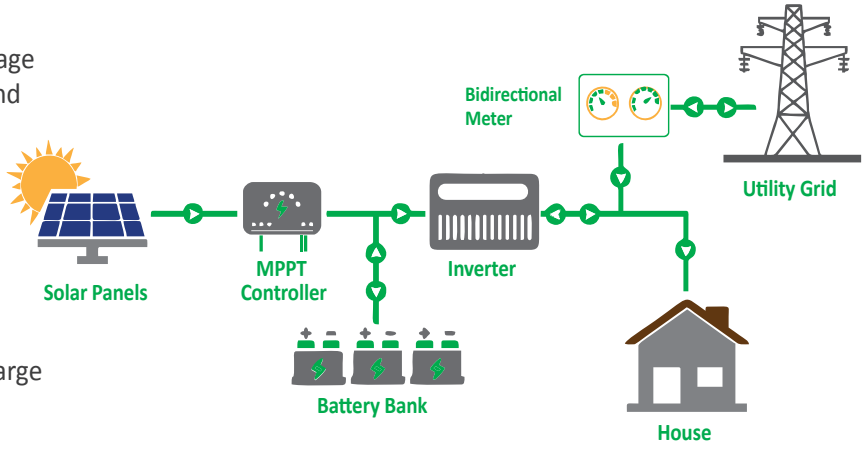
OFF-Grid Solar

An off-grid system is not connected to the electricity grid and therefore requires battery storage. An off-grid solar system must be designed appropriately so that it will generate enough power throughout the year and have enough battery capacity to meet the home's requirements, even in the depths of winter when there is less sunlight.



Hybrid Solar

Modern hybrid systems combine solar and battery storage in one and are now available in many different forms and configurations. Due to the decreasing cost of battery storage, systems that are already connected to the electricity grid can start taking advantage of battery storage as well. This means being able to store solar energy that is generated during the day and using it at night. When the stored energy is depleted, the grid is there as a back up, allowing consumers to have the best of both worlds. Hybrid systems are also able to charge the batteries using cheap off-peak electricity



SOLUTIONS & SERVICES

Residential Solar Solutions

- LOWER to ZERO UTILITY BILLS
- ON-GRID, OFF-GRID, HYBRID PV Solutions
- IMPROVED PAYBACK (< 03 Years)
- EXTENDED WARRANTY (25 Years Panels & upto 10 Years Inverter)

Commercial & Industrial Solar Solutions

- LONGTERM OPEX REDUCTION
- IMPROVED ROI WITH OPTIMISED SOLUTIONS
- REDUCE CARBON (CO_2) EMISSIONS
- SCALABLE HIGH PERFORMANCE SOLUTIONS (KW to MW)

Agri & Farm Solar Solutions

- LONG TERM INVESTMENT (ZERO UTILITY & DIESEL EXPENSE)
- ACTUAL LAND IRRIGATION ASSESSMENT
- SURFACE & SUBMERSIBLE PUMPS
- ISLAMIC BANK FINANCING FOR AGRI SOLUTIONS

Energy Consultancy, Audit & Management

- QUALIFIED ENGINEERS FOR ENERGY AUDIT & CONSULTANCY
- EXISTING PV SOLUTION OPTIMISATION (IMPROVED ROI)
- SMART (IoT) ENERGY MANAGEMENT SOLUTIONS
- REAL TIME MONITORING (MOBILE & WEB APPLICATIONS)

Solar Equipment (Panels, Inverters & Structures)

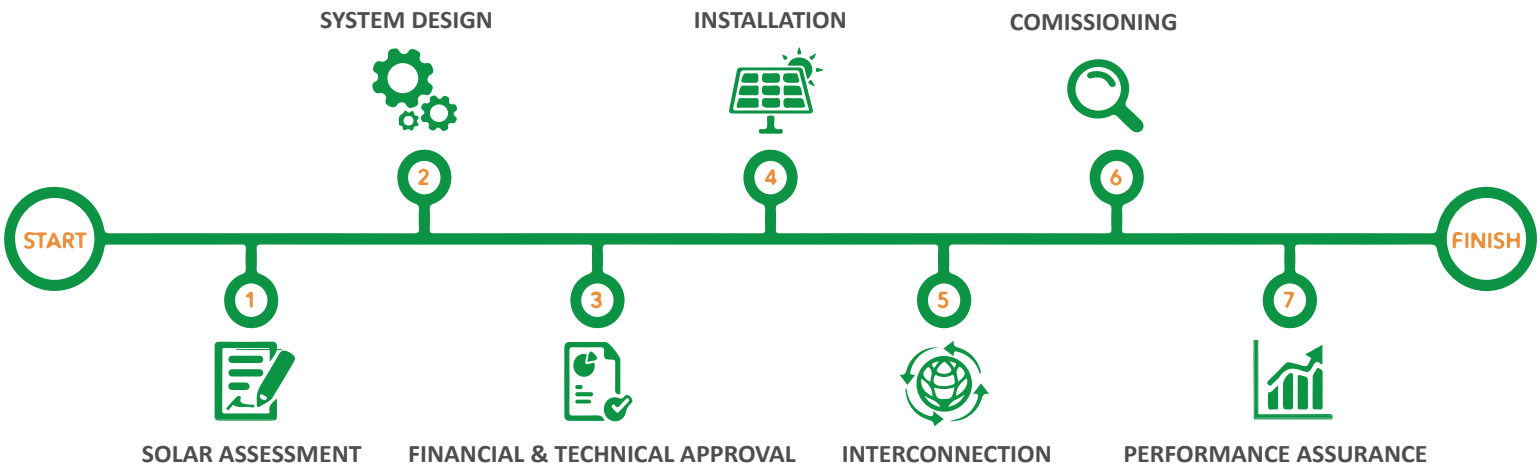
- HIGH PERFORMANCE TIER-1 PANELS (25 YEARS WARRANTY)
- HIGH EFFICIENCY SOLAR INVERTERS (UPTO 97% EFFICENCY)
- WIDE RANGE OF SUBMERSIBLE PUMPS & VFD INVERTERS
- READY TO INSTALL & CUSTOMISED PANEL MOUNT STRUCTURES

Net Metering & Maintenance Services

- AEDB CERTIFIED INSTALLER FOR NET-METERING
- 7/7 ONLINE PV MONITORING SERVICES (SOLAR NOC)
- PERIODIC SOLAR PV MAINTENANCE SERVICES

PROCESS & DESIGN

OUR PROCESS



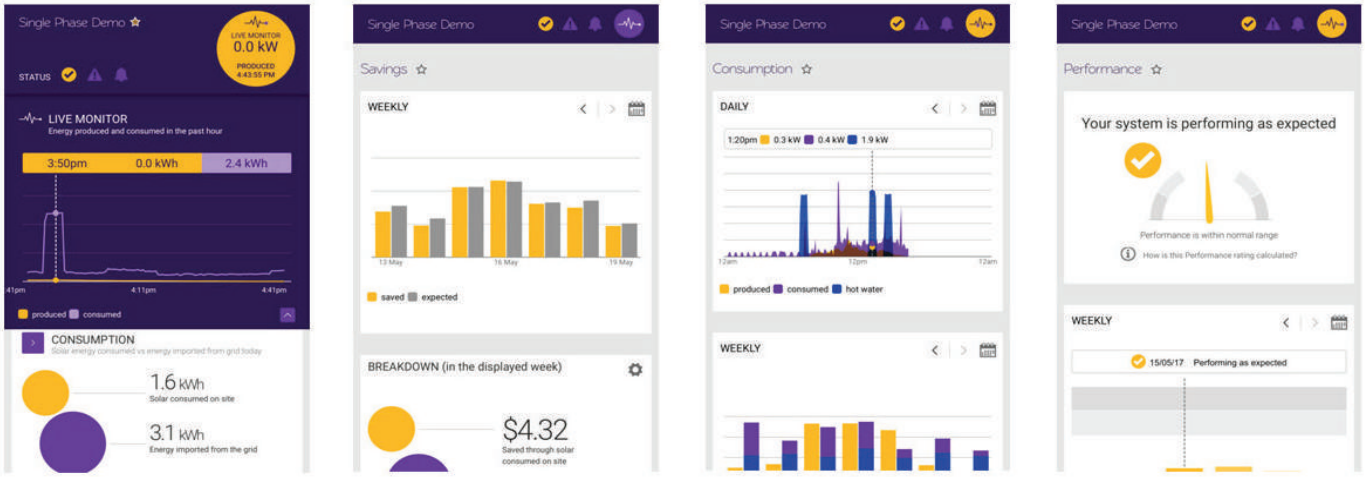
DESIGN & SIMULATION

Based on engineering principals & best industry practices, all the systems are designed & simultaed using HELIOSCOPE, one of the best Solar PV simulation tool; providing our clients with future proof ROI & payback calculations even for the smallest scale PV units. Our proposals include clear estimate of annual electrcity units (kwhr) production & estimated savings over the life of system.

MONITORING & SUPPORT

SMART SOLAR NOC

As a measure of performance assurance and to keep up with the high quality standards; INXOL ENERGY monitors all its installations 7/7 through a Smart Solar NOC (network operations center); INXOL ENERGY teams monitor the PV systems and take proactive measures for timely fault rectification. All our systems also include free mobile/web based application for customers to monitor their system perfromance at their own as well.



TECHNICAL SUPPORT

INXOL ENERGY provides free technical support during first 12-months for all its PV installations & also make periodic quarterly maintenance visits for on-site PV system inspection. We also provide hassle-free, SLA based maintenace & support services for optimum perfromace of existing PV solutions.

BRANDS & ASSOCIATED COMPANIES

INXOL ENERGY DIY kits & ready to install solutions are marketed under the brand names of iTECHSOLAR & RAPID SOLAR. TECHSOLARA SOLARA ENERGY SOLUTIONS & LUMEN SOLUTIONS are associated companies of INXOL TECHNOLOGIES (PVT) LIMITED and forms the technical services divison.

PRODUCT LINE

SOLAR INVERTERS

Fronius

Froinus GmbH is a world leader in solar technology, producing made in Austria inverters. The superior quality comes with higher efficiency & minimal fault ratio. Fronius Symo series is IP65 rated and suitable for both indoor & outdoor installations. All the product range is complemented with online system monitoring tools.

APsystems
ALTENERGY POWER

APsystems ranks no. 2 in global market share among independent microinverter category. APsystems Microinverter technology maximizes power generation for each module in the PV array, boosting system efficiency by up to 20 percent compared to conventional “string” systems. Highly reliable IP67 rated inverter with 10 years warranty.

GOODWE
YOUR SOLAR ENGINE

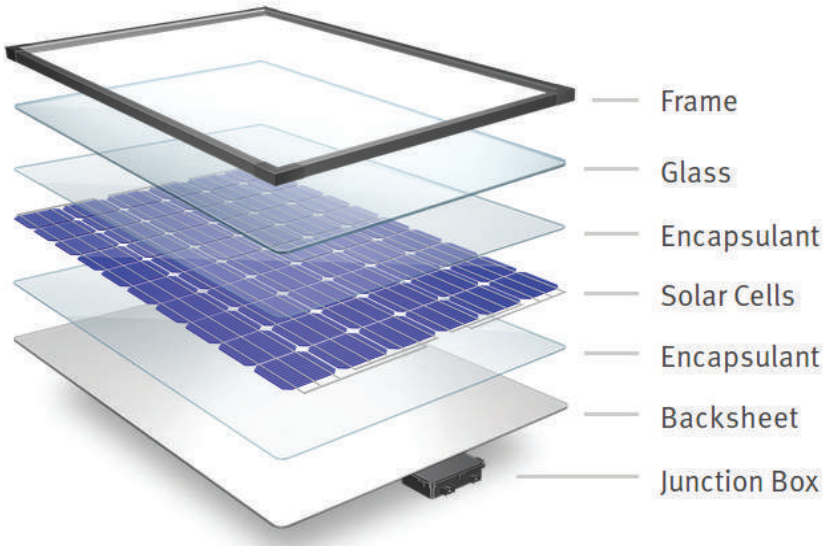
GoodWe solar inverters have been largely used in residential rooftops, commercial systems and energy storage systems. GoodWe is ranked as World Top 10 solar inverter manufacturer. GoodWe becomes the world's first non-European inverter manufacturer to obtain the very prestigious VDE-AR-N 4110-2018 compliance certificate.

SUNGROW
Clean power for all

Sungrow's central inverters offer a very high yield with an efficiency of up to 99% and a high DC/AC ratio of up to 1.5 by employing advanced three-level topology technology. An active cooling system enables peak power output at extremely high temperature. Central inverters fully comply with the IEC 61727 and IEC 62116 standards and are able to withstand and stay connected even during short Low/High Voltage Ride Throughs (L/HVRT) or Frequency Ride Throughs (FRT). Active & reactive power control and power ramp rate controls protect the grid at all times.

PRODUCT LINE

SOLAR PANELS



CanadianSolar

Canadian Solar is the third largest Solar Panel manufacturing company in the world, Canadian Solar Inc. manufactures, designs and sells PV modules almost all over the world. Founded in 2001 in Canada, Canadian Solar (NASDAQ: CSIQ) operates as a global energy provider with successful business subsidiaries in 18 countries on 6 continents. During the past 14 years Canadian Solar has shipped more than 10GW of panels (30 million PV modules) worldwide. Candian Solar panels provide high performance at lower irradiance and provides higher resistance to sand storms, salt mist and ammonia. INXOL Energy uses Canadian Solar's poly crystalline & mono-crystalline PV Modules for most of its installations.

JinKO Solar

JinkoSolar (NYSE: JKS) is a global leader in the solar industry. The Company distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base globally. Jinko Solar is world's 2nd largest crystalline module manufacturer, world's first company to pass PID Free test under 85C/85% RH; passed 5400Pa Test, certified of anti ammonia, anti salt mist, anti sand & dust. All of Jinko Solar modules are backed by industry leading 10 years product and 25 year performance warranty. INXOL Energy uses poly crystalline, high performance poly-PERC and mono crystalline PV modules of JINKO Solar for its installations.

Trinasolar

Solar pioneer founded in 1997, Trina Solar helped change this solar industry, rapidly growing from one of the first PV enterprises in China to become a world leader in solar technology and manufacture. Trina Solar has delivered more than 40 GW of solar modules worldwide, the unmatched level of innovation and technological capabilities of Trina Solar have allowed it to become a global leaders by setting industry benchmarks for both quality and efficiency. INXOL energy uses both poly crystalline and mono-crystalline, 144 cell PV modules of Trina Solar for its installations.

INXOL ENERGY

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