**Shasan Engineering Pvt. Ltd. Web Content**

1. **Home**

Its indicate 4 business with images

1. Renewable energy solution
2. Oil and Gas
3. Industrial automation
4. Engineering solutions
5. **About Us**

Established in the year 2013, we are a prominent player in the engineering, consultancy and training domains. Our firm was founded by an accomplished team of engineers who are experts in various sectors including Renewable Energy, Oil and Gas, Industrial Automation and other diverse disciplines of Engineering. We have unique set of capabilities to provide end-to-end products and services across engineering, designing, consultancy, training and system integration for crude oil (Used Oil) refinery and renewable energy solutions. The portfolio of our services, products and deliverables can be grouped under four heads namely

1. Renewable energy solution
2. Oil and Gas
3. Industrial automation
4. Engineering solutions

**Renewable energy solution**

We have a vast and rich experience in the renewable energy sector to accomplish renewable energy projects comprising of Designing, Engineering, Procurement, Construction, Consultancy, Erection, Installing, Testing and Commissioning, Operation and Maintenance for domestic, retail and corporate customers. Designing, engineering, installing and maintaining solar energy plants is one of our chief specialties and therefore we are a leading Engineering and Consultancy firm for solar roof top system and solar power Plant applications. We have accomplished some phenomenal kind of solar energy projects including solar power plants, solar roof top power plants, grid interactive solar PV system, off grid solar power systems, solar water pumping stations and solar hybrid street lights.

Add option : Read More 🡪 go to solution page

**Oil and Gas**

We are among few competent organizations delivering exclusive kind of Oil & Gas business- engineering, consultancy, Turnkey Solution(EPC) services to oil and gas refinery plants. Our services in this segment aim at significantly enhancing HSE and quality performance. We have acquired a specialized knowledge and expertise in this arena and offer a comprehensive assistance in the construction of all kinds of refinery facilities and supply process equipment for Used Lubrication Oil Refining, Solvent Extraction, Lub Oil Polishing, Hydro Treating and Ethanol Production System. In each of these segments, we have superior capabilities to deliver the design and Process Equipment. Through our high end technical capabilities and engineering skills, we can evolve optimized and highly customized designs, plans and equipment for installing these facilities that will help save on the installation, process and maintenance costs, improve production efficiency and ease the process management.

Add option : Read More 🡪 go to related page

**Industrial automation**

We offer turnkey solutions (EPC) for highly challenging engineering applications. Our specialty arenas include Electro-mechanical integration, Process control System and Integration, OEM Solution Support, System Integration – ABB/AB/SIEMENS, PLC/DCS-Control Panel, PLC/LABVIEW Programming and Industrial Automation solution. Our potential experience in HMI, PC based SCADA development combined with our Front End Engineering Design (FEED) capabilities has enabled us deliver the most innovative kind of technical solutions and deliverables for our corporate clients. We manufacture and market electrical and instrumentation gadgets and control panels for several kinds of industrial applications and automating highly challenging processes besides providing Special Purpose Machine (SPM) and Automated Test Equipment(ATE) Designing services.

Add option: Read More 🡪 go to related page

**Engineering solutions**

We are also experts in diverse kinds of engineering segments including Electrical Engineering, Instrumentation Engineering, Mechanical Engineering, Process Control System Engineering and industrial automation on PLC and Labview platforms. We deliver a broad portfolio of products under each of these segments. Our involved presence in the engineering and energy sectors has equipped us with a vast amount of knowledge, experience, skills and unique capabilities in these arenas that we wish to pass on to businesses at large.

Front End Engineering Design (FEED) is one of our principal capabilities. As part of our FEED services, we can deliver engineering drawings to guide the installation of various electrical and mechanical gadgets, components and process control systems. We can cater to the FEED needs of huge industrial plants and guide any of their challengingprojects.

Add option : Read More 🡪 go to related page

**Training**

Enabled by our vast knowledge, resources, experience and skills across a wide range of industry segments, we too offer several training programs both for students and employees. Some of the special areas of our training programs include designing, engineering, installing, testing and maintaining of Solar Energy, Oil and Gas, Electrical, and Automation systems and equipment. Some of the technology platforms on which we train the candidates include PLC and Labview with hardware and software.

Add option : Read More 🡪 go to related page

**Product**

All our products and solutions are designed and delivered on par with international standards. We strongly believe in constantly updating our technology to be able to deliver futuristic solutions to our customers that have become a hall mark of our company. We have an enviable track record of accomplishing some of the most exigent kind of projects across India that have helped us pool up our achievements and win a prestigious client base that bears testimony to our caliber.

Down the history of our company, our prime concern has been delivering excellent quality products and dedicated services to offer sustainable and innovative solutions at the most competitive prices. We have been significantly increasing our renderings in order to serve the ever rising energy demands of India. Our customer centric approach has helped us provide tailor-made solutions that will best address the specific situation and needs of each of our customers. We have a systematic and highly professional working style that have helped us emerge as the most preferred energy solutions partner for top industry giants, institutions, individual houses and housing projects across the sub-continent.

Add option : Read More 🡪 go to related page

**Vision &Mission**

**Vision**

To be counted among the top global players in offering the complete suite of engineering, automation, instrumentation and alternative energy ,oil and gas solutions to our corporate clients across the globe

**Mission**

Offering end-to-end engineering, process control system, automation, operation and maintenance solutions for all industries through our proven system design, supply, installation, testing and commissioning and manpower outsourcing services

Delivering futuristic products and services to enable our customers bank on clean energy sources.

Applying the latest power condition techniques to improve energy efficiency and minimize carbon footprint thereby furthering environment friendly initiatives.

**Our Core Values**

* Offering sustainable, advanced and reliable designing, engineering, instrumentation, process equipment and maintenance solutions for a wide range of industries enabled by our capabilities in the domains of renewable energy, oil and gas, industrial automation and other engineering segments.
* A professional approach to business with a prime focus on customer needs and satisfaction
* Be a socially responsible organization by furthering environmental friendly practices in the energy sector
* Demonstrating excellence in our products and services to set global industry standards

Still upto indicate in about us page:

1. **Solutions:**

We have gathered a vast amount of experience and enviable capabilities in the solar energy arena. As a top player in the solar energy field, we are involved in the designing, engineering, installing, operating and maintaining a broad range of Photovoltaic solar power systems for residences and businesses. We can render highly cost-effective solar power production solutions across any kind of requirement and serve the needs of massive industrial and commercial establishments. Our huge photovoltaic projects have helped a large number of businesses, housing projects, non-profits and other establishments enjoy accelerated returns. The main line of our products in the solar energy segment includes the following.

* 1. **Engineering Procurement construction (EPC)**
		1. **Solar power plant** Right Side Image

Solar power plant works on the concept of converting sunlight into electricity mainly by employing Photovoltaic (PV) principle or using concentrated solar power (CSP). While concentrated solar power systems make use of lenses, mirrors or tracking systems in order to focus a large area of sunlight into a small beam, Photovoltaic systems converts sunlight into electric current working on the photoelectric effect.

Add option: Get quote 🡪 go to enquiry form with contact detail

Add option: Read more 🡪 go to Design Deliverables pages

* + 1. **On Grid Solar roof top system**  Right Side Image

Our Off-grid systems are installed independently and can cater to the needs of power even in remote locations. The additional components of an off-grid system are a battery bank and generator as the system needs to provide the necessary power from the backup while the panels are not producing any power.

Add option: Get quote 🡪 go to enquiry form with contact detail

* + 1. **Off Grid Solar roof top system Type-2** Right Side Image

On-grid systems are connected to the grid and the consumers can use either the solar power or the grid power as both are available in an integrated way. The amount of power produced by the PV system helps cut down on the power bills. Also, any surplus power produced through the solar roof top system is exported to the grid thereby earning an income to the company.

Add option: Get quote 🡪 go to enquiry form with contact detail

* + 1. **Solar Pumping System** Right Side Image

Solar water pumping systems are independent systems working on the power generated by Solar Photovoltaic panels. The solar panels generate the power necessary to operate the DC surface centrifugal mono-block pump set for lifting water from bore-wells or open wells or water reservoirs. This system can support both surface pumps and submersible pumps.

Add option: Get quote 🡪 go to enquiry form with contact detail

* + 1. **Solar and Hybrid street light system** Right Side Image

These are intelligent, small scale and off-grid lighting systems that enable save on electricity bills. They can be installed in any place where there is no grid connectivity without any need for wiring. You just need to lay the foundation and install the street lamps and watch them glow with the turn of the switch.

We can undertake preventive maintenance, regular cleaning of solar panels, yearly side of the equipment, warranty management, resource management and prediction, reactive repairs, spare parts and inventory management and the other related services your project might require.

Add option: Get quote 🡪 go to enquiry form with contact detail

* 1. **Installation & Commissioning(I&C)**

We are among the leading firms in the arena of solar power plant installation and commissioning. We undertake a wide range of solar PV installation projects of any size for both residential and commercial applications. One of our unique specialties is the customization of the PV power systems as per the requirements and expectations of the clients. We survey the site, clearly ascertain he typical power requirements of the client and suggest the right kind of solution meeting their budget and preferences. The PV solar power installation and commissioning services of our firm include site inspection, system design, material procurement, plant layout, component supply, system assembly, integration, installation and commissioning. Right from the planning to commissioning stage of the project, we demonstrate quality in every step of the project. We only supply the top graded components and materials and accomplish the project in a meticulous manner giving you a good amount of cost saving advantage and top quality performance for a long time.

1. **MMS execution**
	1. Land leveling
	2. Full load test
	3. Survey(TS)- MMS point as per design
	4. Excavation –MMS colum post
	5. Post alignment
	6. Concrete & Pile Foundation
	7. Cube test
	8. Queering for pile foundation
	9. Structure installation & alignment
	10. Module installation & alignment
	11. Degree and torque checking
2. **DC Execution**
	1. Cable trench excavation from string box to inverter room
	2. MMS table to table earth link using GI Flat
	3. Erection of string box mounting bracket and string box
	4. Earth link for string box mounting bracket
	5. Erection of earthing electrode with champers
	6. All earthing electrode linked in 2 X Run GI Flat
	7. XLPE cable laying from SCB to Inverter and termination
	8. SPV module to module connection with dressing
	9. 4/6 Sqmm cable laying from module to SCB
	10. MC4 – connector termination in Field side as well as SCB side with dressing
	11. SPD earth link in SCB from SCB mounting bracket
	12. Erection of Lightning arrestor as per your drawing
	13. Module to module earth link using 6 sqmm cable
3. **AC Execution**
	1. Supply & Erection of 11/22/33 KV Switch yard.
	2. Erection of Transformer, VCB,
	3. Supply & Erection of two pole Structure in consumer side as well as TANGENCO side.
	4. Earthing for Switch yard.
	5. Supply & Erection of Fencing in switch yard
	6. Supply ,Erection of RCC pole, Conductor, Disk, Fin Insulator,
	7. Erection of 11/22/33/KV transmission line
	8. Supply , Erection , Testing & commissioning of bay extension in substation in TANGENCO
	9. **Operation maintenance**

We are the most trusted, capable and reliable company to operate and maintain your solar power plants and ensure optimum power production on a continuous basis. The utility-scale PV industry is today fast growing and therefore has created a huge demand for the operation and maintenance of solar power plants. With our advanced technology, superior capabilities and dedicated team, we can keep your solar power plant performance to meet the desired levels and also meet the regulations applicable. With our all embracing experience in the segment of solar plant operation and maintenance, we can ensure that you leave all your worries and focus on other aspects of your business as we take good care of your solar power systems.

**Why Solar Energy**

Acute power shortage, increase in the cost of conventional power and widespread environmental concerns have moved a large number of businesses to turn towards renewable energy sources for their industrial power needs. Sun light is the most abundantly available sources of energy on the earth’s crust and therefore provides a viable and highly dependable alternative energy source to requirements of any magnitude. Through the advanced technology and equipment available today, we can harvest solar energy in abundance and apply it to power the complete range of industrial processes.

Add option : Read More 🡪 to expand all detail

**The demand in the industry**

Amidst the rapidly surging popularity and demand for solar power generation among households and businesses across all industry domains, the International Energy Agency (IEA) has estimated that by 2050, solar energy will satisfy over 45% of the total energy demands of the world. Solar systems produce the most power during the most needed hour and therefore help avoid brownouts and blackouts on the utility grid. This renewable and domestically harvested energy can reduce our dependence on foreign energy sources as well as fossil fuels. Large numbers of organizations are demonstrating their commitment to green practices by installing solar energy production systems. Therefore there is a huge and fast surging demand in the solar energy segment.

Add option : Read More 🡪 to expand all detail

**Industrial applications**

Solar electricity produced by photovoltaic systems is widely used by households as well as a wide range of industries across several domains including agriculture, telecommunication, construction, manufacturing and water desalination for powering a variety of industrial processes and equipments including lights, pumps, machines, fans, refrigerators and water heaters.

Add option : Read More 🡪 to expand all detail

**Solar energy advantages**

* Sunlight – the source of solar energy is the most available energy source on the earth. It is estimated that just 50 minutes of sunlight can provide enough power to meet the complete electricity needs of the whole world for a full year.
* Solar energy is sustainable for energy consumption and indefinitely renewable until the sun can run out in billions of years.
* Once installed and optimized, solar PV panels require low maintenance and can seamlessly generate electricity for several years with minimal intervention and maintenance. They do not have any mechanical parts that can fail.
* Solar energy assures maximized returns both financially and environmentally. Since there is no emission of pollutants from solar energy production, installation of solar energy systems means a definite advancement in the lines of Corporate Social Responsibility.
* Solar energy can provide standalone capabilities even in the most remote and rural areas for large scale applications.
* When compared to the other existing power technologies, the ongoing operating costs with solar systems are significantly low.
* The government has announced highly generous tax credits to firms that have invested in solar and other renewable energy systems.

Add option : Read More 🡪 to expand all detail

1. **Projects:**

All Project shown in grid view in the order of month –year vis

Click project image 🡪open new tap, 1- tap shown image , 2 Descriptions/Reviews 3, Certification:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.no** | **Descriptions** | **Capacity** | **Customer** | **Location** | **Year** |
| 1 | Solar power plant- ground mounted system | 1mw | Evolve india solar pvt ltd | Kovilpatti-tamilnadu | Jul-16 |
| 2 | Solar power plant- ground mounted system | 12mw | Gamesa renewable ltd | Dinducal -tamilnadu |  Mar-16 |
| 3 | Solar power plant- ground mounted system | 12mw | Gamesa renewable ltd | Hyderabad-badalingpure | Mar-16 |
| 4 | Solar power plant- ground mounted system | 12mw | Gamesa renewable ltd | Dinducal-tamilnadu | Sep-15 |
| 5 | Roof top system-grid tie with net metering | 2kw | Subbian | Chennai-tamilnadu | Aug-15 |
| 6 | Roof top system- on grid system | 40kw | Evolve india solar pvt ltd | Chennai-tamilnadu | Jul-15 |
| 7 | Roof top system- on grid system | 10kw | Evolve india solar pvt ltd | Chennai-tamilnadu | Jul-15 |
| 8 | Roof top system- on grid system | 20kw | Engg coll | Chennai-tamilnadu | May-15 |
| 9 | Roof top system- on grid system | 60kw | Gamesa wind turbines pvt. Ltd. | Kollam-Kerala | May-15 |
| 10 | Roof top system- off grid system | 60kw | Shimato enterprises pvt.ltd. | Tanjore-tamilnadu | Jan-15 |
| 11 | Roof top system-off grid system | 4kw | Shimato enterprises pvt.ltd. | Chennai-tamilnadu | Oct-14 |
| 12 | Roof top system- on grid system | 10kw | Shimato enterprises pvt.ltd. | Thiruvallure-tamilnadu | Jul-14 |
| 13 | Solar water pump | 6hp | Ganesh | Pudukottai-tamilnadu | Jul-14 |
| 14 | Roof top system-off grid system | 2kw | Agni power & electronics pvt. Ltd. | Tamilnadu | Jun-14 |
| 15 | Roof top system-on grid single axis tracking system | 40kw | Aalayam industries | Namakkal-tamilnadu | Mar-14 |
| 16 | Roof top system-off grid system | 6kw | Harith energy solutions | Vellore-tamilnadu | Jan-14 |
| 17 | Roof top system-off grid system | 10kw | Shimato enterprises pvt.ltd. | Kollam-kerala | Jul-13 |
| 18 | Roof top system-off grid system | 5kw | Evolve india solar pvt ltd | Chennai-tamilnadu | Mar-13 |

1. **Products:**

All product shown in grid view

Left side shown Solar, Electrical panel, Instrumentation

Below mention –solar relate product and will send electrical, Instrumentation

1. PV Module

Add option : Read More 🡪 to expand all detail

A photovoltaic module is an assembly of connected solar cells meant to be used as components for larger photovoltaic systems that are installed for generating solar energy across commercial and residential applications.

Ranges from 200Wp to 310Wp

Type:

1. Multi crystalline

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1. Mono crystalline

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Add option: Get quote 🡪 go to enquiry form with contact detail

1. Inverter

Add option : Read More 🡪 to expand all detail

A solar inverter, or PV inverter, can convert the variable direct current (DC) output from a photovoltaic (PV) solar panel into alternating current (AC). This is a very important component in a photovoltaic system that facilitates using ordinary commercial appliances. Solar inverters also feature maximum power point tracking and anti-islanding protection capabilities.

1. Off Grid inverter

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1. On Grid Inverter

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1. Hybrid Inverter

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Ranges from 1KWp to 30KW

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1. Module Mounting Structure

Add option : Read More 🡪 to expand all detail

We can install state of the art module mounting structures both fixed and tilt types to support solar power projects of all types and sizes. The two kinds of module mounting structures we deliver include ground mounting and rooftop mounting structures. Both kinds of structures can be customized for tilt, seasonal movement of the sun and wind load resistance.

1. Ground Mounted type

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1. Roof Mounted type

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1. Single axis tracking type

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Add option: Get quote 🡪 go to enquiry form with contact detail

1. String Combiner box

Add option : Read More 🡪 to expand all detail

String Combiner Boxes are used for land-based solar photo-voltaic (PV) systems that need DC source-circuit combining, protection for faulty and over current and circuit monitoring. This product can group 8,16 or 24 PV strings and needs to be installed between the PV Source and Inverters. These combiners are highly customizable for any kind of requirements.

Ranges from 1KW to 1000KWp

1. Without monitoring system

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1. With monitoring system

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Add option: Get quote 🡪 go to enquiry form with contact detail

1. Power Distribution panel

Add option : Read More 🡪 to expand all detail

These panels range over categories including service distribution boards, meter cabinet, energy distribution panels and data network cabinet meant for all kinds of domestic and commercial application of PV electricity.

1. Without monitoring system

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1. With monitoring system

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Add option: Get quote 🡪 go to enquiry form with contact detail

1. MC4 connector

Add option : Read More 🡪 to expand all detail

MC4 connectors refer to single-contact connectors generally employed in connecting photovoltaic panels. MC4 stands for the Multi-Contact and a 4 mm2 contact assembly pin. With respect to the connector size used, the MC4 connector is UL rated at 20A and 600V maximum. The MC4 connector features a flexible watertight seal and available as 'male' and 'female' type to rule out the chances for wrong connections.

1. MC4 -connector

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1. T-Connector

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1. UV resistant cable

Add option : Read More 🡪 to expand all detail

UV resistant solar cables refer to both flexible single-core and multi-core cables exclusively meant for the wiring of solar installations. These are highly rugged and durable kind of cables with a long service life and are highly resistant to heat, low temperature, oil, abrasion, UV, ozone and weathering.

1. 4 Sqmm UV resistance cable

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1. 6Sqmm UV resistance cable

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1. Battery

Batteries are main components of PV systems and are used to accumulate excess energy created by the PV system and store it to be used at nights and at times when there is no sunlight available. Since batteries can discharge rapidly and give out more current that sources that charge them, they can help in non-stop running of pumps and motors.

1. Lead acid battery

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1. Valve regulated Lead acid battery

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1. Earthing Electrode:

We deliver earthing electrodes for solar power plants and other electrical systems. We can supply both chemical earthing rods and earthing electrodes suitable to your project. Our high end earthing electrodes are easy to install, have excellent levels of conductivity, suitable for all kinds of earthing environments and provide the highest safety standards.

1. GI earthing electrode

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1. Copper earthing electrode

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Add option: Get quote 🡪 go to enquiry form with contact detail

1. **Training Solutions**

We have a rich experience in the engineering and energy sectors. Our team of engineers is from diverse technology backgrounds and they have a rich fund of knowledge, skills and experience. We wish to pass this on for the benefit of the community through some of our most effective kind of training programs. Our training programs are skillfully designed to impart a practical working knowledge with the modules they learn. We orient the students to the evolving technology so that they are transported to the winning edge of their career prospects. The mode of delivery facilitates a sound learning that is easily applicable across some of the most challenging real time work situations when they enter into their careers. Some of the specialties of our training programs include electrical, instrumentation, control systems, industrial automation including PLC, and Labview with hardware and software.

The target groups for our training programs include students, freshers and working professionals. Our training programs are highly customized for the individual needs of the students and are career oriented. We too offer placement assistance enabled by our wide client base comprising of some industry giants in every industrial sector.

1. Solar development program

Add summary about course: those detail will update later

1. PLC/ Labview based Industrial automation program

Add summary about course: those detail will update later

1. **Clients**
2. Gamesa Renewable Pvt ltd
3. Tata power ltd
4. Evolve India Pvt ltd
5. ESSAR
6. JSW
7. Ford
8. L&T
9. TVS
10. Aditya Birla
11. Taviashree petro product
12. Al thouriya oil refining co
13. NTPC
14. Spear Technology alliance India Pvt ltd
15. BGR
16. **Careers**

At Shasan Engineering, we always value talents. We keenly look forward to offering the best working environment to talented professionals in a diverse range of engineering segments. If you are self-motivated and look forward to join a reputed firm that would provide you amazing prospects of skill enhancement and career growth, then we are the right company that can nurture your talents and abilities. We would be happy to see energetic and dedicated professionals as part of our group. If you would like to explore the possibilities of working with us, contact us via email or call us on the dedicated numbers to find out the opportunities we can provide you.

**Current Opening:**

1. **Sales & Marketing Experience : 0-2 years**

**Roles & Responsibility:**

To sale solar related product like solar power plant, solar roof top system(On/OFF Grid), solar water pump etc.,

1. **Sales & Marketing Experience : 0-2 years**

**Roles & Responsibility:**

To sale earthing related product like GI, copper earthing electrode etc.,

1. **Contact:**

Add company contact address detail

sales@shasan.in

service@shasan.in