



Solar **Energy** Systems



SITE SURVEY



PROJECT
PLANNING



PERMITS



PROCUREMENT



INSTALLATION



TESTING AND
CONNECTION



MONITORING
AND
MAINTENANCE

Your
Solution
Partner
on the
Roof



GESTURK Enerji was founded in 2017 in Izmir/TURKEY to operate in a very wide area in the energy sector, particularly to develop photovoltaic (PV) energy systems, to deliver engineering services, to provide turn-key (EPC) services, to supply the materials used in PV systems and to offer the operating & maintenance services for these systems in the most proper and unbiased way.

GESTURK, which has the required infrastructure and the competent staff with implementation experience in the energy sector, is in direct collaboration with solar panel and inverter manufacturers. As a system integrator, it combines quality products, professional engineering and assembly with competitive prices, builds **Solar Energy Systems** and guarantees the trouble-free operation of these plants. Additionally, by being an independent system integrator neither limited by specific manufacturers nor by its own products, it is also capable of flexibly responding to the customer demands as well as plant specifications.

GESTURK, keeping abreast of the latest technological developments, prefers long service-life and highly reliable products in all the demands and projects received. All the products it uses are recognized brands in their sectors.

GESTURK

- R & D
- Technical advisory
- Wholesale and retail sale
- Pre- and post-sale services
- Consultancy services
- Project planning and engineering
- Implementation and integration
- Installation and commissioning
- Turn-key solar energy plants

Please send your contact details to info@gesturk.com.tr to be informed of our latest prices and new products.



**We are taking
the responsibility of
a sustainable energy supply!**

Photo:
Erenli SPP Project

...building the plants with high quality equipments for reasonable prices

The services offered by **GESTURK** is comprised of pre-Installation services such as project development, roof analysis, engineering, technical analysis, technical and financial feasibility, power generation analysis, **3D modeling**, grid connection analysis, procurement & Implementation, follow-up of official licenses and processes, logistics, site organization, Infrastructure, construction, assembly, commissioning services as well as post-Installation services such as technical service, maintenance, remote monitoring, training and cleaning services.

Technically appropriate and economic solutions to meet the needs in each project

GESTURK which keeps abreast of the latest technological developments, prefers long-service-life and highly reliable products in all the demands and projects. For this purpose; It pays special attention to develop technically appropriate and economic solutions to meet the needs in each project.

Please keep in mind that you can provide an additional energy generation up to 10% when the solar panel and inverter technologies are selected suitable to your roof's location, slope and orientation angles and the technical project planning of these major equipments is handled thoroughly.

We feel proud of providing safe and clean energy solutions to our country, the next generations and you, our precious customers.

Photo:
Ege NTA SPP Project



Make your own investment without any risk and under the guarantee of minimum payback period.

Thanks to On-Grid systems, the energy generated during the daytime by the solar panels is pumped to the electricity grid through the grid inverters and therefore the electricity subscriber can have the opportunity to reduce, zero the electricity expenses within a certain period of time or even to move into profit.

On-Grid systems can be used in any place where mains electricity and sufficient solar panel installation area is available.

The main units in such systems are solar panels and grid inverters. Since they can technically be installed in any power scale without any power limit; these systems have a wide area of use from the smallest scale home application to the largest scale solar energy plant (SEP) application. Agricultural irrigation, agriculture and livestock sectors are also some of the

considerable areas of use.

Together with the Renewable Energy Law and the regulations published on the latest official gazette, unlicensed electricity generation from renewable energy resources is now allowed in Turkey.

In this context; in case of an electricity generation surplus, the electricity distribution company shall purchase this excess energy if the subscriber is able to issue an invoice.

We are with you throughout the entire process

Being one of the fastest-growing system Integrators in Turkey, **GESTURK** plans, builds, finances and operates solar energy plants.

Planning and Implementation of turn-key roof-top and open-field photovoltaic systems also fall within the range of its services. On the other hand, as a wholesaler, it provides carefully-selected and tested complete systems and products for on-grid systems and plants.



On-Grid systems can be used in any place where mains electricity and sufficient solar panel installation area is available.

Small (<10kW) On-Grid Photovoltaic Systems

The studies regarding “*The Procedures and the Principles in the Electricity Market on Application for Unlicensed Operation of and Utilization of the Excess Energy by Solar Energy Generation Plants at the Same Connection Point with the Consumption Facility*” which is known as the ‘Roof Legislation’ in public and intend to regulate the applications and post-application procedures for the energy generation facilities found at the same point with the consumption facility and limited with 10kW power have been concluded and the relevant legislation has been published in the Official Gazette and put in effect on 18/01/2018.

The different points between this Legislation and the Regulation on Unlicensed Generation in the Electricity Market (Regulation) and the important matters are listed below:

1. Applications shall be made to the network operator’s central office or provincial office if available. Applications shall be accepted on monthly basis and finalized until the twentieth of the following month.
2. Maximum installed capacity of the generation facility shall be 10kW and the related generation facility shall be also limited with the contractual (power) capacity in the connection agreement.
3. For the generation plants with a consumption capacity equal or up to 3kW, opinion on direct connection shall be created.

4. After the invitation letter for the connection agreement is sent, 90 days shall be given to the relevant person to complete the approval procedures. In case that the relevant person applies to the electricity distributor within the given period, an additional 90-day period shall be able to be granted.

5. The Connection Agreement should be signed within 15 days after the project approval procedures are completed and the energy generation plant should be built and put in operation within one year following the execution of the Connection Agreement.

6. After the provisional acceptance procedures are completed, generation and consumption values shall be hourly measured and set off by a two-way electricity meter and generation or consumption surplus shall be determined for each hour.

7. At the end of each month; if the generation is higher than consumption, generation surplus shall be considered as revenue or, if the consumption is higher than generation, consumption surplus shall be paid as electricity bill based on the applicable consumption tariff.



<10kW On-Grid Photovoltaic Systems

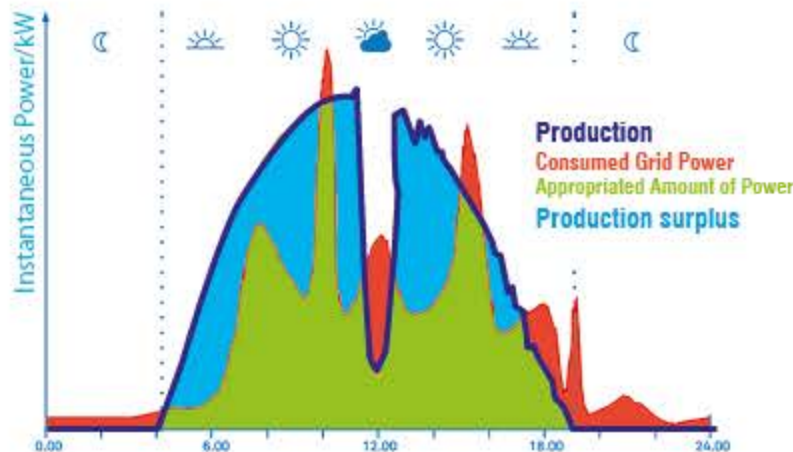


The regulation concerning the on-grid solar energy generating systems with an output power up to 10kW has been published in the official gazette and entered into force on 18.01.2018.

Thanks to the Regulation, the electricity subscribers have been given the opportunity to have solar power generating systems built in a rather short time, thus to lower their mains electricity consumption or totally compensate it by solar power. In case that there is a production surplus, the electricity distributor company shall buy it from the electricity subscriber in accordance with the regulation and without the necessity of issuance of any invoice by the subscriber.

Such a solar power system should be built at the place of consumption with an output power limited with the relevant contractual clause. This brings to fore the electricity subscribers of home and small -scale offices with a convenient roof-top (or facades) in regard to installation of solar power systems.

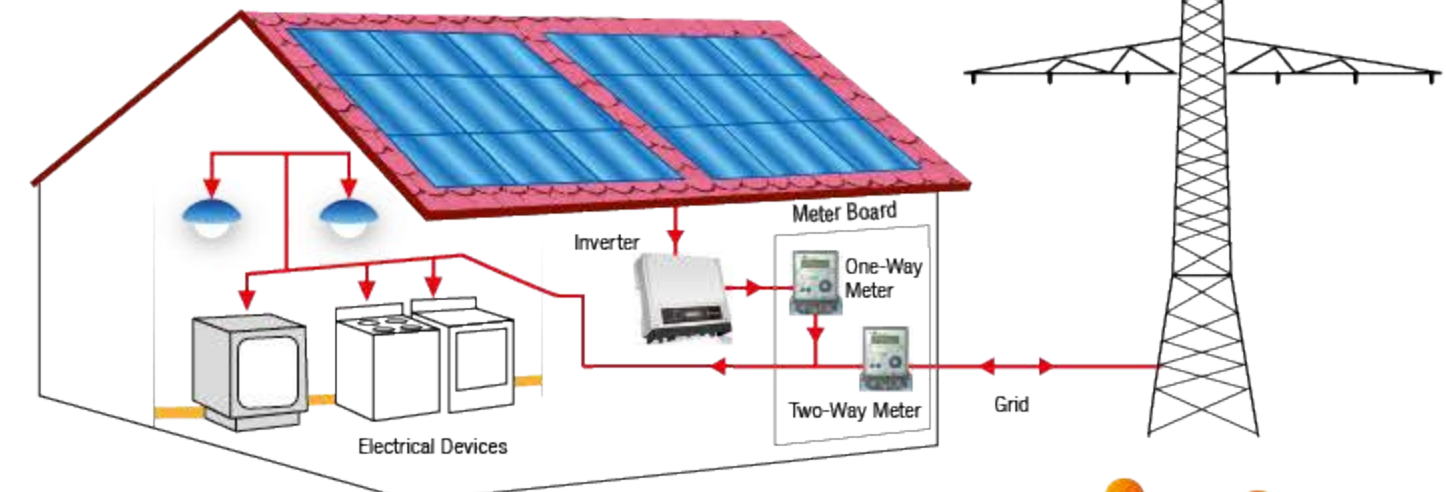
Solar power systems mainly consist of such electrical and mechanical equipment as solar panels, grid inverter, roof-top mounting structures, cables, electrical protection equipment, remote monitoring system, and one-way and two-way electricity meters, etc..



Following the approval of the initial application by the electricity distribution company, the engineering calculations analyzing the roof-top equipments as well as the roof statics are submitted as a file together with the technical drawings to the Tedas regional directorate. (The file should be prepared by the electrical and civil engineers authorized by the government.) After the approval is obtained, the system is mounted, completed and officially approved by Tedas officials on site.

GESTURK, after determining your consumption based on your actual electricity bills, acts under your power of attorney, completes all this procedure, process and montage with its expert staff and delivers it as a turn-key project. The principle connection diagram of the system is as the following:

www.solarevim.com



9.5 kWp
Roof-Top
SPP Project
Guzelbahce
IZMIR

To select the solar system appropriate for your needs, please visit our website.

ÇAKA SPP

214kWp



ÇAKA SPP

214kWp



Built within
the scope
of RDISP*

(*) Rural Development Investment Support Program

ERENLİ SPP

250kWp



Turkey's
first
undrilled-roof
SPP

ÇELİK SPP

749kWp



The first
micro-inverter
open-field
project

UTOPYA-II SPP

890kWp



EGE NTA SPP

585kWp



ÖZGÜN SPP

480kWp



UÇAKLAR SPP

233kWp



(*)Rural Development Investment Support Program

UTOPIYA-I SPP

72kWp



First
JA SOLAR
Project in
Turkey

TURLA SPP

52,5kWp



First
UPSOLAR
Project in
Turkey

EGE ORMAN SPP

500kWp



First
500 kWp
Solar Power
Plant in
Turkey

CEMER SPP

400kWp



HONDA SPP

100kWp



VODOFONE SPP

20kWp



COCACOLA HYBRID

5kWp





“Your Solution
Partner
on the Roof”

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