



ENERJİ MÜHENDİSLİK MÜŞAVİRLİK SAN. TİC.

ΕΝΕΡΓΙΑ ΜΗΧΕΝΙΚΕΣ ΚΑΤΑΣΤΑΣΕΙΣ ΣΑ.Τ.Ε.Ε.

The Sun doesn't make out an invoice!



www.urlsolar.com



about us

We want to introduce you to the power of the sun.

As saying "*Only after the last tree has been cut down and the last river has been poisoned. Only then will you find that money cannot be eaten.*" a wise Indian Chief concisely states the great danger which is ignored or unforeseen by the so-called civilized societies. Even though there is no way for the nature to revert back, we should get a move on and take action as soon as possible in order to make the world a place where we can live longer in peace and to prevent the future disasters the mankind will encounter.

In line with these facts, **URL-SOLAR** is found so as to contribute the use of renewable energy sources instead of fossil fuels for a healthy society and a sustainable lifestyle. Besides taking the solar power as our primary focus, all renewable energy sources are also in our areas of interest.

Our vision is to leave this green world to the next generations as greener than now. In order to do that, we work by taking full account of our corporate, individual and social responsibilities.

What about carrying the sun to your home?



You deserve happiness!



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Sun is at your doorstep



Natural and legal person consumers will now be able to produce on their own the electrical energy they consume and to sell the overproduced energy to the State by means of transmitting it to the electric network. According to the legal regulations, there is no need to have a license anymore for the renewable energy systems such as Solar Energy and Wind Energy up to 500 kW.

As the electrical energy consumed in **houses, offices, hotels, factories, gas stations, greenhouses, irrigation pumps and other such places** may be provided from solar power, it may also be provided from either wind energy or both of them.

Turkey & Sun

The sun is an unlimited source of energy. The sunrays have 10.1 times more energy than the total primary energy needs of all the world.



The sunlight that can meet the world's one-year energy demand, reaches to the Earth in just one hour

Tablo 1: Bölgeler bazında ortalama güneş enerjisi ve güneşlenme süreleri

Bölge	Toplam ortalama güneş enerjisi (kWh/m ²)	Ortalama güneşlenme süresi (saat/yıl)
Güneydoğu Anadolu	1.460	2.993
Akdeniz	1.390	2.956
Doğu Anadolu	1.365	2.664
İç Anadolu	1.314	2.628
Ege	1.304	2.738
Marmara	1.168	2.409
Karadeniz	1.120	1.971

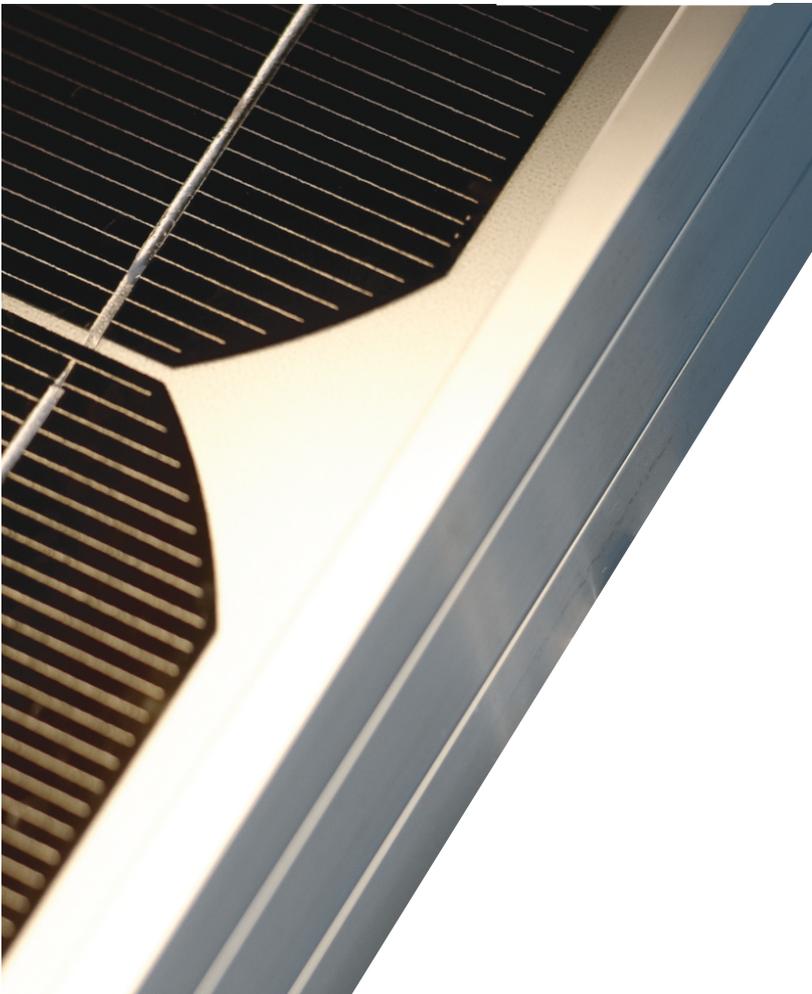
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what are we doing?

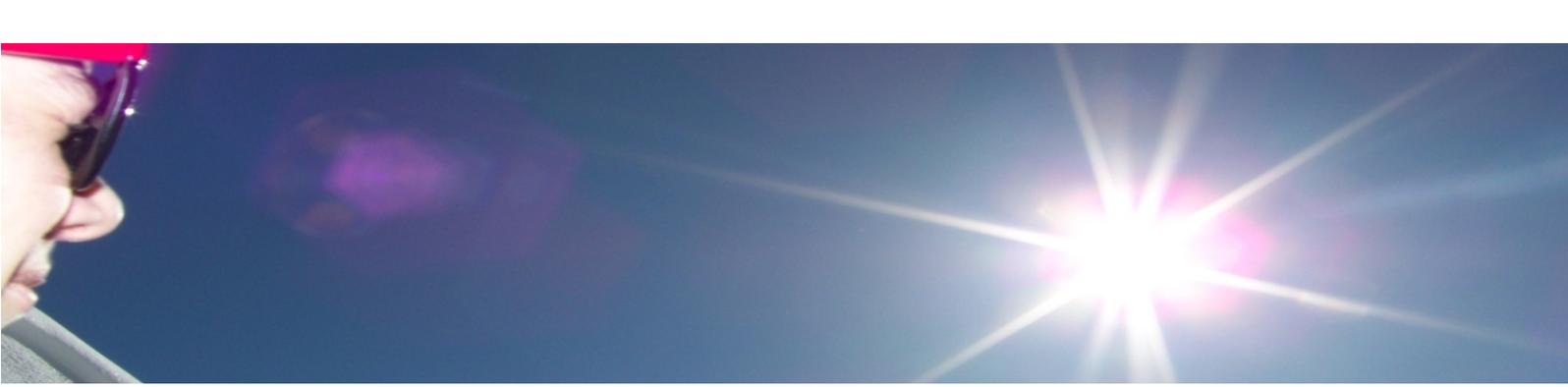
In the industry of license-free solar energy with a 500 KW and below installation power and other renewable energy systems;

With its specialists, URL-SOLAR produces turnkey renewable energy applications for industry, shopping malls, hotels, houses, gas stations, agricultural irrigation areas and animal husbandries while generating customer-specific and project-specific solutions.



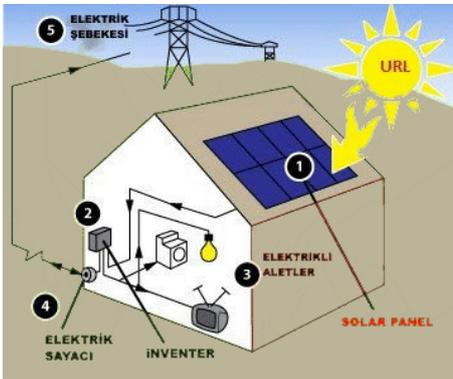
- Consultancy services
- Project development and implementation
- On-grid (grid-connected) system applications
- Off- grid (grid independent) system applications
- Portable system applications
- Agricultural irrigation system applications
- Solar panels, inverters and accessory sale
- Wind Turbine applications
- Hybrid (solar + wind + ..) system applications
- Thermal Applications
- Heat pump applications
- LED lighting





on-grid & off-grid systems

Grid-connected System (on-grid)

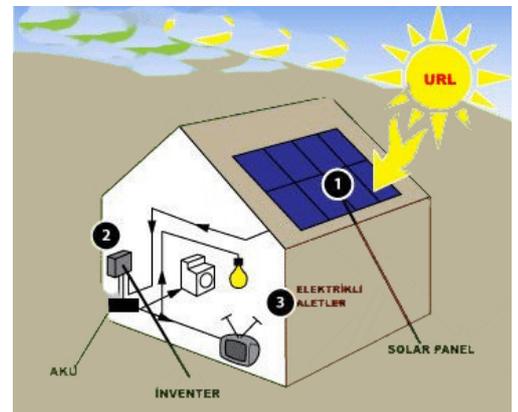


Grid-connected system is a system pumping the electricity generated, to the grid without the need to store it. Thanks to this system, besides selling the surplus production to the State, you can also use energy from grid circuit where the production is insufficient. In other words, the grid can be used as either a receiver or a source of energy. This process will be recorded by a bidirectional counter to be mounted to the system.



Grid-independent System (off-grid)

This system is often used where a grid circuit is not available. Optionally, it can be also applied where a grid is available. The system stores the energy overproduced during the day, into its batteries in order to use it during the night or when necessary.





packet systems

URL-SOLAR produces plug and go packet systems that do not require electrical knowledge. In this way, since installation costs will be minimized, serious savings will be achieved in the system installation costs. As all our designs are modular, they can be both expanded and moved.

We offer easy to mount, cost-effective solutions for rural areas where an electricity grid is not available.

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hybrid system



The electrical energy produced by solar panels and small wind turbines, varies according to the climate conditions. Therefore, they may not be a very rich stand-alone source of energy production. System (wind and solar) Integration becomes much more efficient in producing electrical energy. Systems developed by the integration of such energy sources are called "hybrid system".

Wind speed is generally low in the summer when the sunrays become the strongest and brightest. Energy production by wind and solar energy systems also varies at different times of the day and the year. You may use solar energy as an alternative on days when the wind speed is insufficient or inefficient and also wind energy as an alternative on the days when the sun is insufficient. Thus, the continuity of the energy production in the system is ensured.



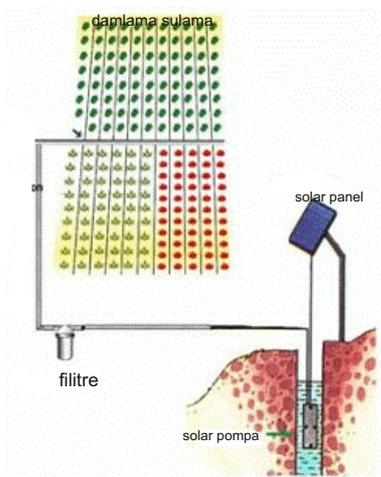


agricultural irrigation

In the rural areas where electricity supply is problematic, solar irrigation systems are the solutions which are cleaner, more efficient, more profitable and easier when compared to the irrigation systems with diesel generators.

Solar Irrigation is a system designed in order to support farmers engaged in agriculture and cultivation and which brings you back the money you paid for it in the long run.

- You only pay the initial investment cost; they have a long service life.
- Maintenance and operating costs are almost nil.
- Lower electrical losses, high efficiency.
- Its assembly is easy, simple and practical.
- Provides a plug-and-forget-it solution.
- Portable, mobile applications are available.
- According to the need, an AC or DC electric production option is available.
- Ideal for the applications such as drip irrigation, storage, etc.
- Environmentally friendly
- They don't send you a bill



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heat pump

By taking the low-grade energy in the ambient, the heat pump converts it into a high degree for heating. There are different kinds of heat pumps such as soil borne, waterborne and airborne.

While 5kw energy is needed for 5 kw heat in the traditional applications, only 1 kw energy is needed for 5 kw heat in the heat pump application. Thus, the heat pump is 3 to 5 times more effective than liquid fuel boilers and much more efficient and economical for residential heating even in the coldest winter

Thanks to its very efficient storing function, the most efficient heat source is the soil. By doing a horizontal (laid) or vertical piping (drilling), the heat hidden into the soil is transferred to the water circulating in the pipes and its energy is used.

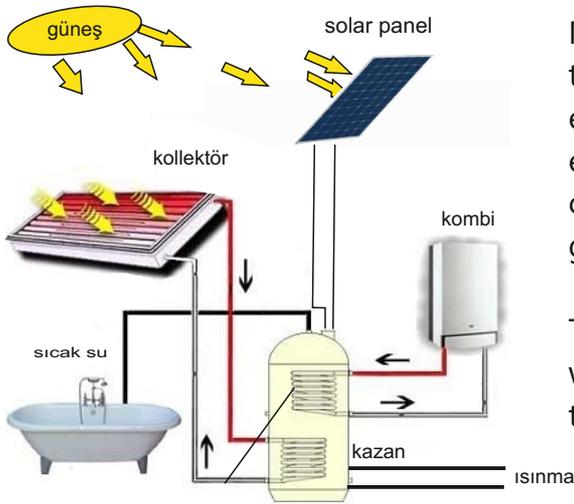
- Heat pumps are unrivaled in economic terms with their lower heating costs when compared to the other heating systems.
- In addition to their lower costs, they do not require any additional security and maintenance costs like other heating systems.
- Furthermore, since the best part of the energy used is available in the ambient, heat pumps are not affected by the sudden increase in gas and oil prices.
- Integration of solar energy and heat pump is an ideal heating system.





Solar heating

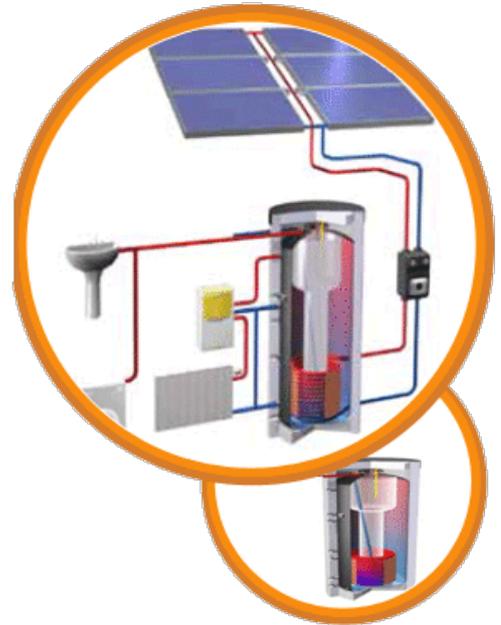
Producing hot water by taking advantage of solar energy is a method used for a very long time.



Now, we can provide both the water and space heating at the same time by combining this technology with the other energy sources. It is possible to contribute to a sustainable environment while saving a great amount of energy by combining many systems such as solar collector, electricity generating solar panel, boilers, heat pumps in a system.

Thanks to the combi boiler line system, while providing hot water to be needed, the hot water produced and stored in the system will also be used for heating the radiators.

Moreover, since the inner side of the water storage tank is coated by enamel, the hot water produced will be of the drinking water quality, and will be used as drinking water whenever needed.



Wagner & Co
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lighting

What is the solution for lighting?



Besides being modern, economic and eco-friendly recyclable, it should be the lighting system of the future. Therefore, it should be LED.

If the future is important to you, you should prefer LED.

The rapidly advancing LED technology will replace the existing lighting systems in the near future. Its high energy saving capability, non-heat dissipating feature, longevity and environmentally-consciousness are among its important characteristics.



These features of LED lighting products are based on their world-class production. Unfortunately, cheap and imitated fabrications produced due to the increase in the market share, cause serious damage to consumers. Thus, production of the straight LED and high-quality LED lighting products, requires high technology and knowledge.

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those who say the future is ours
wherever you are, we're there!

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