

WE GOT OUR LIGHT FROM THE SUN

Carport SPP – Tracker SPP – Field SPP – Roof Top SPP
TURN-KEY SOLUTIONS

10+
YEARS
EXPERIENCE

1.000+
MEGAWATT
INSTALLATION

20.000+
TONS PRODUCTION



sirius 

TECH TEKNOLOJİ



ABOUT US

Our company was established based in Sakarya to carry out surveys, projects and application activities for energy and industrial facility construction by combining previous domestic and international experiences. Our team provides services in Europe, the Middle East, Russia and African countries with its experience and connections gained both at home and abroad.

The key to achieving your efficiency and sustainability goals in the energy sector is through systems reinforced with quality raw materials and equipments. As a specialized supplier of various raw materials and equipments required for solar energy systems, we offer you the highest level of quality and reliability.

Our aim is to be beneficial to the future of humanity by producing solutions suitable for constantly evolving living conditions and technological developments.

OUR VISION

Our company, which has a vision of building a sustainable future with solar energy, is committed to pioneering environmentally friendly energy production and supporting green transformation at the global level by offering turnkey solutions integrated with the most advanced technology to its customers.

OUR MISSION

To accelerate sustainable energy transformation worldwide with solar energy, minimize our environmental impact and add value to society by providing innovative and turnkey solutions to our customers.

WHY ? US

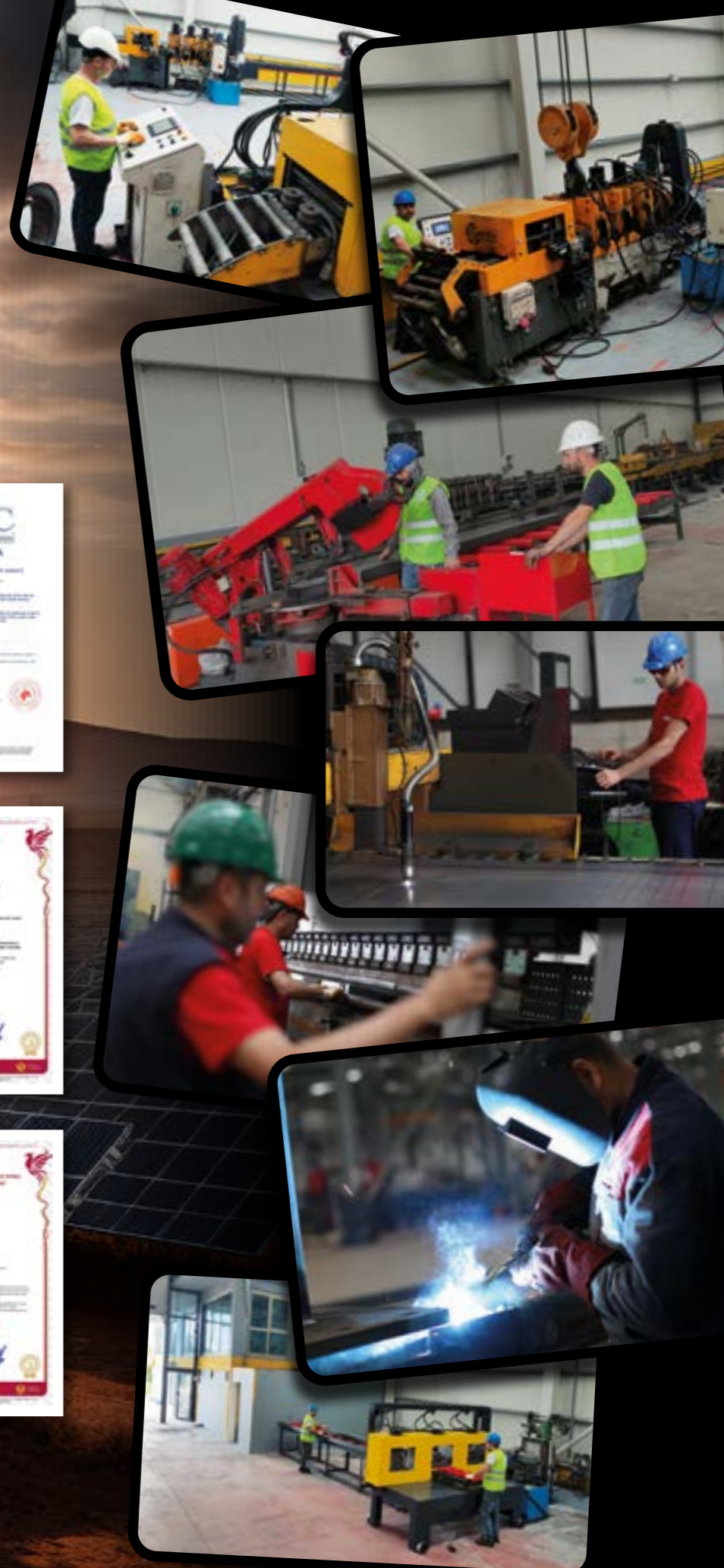
We put our products through industry-standard quality control processes.

We offer excellent quality at the most competitive prices in the market.

We do our best to deliver your orders quickly and safely.

Our expert team works to offer you the best solutions.

We ensure long-term use of our product by taking into account customer feedback about the product.



PROJECT VE CONSULTING



ENGINEERING



We offer special design and project services to ensure the success of your solar energy projects. We maximize your energy efficiency with our projects based on high efficiency, optimum placement and long-term sustainability.

We evaluate the cost effectiveness of your project and analyze financial elements such as payback periods and returns on investment. Thus, we help you make informed and strategic decisions.

We manage your projects in accordance with the necessary legal regulations and speed up your permit processes. In this way, we ensure that your projects are completed on time and smoothly.

We size the system according to the determined energy need and the solar potential of the region. We determine the angles for optimum sunlight reception. While we recommend the fixed system for roofs and fields, we also recommend the use of vehicle parking, single-axis or dual-axis tracking systems and evaluate them together with you.

We create technical drawings such as electrical diagrams, layout plans, panel assembly details. We calculate the system efficiency based on the climatic conditions and solar radiation of the region.

PRODUCTION



By producing approximately 20,000 tons of steel construction since 2013, we continue to improve ourselves by following innovations every year. We provide precise processing of steel sheets and profiles using rollforming, laser cutting or CNC machines or other special equipment in shapes that comply with design requirements and norms. We treat their surfaces with protective coatings against corrosion or by hot-dip galvanizing. We carry out the shaping processes of aluminum profiles using extrusion or special molds. We subject them to special coatings for their resistance to corrosion. The combination of these processes increases the quality and durability of sheets and profiles used in solar energy systems. Additionally, sustainable material selection and energy efficiency are important factors in reducing the environmental impact of solar energy systems.

QUALITY & CONTROL



We establish a quality control process to control the quality of the supplied materials. We follow the compliance and certification processes of incoming materials with international standards. When supplying solar panels, we pay attention to high efficiency and longevity criteria. Inverter supply; We determine it based on high efficiency, durability and compliance with system requirements.

In construction supply, we prefer raw materials that are durable and resistant to environmental effects.

We apply quality control processes during the construction production stages and prevent manufacturing errors.

During production and packaging, we minimize chronic errors by examining every step from supply to maintenance.

PROCUREMENT



Solar energy is the perfect solution for environmentally friendly and sustainable energy production. However, proper planning and procurement are critical to a successful solar project.

The first step is the planning and needs analysis of the solar energy project. At this stage, we determine the size, capacity of the project and the types of equipment to be used.

Based on the needs analysis, we create a list of necessary equipment and materials such as solar panel, inverter, mounting systems, cable, fasteners.

We conduct market research to find reliable raw material suppliers. We give priority to reliable suppliers that offer quality and certified products.

We clarify details such as delivery times and warranty conditions with the selected supplier and supply raw materials to our customers in the most appropriate way.

During the procurement process, we follow the innovative products that stand out in the sector and use them in a cost-benefit relationship.

PACKAGING AND LOGISTIC



Packaging is an important step to prevent solar energy systems from being damaged during transportation. For our customers, we ensure that the products are transported without damage by using safe and durable packaging materials.

Logistics management manages every stage of the supply chain, ensuring that products are in the right place at the right time.

First of all, we optimize the supply chain by making transportation, storage and distribution plans.

We provide stock management of the supplied materials. We establish effective stock control to prevent unnecessary stock accumulation and optimize processes.

We deliver the materials according to the project schedule. During the installation phase, we make sure that the materials are complete and error-free.

We proceed in the Packaging and Logistics phase by taking into account local and international specifications and regulations as well as customer demands.

INSTALLATION APPLICATIONS



We work with a team of experts with many years of experience in the solar energy industry. We understand that every project is unique and we offer you customized solutions. We offer you the best solutions in your projects by following the latest technologies and innovations in the industry.

We use appropriate tools for all operations in the field.

We place the materials we deliver to the sites flawlessly in order of priority within the site.

With the coordination of our engineers and field team, we assemble all construction and solar equipment in accordance with the projects, make the necessary changes where changes are required and process them into our final project.

After the installation of electrical equipment (inverter, transformer, battery, etc.), we prepare the site for the commissioning phase.

COMMISSIONING AND MAINTENANCE & REPAIR



After completing all the checks and commissioning the solar energy system, we check it with the system verification and monitoring system. Through these systems, we can constantly monitor and record power production, energy consumption, voltage and current values. We also evaluate the performance of the system in terms of efficiency and reliability.

Solar energy systems can lose their efficiency without regular maintenance. For this reason, it is important to clean and check the system. Contamination in equipment can block sunlight from reaching the panels or reduce production efficiency. Therefore, we ensure regular cleaning and control of the system. When repairs are required in the system, we intervene quickly by an expert team.

As a result, regular maintenance, rapid repairs and constant monitoring are required for solar energy systems to operate at full efficiency. In this way, the amount of energy obtained from the sun can be maximized and the life of the system can be extended. In order to provide our customers with the comfort of the system, we do not leave them alone after the installation.



**supply and installation
all the equipment , from
solar panels to inverters,
from cables to mounting
systems**



GROUND MOUNTING

- Fixed system
- Tracker system
- Flexible design and production
- Design and production inline with international standards
- W/IPE/Coldform production in accordance with the project
- Hot-dip galvanized
- All components and connections



ROOFTOP

- Sandwich roof top
- Trapezoidal roof top
- Standing seam roof
- On flat roof
- Tile and shingle roof
- All components and connections



CARPOR

- Special design for every project
- Welded production
- Hot-dip galvanized
- All components and connections



**SMART ENERJİ
SOLARGIZE DC
FAST CHARGING STATION**

- Flexible Multi Protocols Design
- OCPP
- Durable Rention
- Data Management and Measurment Options



**SMART-PHONO SOLAR
MONOFACIAL-BIFACIAL
HALF-CUT CELL
10BB PANEL 530-550 W**

- Anti-PID
- Current Classification
- Better Shading Tolerance
- More Trustworthy
- More Power
- 12 Years Warranty
- 25 Years Linear Performance Warranty



**HUAWEI
SMART PV CONTROLLER
5/10/15/20/50/100**

- Aktive Security
- More Efficiency
- Flexible Communication
- AI Suported Arc Defence



**SMA SUNNY
TRIPower / HIGHPOWER
5/10/15/20/50/100**

- 12 MPP Tracer
- Sunclix Connector 24 Row
- Excessive sized PV Rows up to %150
- Supported 2 faces Modulars



**FRONIUS
SYMO
3/6/7/8/12,5/15/17,5/20**

- Smart Tech
- 75 Years of Experince
- Made In Austria
- Strong Partner



ALANYA CARPORT
1.750 KWp



GELENDOST BALCI SPP
9.750 KWp



TEİAŞ ANTALYA CARPORT
220 KWp



SAĞTUR SPP
3.000 KWp



EÜAŞ ANKARA CARPORT
300 KWp



KIZÖREN SPP
21.000 KWp



BELGIUM ROOF TOP SPS
52 KWp



İPEKLER SPP
2.500 KWp



VAN ARISU TRACKER SPP
12.000 KWp



NETHERLANDS ROOF TOP SPS
15 KWp



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