Smart
SOLAR TECHNOLOGIES

TECHNOLOGY
OF THE NEW CENTURY

Solar Technologies **Production**

Turnkey **Solutions**

Investment **Services**

Ev Charging **Services**

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ABOUT US

Since 2009, we have been steadily expanding our field of activity in solar energy technologies with our "Value Engineering" approach. With an annual solar panel production capacity of 2,400 MW at our Gebze and Aliağa facilities, we empower the green energy transition in Türkiye and around the world.

We will increase our domestic solar cell production capacity, currently at 800 MW, to 2,000 MW by 2025, and we remain committed to our investments that strongly support global renewable energy and net-zero targets. Additionally, we aim to commission our domestic wafer production investment with an annual capacity of 1,500 MW in the first half of 2025.

Beyond Türkiye, we strategically contribute to the development of the solar energy technologies sector through our engineering activities in Bulgaria, Romania, Greece, Switzerland, Ukraine, Spain, the Netherlands, and Germany.

Our company, which successfully continued its operational activities, went public in 2022 and realised a successful public offering with 9.5 times demand from a total of 101,755 investors, and we were entitled to enter the BIST100 in a very short time.

OUR VISION

As one of the leading investment and engineering companies in the field of renewable energy, our vision is; adhering to optimum engineering solutions to create a company culture that will provide the best service to our customers and investors.

OUR MISSION

To realize the growth that creates an impact in the solar energy sector by differentiating, to ensure continuous corporate development by taking into account the stakeholder values, to support economic development by contributing to domestic production, to create value for the world with the goal of a green future.

Evaluation made by **JCR Avrasya Derecelendirme A.Ş.** result; Smart Solar Technologies' Long-Term National Institution Credit Rating was determined as "**A (tr)**", and the Short-Term National Institution Credit Rating was determined as "**J1 (tr) / (Stable Outlook)**".

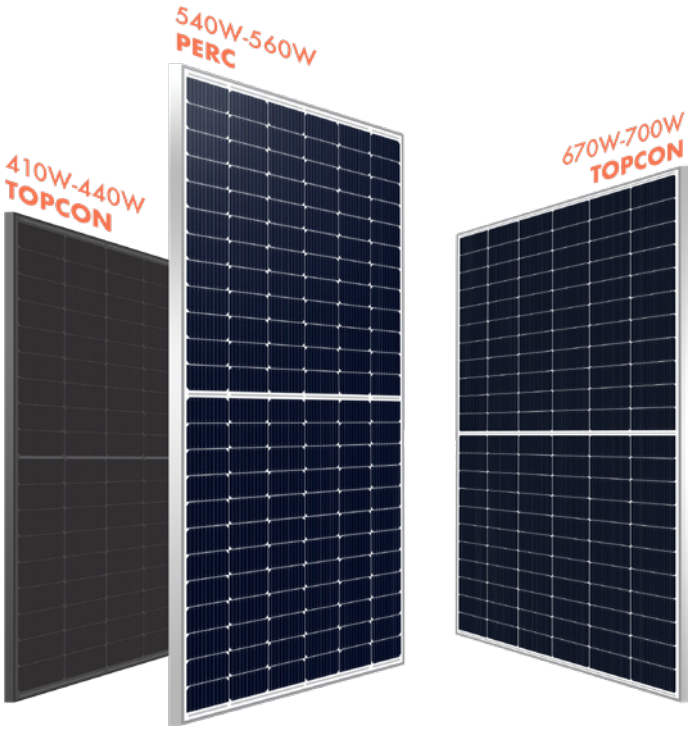
STRONG R&D
STATE-OF-THE-ART PRODUCTION

As we continue our investments with determination, by placing sustainability at the center of our business model, we not only lead Türkiye's green transformation, but also continue to be one of the leading actors in the global energy transformation that prioritizes sustainable growth and environmental responsibility.

1.500 MW*
ANNUAL WAFER MANUFACTURING CAPACITY

2.000 MW**
ANNUAL SOLAR CELL MANUFACTURING CAPACITY

2.400 MW
ANNUAL SOLAR PANEL MANUFACTURING CAPACITY



*It will be commissioned in the first half of 2025.
**800 MW is in operation and 1.200 MW will be commissioned in 2025.

SOLAR TECHNOLOGY PRODUCTION

With our state-of-the-art production facilities in Gebze and Aliağa, we have an annual solar module production capacity of 2,400 MW. We will increase our domestic solar cell production capacity, which is currently at 800 MW, to 2,000 MW within this year. As we continue our investments that significantly support Türkiye's renewable energy and net-zero targets with full pace, we will commission our domestic wafer production investment with an annual capacity of 1,500 MW in the first half of 2025.

Quality & Control

Our products are guaranteed for 25-30 years. For this reason, we place significant importance on our quality control processes in raw materials, production and shipment of products.

Packaging

We prioritize quality not only on the production line but also in packaging. The technical features of the boxes we use help protect the solar panels we produce against bad weather conditions.

Logistics

Our turnkey logistics solutions ensure fast and reliable delivery to your warehouse or construction site.

Research & Development

With our R&D department which we established in 2018, we develop various collaborations with national and international organizations and conduct project negotiations where we make strategic difference in the sector.

Financing & Insurance

Smart Solar Technologies is dedicated to provide the best services to customers in each step.

INVESTMENTS & TURNKEY SOLUTIONS

With the projects we carried out in Southeastern Europe in 2009, we managed to become one of the leading companies operating in the sector. In addition to providing services as an engineering company, we also manage our own investments and since we have first-hand knowledge of all processes, we can foresee and manage our customers' needs correctly.

Engineering Services

With our experience gained from our own investments as Smart Solar Technologies and our strong engineering knowledge, we are aware of the importance of each stage in solar energy investments, from the design process to material selection, construction connections, and commissioning of the field. We operate with this awareness and act accordingly.

Procurement

The close relations established with the manufacturers and the experience gained during the previous installations indicates that Smart Solar Technologies is well positioned to obtain the products and the services as well as being capable of running logistic operations smoothly.

Construction

We transfer the experience of becoming a leading company in the industry by effectively and qualitatively preparing the site, establishing infrastructure, constructing, installing, commissioning, and accepting the system, even in the most challenging terrains and conditions.

Operation & Maintenance

We know that it is of great importance as project design of solar power plants, material selection, construction the efficiency of the power plant is affected by the operation and maintenance activities as well as the process.

Sales Support

Shipping Process: We operate according to the agreed-upon shipment schedule with our customers.

Order Tracking and Control: We strive to quickly meet the demands of our customers.

Customer Satisfaction: Our communication with customers continues within the scope of elements that ensure warranty coverage after the delivery of their orders.

SMART TRACKER SYSTEM

Smart Tracker System is a technology utilized in solar energy power plants, enabling the tracking of the sun's movement for solar panels. This system ensures that solar panels are receive maximum sunlight, thereby allowing them to generate more energy.

Here is a summary of information about the solar tracking system:

Operating Principle: The solar tracking system adjusts solar panels based on the movement of the sun. This allows the panels to follow the sun throughout the day, capturing sunlight optimally.

Types: There are two main types.
Single-Axis Tracking System: Tracks panels only on a horizontal axis, following the sun's movement from east to west.
Dual-Axis Tracking System: Tracks panels on both horizontal and vertical axes, accommodating both daily and seasonal changes in the sun's position.

Advantages:
Increased energy production: Maximizing exposure to sunlight enhances energy production.
Extended operational hours: Provides longer operating hours compared to fixed panels.
Cost reduction: Higher energy production leads to reduced energy costs.

Applications: Commonly used in large-scale solar energy power plants, commercial facilities, and farms.

The solar tracking system is a crucial technology for improving the energy efficiency of solar power plants and obtaining more solar energy.

ABOUT EV CHARGING & STORAGE SYSTEMS

To create a reliable EV charging infrastructure, we established Smart Solargize Green Mobility Energy for the production and management of EV charging units and networks. Solargize provides high-speed charging without any intervention, has dynamic DC power sharing features and also supports contactless payment. The collaboration between Smart Solar Technologies and Solargize combines Smart's green energy with Solargize's green solutions to create a 100% solar-powered net carbon-neutral driving experience, ensuring sustainability.

Our energy storage systems can be used for a variety of applications, from homes to businesses to power grids. They help use solar and other renewable energy sources more effectively, reducing energy costs and increasing environmental sustainability.

Solar power systems can be combined with high-capacity batteries, such as lithium-ion batteries. These batteries store the electricity produced by solar panels and release the energy during periods such as at night or on cloudy days.

Our energy storage systems are combined with intelligent energy management systems. These systems monitor energy consumption, predict energy demand and ensure that the battery uses energy in the most efficient way. Our systems, which provide users with energy independence, can be very useful during power outages or in remote areas where there is no grid connection, helping to reduce the carbon footprint by using energy more efficiently. They enable the use of renewable energy sources in a more regular and continuous manner.

SOLARGIZE

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SUSTAINABILITY

With our 2040 Net-Zero target, accessible and clean energy, decent work and economic growth, gender equality, industry, innovation and infrastructure, responsible production and consumption, sustainable cities and communities and climate. We aim to contribute to all relevant Sustainable Development Goals, in particular action.

Sustainable Development Goals

5 GENDER EQUALITY

The aim is to ensure gender equality and empower all women and girls.

7 AFFORDABLE AND CLEAN ENERGY

It aims to increase the installed capacity of accessible clean energy on a global scale and to reduce the environmental impacts resulting from production.

8 DECENT WORK AND ECONOMIC GROWTH

The aim is to ensure gender equality and empower all women and girls.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

The aim is to establish resilient infrastructures, support sustainable industrialization and strengthen innovation.

11 SUSTAINABLE CITIES AND COMMUNITIES

The aim is to make cities and human settlements inclusive, safe, resilient and sustainable.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

It is aimed to ensure sustainable production and consumption patterns.

13 CLIMATE ACTION

It is aimed to take urgent action to combat climate change and its effects.

SOLAR MODULE REFERENCES

You can review some reference project information using our high efficiency solar panels.
Our customers who preferred us in solar power plants reached maximum energy production in their projects.

BORUSAN EnBW*

Türkiye - Utility SPP
94,0 MWp

ZİRAAT GES*

Türkiye - Utility SPP
63,87 MWp

VAN ARISU*

Türkiye - Utility SPP
55 MWp

DAIKIN

Türkiye - Rooftop SPP
5,7 MWp

SAMSUN

Türkiye - Utility GES
57.28 MWp

*Engineering and construction services were also provided by Smart Solar Technologies.

INVESTMENT REFERENCES

You can review some reference project information from our investments.

Our power plants not only meet the energy needs but also help reduce environmental impacts.

NİĞDE - YEKA 4 BOR-1 GES

Türkiye - Utility SPP

128,0 MWp

TUZLUCA

Türkiye - Utility SPP

11,9 MWp

NATURAL ENERGY

Romania - Utility SPP

5,01 MWp

CHERNI VRAH

Bulgaria - Utility SPP

3,1 MWp

CEF MALU

Romania - Utility SPP

1,8 MWp

ENGINEERING REFERENCES

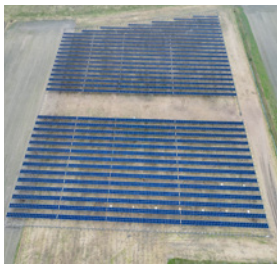
You can review the project information of some of the power plants we have installed on a turnkey basis.

We are proud to meet our customers demands for reliability, efficiency and longevity in solar energy projects.

DESKİ

Türkiye - Utility SPP

90,0 MWp



LÖCKNITZ

Germany - Utility SPP

2.7 MWp

ALBERCAS

Portugal - Utility SPP

21 MWp

BATHMEN

Netherlands - Utility SPP

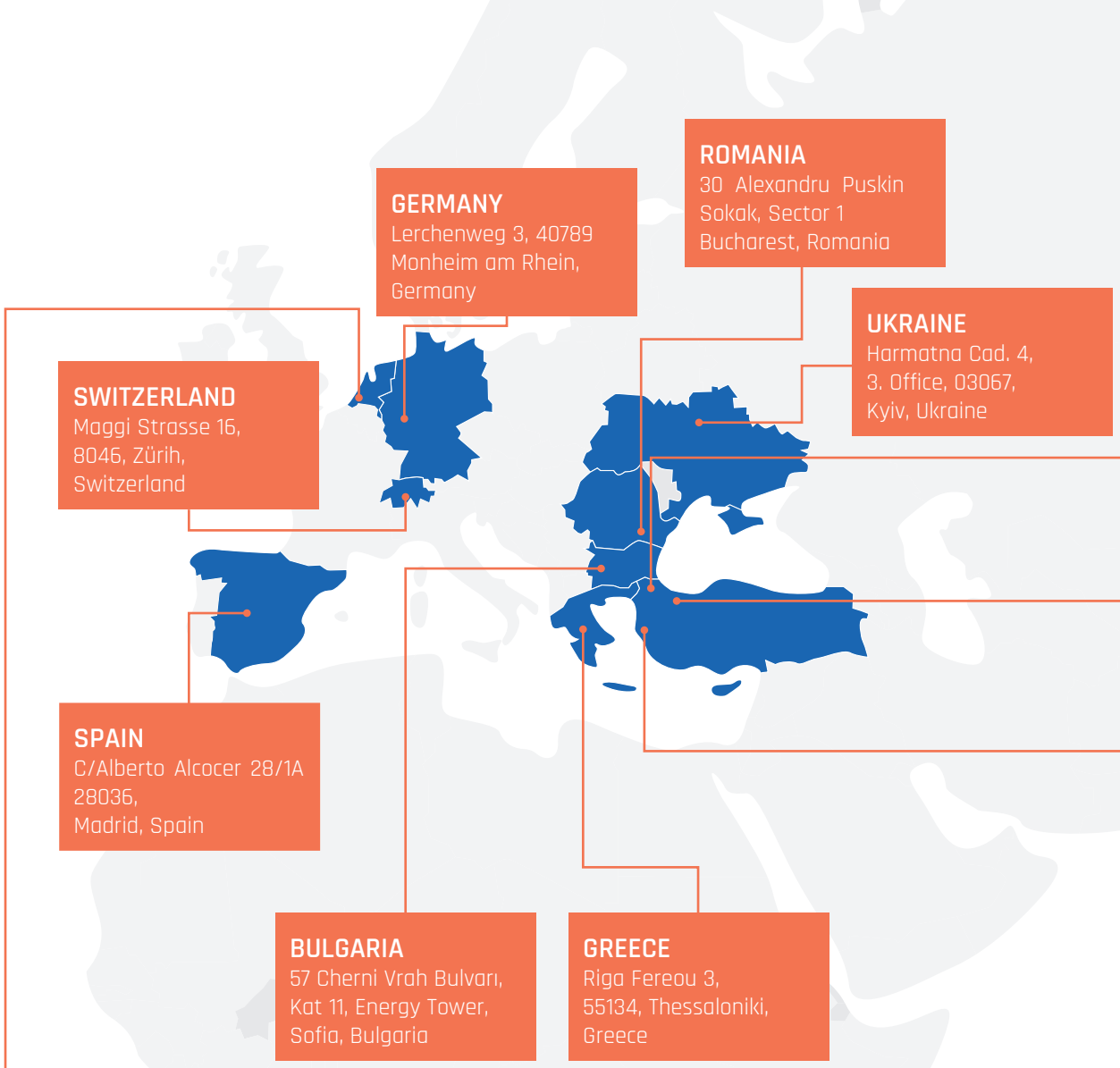
18 MWp

LYASKOVEST

Bulgaria - Utility SPP

18 MWp

CONTACT



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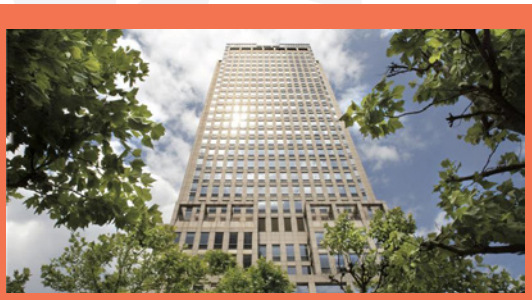

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MEMBERSHIPS

TÜSİAD
GENSED Turkish Solar Energy Industry Association
GÜYAD Enerji Yatırımcıları Derneği
PV CYCLE
ULTRA LOW-CARBON SOLAR ALLIANCE Not All Solar Panels Are Created Equal
GÜNDER
TKYD Türkiye Kurumsal Yatırımcı Yöneticileri Derneği Kuruluşu: 1999
esmc European Solar Manufacturing Council
ENSİA Enerji Sanayicileri & İş Adamları Derneği
SEIA Solar Energy Industries Association®
DEİK Dış Ekonomik İlişkiler Kurulu Foreign Economic Relations Board
tüyid yatırımcı ilişkileri derneği
EuPD Research
solarSTK
immib Istanbul Mineral and Metals Exporters' Association
TUİD Türk Ukrayna İşadamları Derneği
EUEA
YEYKAD® Yeşil Yakalı Kadınlar Derneği

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