





WE TURNED OUR FACE TO THE SUN...





Our company was established in 2009, headquartered in Istanbul. Smart Solar Technologies continues its activities with offices located in Türkiye, Romania, Greece, Bulgaria, Germany, Switzerland, Ukraine and production facilities located in Gebze, Dilovasi and Aliaga.







EPC Provided EPC services 500+ MW installed

VERTICAL INTEGRATION OUR COMPETITIVE STRATEGY

Smart Solar Technologies is active in large parts of the PV Value Chain.

We believe in the future of solar energy and we are expanding vertical integration with the cell production facility which will be realized next year.





Guiding Principles





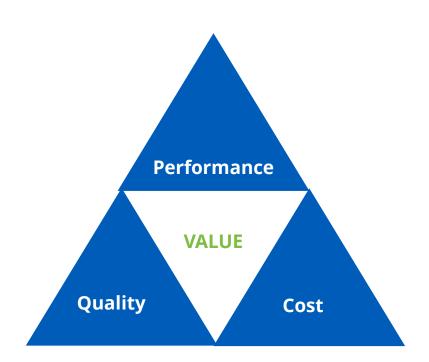




QUALITY MANAGEMENT

VALUE ENGINEERING

With this understanding, we present our perspective that adds value to the sector by developing an engineering strategy that will perfect the performance, quality and cost triangle.

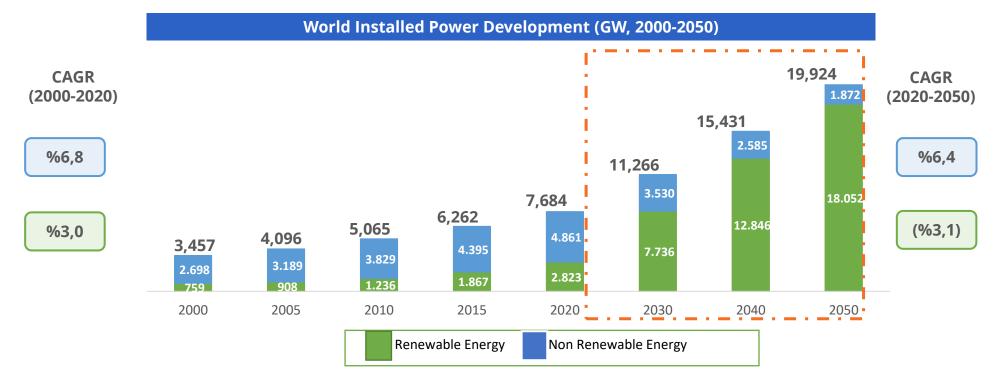


- To be a pioneer in the production and installation of innovative solar module technologies and to spread them
- Unique design according to variable project dynamics within the scope of each project
- First performance evaluation of innovative solar module technologies in our own fields
- Production & cost & quality analysis for different solar panel and inverter technologies, installation systems



Solar Energy in the World

In order to reach the net zero carbon emission target by 2050, it is predicted that electricity generation will depend heavily on renewable energy sources.

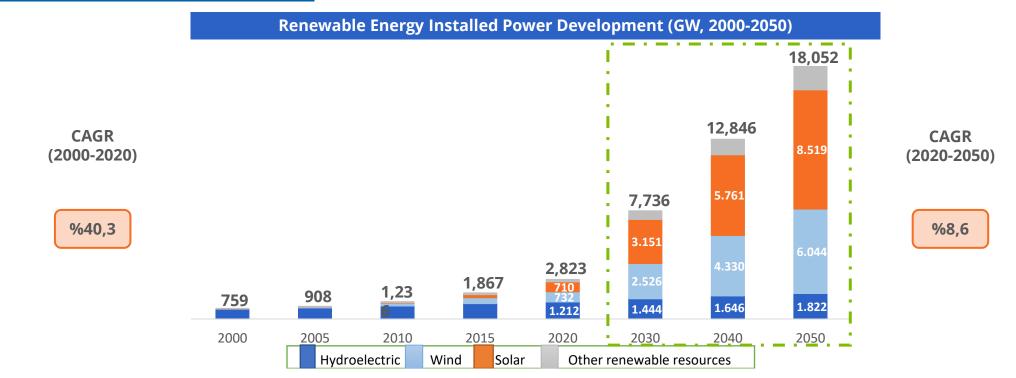


The share of renewable energy sources in electricity generation was 22% in 2000 and 37% in 2020, showing that it will reach 91% in 2050.



Source: PwC Industry Report

Solar Energy in the World



- Increasing the share of renewable resources in electricity generation is very important in terms of decarbonizing the energy system.
- Electricity generation systems from solar energy cause at least 90% less carbon emissions than fossil fuels throughout their life cycle.
- The share of solar energy in the electricity production of renewable energy sources was 0.1% in 2000 and 25.1% in 2020; It is predicted that it will reach 47.2% in 2050.

Source: PwC Industry Report



Solar Energy Sector in Türkiye and in the World

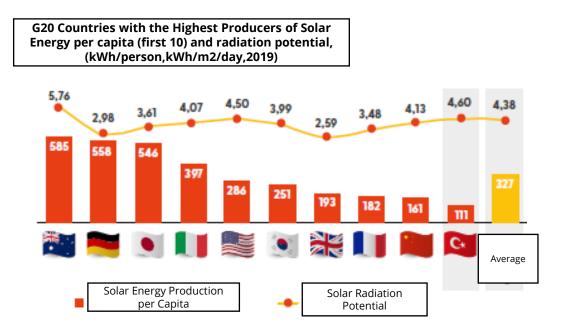
Türkiye, together with Spain and Portugal, are among the top 3 countries with the highest solar energy potential in Europe.

According to the Solar Energy Potential Atlas (GEPA) prepared by the Ministry of Energy and Natural Resources, the average annual total sunshine duration is 2.741.07 hours and the average annual total radiation value is calculated as 1.527.46 kWh/m2. The general potential view in GEPA is given below.





Source: Ministry of Energy and Natural Resources (GEPA)



Türkiye is among the 10 countries with the highest solar energy production per capita among the G20 countries.

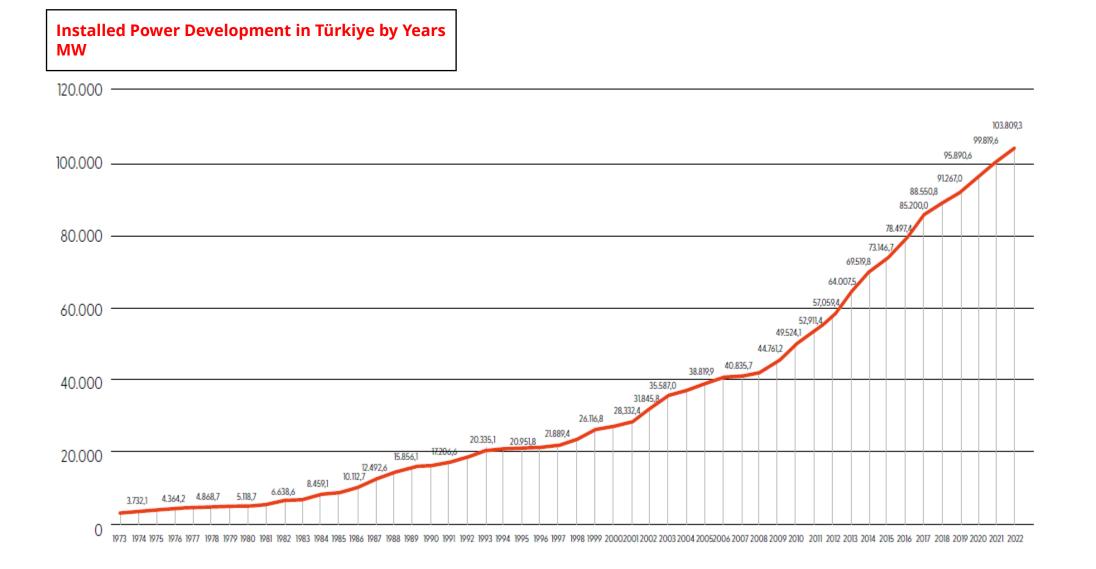
Türkiye's solar radiation potential is higher than all the countries in the ranking, except for Australia.

Above average radiation potential and low investment level compared to G20 member developed countries,

Türkiye's continued solar energy investments in the coming period without slowing down an indication of the need.



Solar Energy in Türkiye

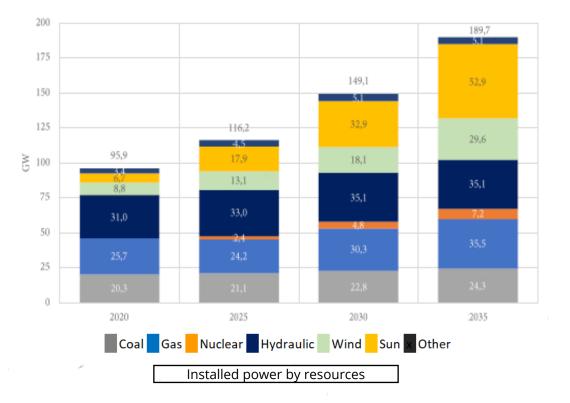




Electricity Installed Capacity in Türkiye

The installed electricity production capacity, which was 95.9 GW in 2020, will increase to 189.7 GW in 2035. The share of renewable energy sources, which was 52.0% in the installed power in 2020, reaches 64.7% by 2035.

Hydroelectric power plants reach an installed power value of 35.1 GW in the medium-long term. Wind energy installed power reaches 29.6 GW and solar energy installed power rises to 52.9 GW.





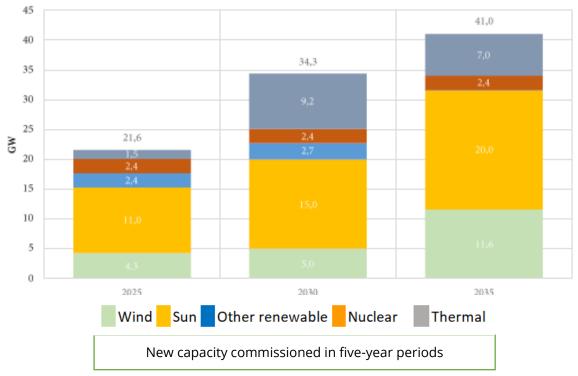
Source: Türkiye National Energy Plan

New Capacity Commissioned in Türkiye

The amount of new capacity to be commissioned in the 2021-2035 period is at the level of 96.9 GW

In terms of five-year periods, a new capacity of 21.6 GW in the 2021-2025 period, 34.3 GW in the 2026-2030 period, and 41.0 GW in the 2031-2035 period should be commissioned.

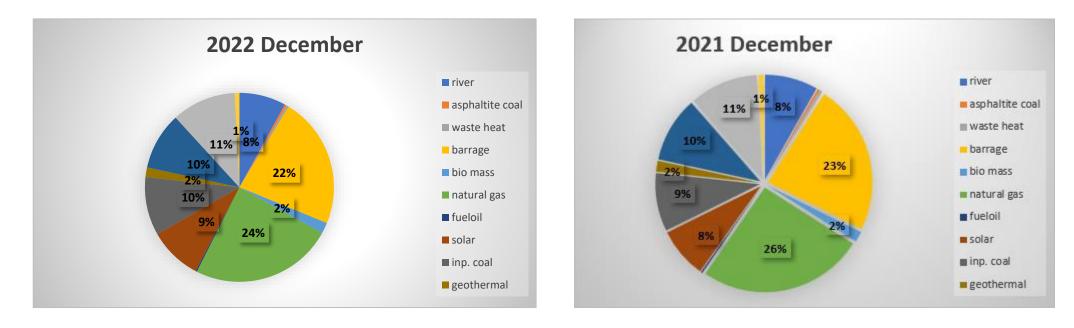
74.3% of the said increase in installed power consists of renewable energy sources, the majority of which is solar and wind energy. The annual new capacity requirement for solar and wind power is 3.1 and 1.4 GW on average, respectively



Source: Türkiye National Energy Plan



Solar Energy in Türkiye



| MW | December 2022 | December 2021 | % Change |
|------------------------------------|---------------|---------------|----------|
| Total Energy Power of Turkey | 103.809 | 99.820 | 4,00 |
| Total Solar Energy Power of Turkey | 9.425 | 7.816 | 20,59 |
| Share of Solar Energy (%) | 9,8 | 7,83 | 15,95 |



Source: TEİAŞ

| | 2025 | 2030 | 2035 |
|-----------|-------|-------|-------|
| Thermal | 196,4 | 201,2 | 173,7 |
| Nuclear | 18,6 | 37,2 | 55,8 |
| Hydraulic | 81,9 | 87,9 | 87,9 |
| Wind | 38,3 | 53,7 | 90,1 |
| Sun | 28,3 | 52,2 | 84 |
| Other | 16,7 | 20,5 | 16,2 |
| Total | 380,2 | 452,7 | 507,7 |

Resources in Electricity Generation (TWh)

Electricity Installed Power (GW)

| | 2025 | 2030 | 2035 |
|-----------|-------|-------|-------|
| Coal | 21,1 | 22,8 | 24,3 |
| Gas | 24,2 | 30,3 | 35,5 |
| Nuclear | 2,4 | 4,8 | 7,2 |
| Hydraulic | 33 | 35,1 | 35,1 |
| Wind | 13,1 | 18,1 | 29,6 |
| Sun | 17,9 | 32,9 | 52,9 |
| Other | 4,5 | 5,1 | 5,1 |
| Total | 116,2 | 149,1 | 189,7 |

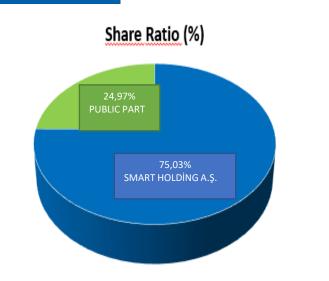
| Share of Resources in Electricity Generation | | | |
|--|---------|---------|---------|
| | 2025 | 2030 | 2035 |
| Thermal | 51,70% | 44,50% | 34,20% |
| Nuclear | 4,90% | 8,20% | 11,10% |
| Hydraulic | 21,50% | 19,40% | 17,30% |
| Wind | 10,10% | 11,90% | 17,70% |
| Sun | 7,40% | 11,50% | 16,50% |
| Other | 4,40% | 4,50% | 3,20% |
| Total | 100,00% | 100,00% | 100,00% |

In Türkiye in the period of 2020-2035;

- Electric installed power; will increase to 189.7 GW in total and 52.9 GW in solar energy,
- The share of the Sun in total electricity production will increase to 16.5%.
- The share of renewable energy sources in electricity generation will increase to 54.7%,



Ownership Structure





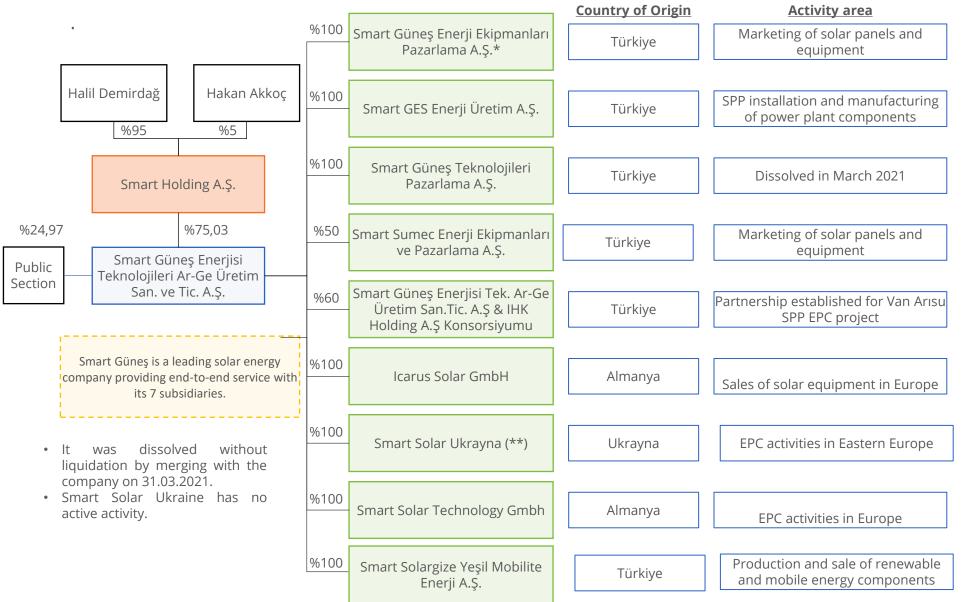
| Partner's Name-Surname/Trade Title | Share in Capital | Currency | Share in Capital (%) |
|------------------------------------|------------------|----------|----------------------|
| SMART HOLDİNG ANONİM ŞİRKETİ | 229.584.000 | TRY | 75,03 |
| PUBLIC PART | 76.416.000 | TRY | 24,97 |
| TOTAL CAPITAL | 306.000.000 | TRY | 100 |

| BIST Ticker | SMRTG | |
|---|--|--|
| IPO Date | 24.03.2022 | |
| Listed Exchanges | BIST 100 / BIST SERVICES / BIST IPO / BIST 50 / BIST PARTICIPATION 50 / BIST PARTICIPATION ALL | |
| Listed Exchanges | BIST ALL / BIST ELECTRICITY/ BIST KOCAELI / BIST 100-30 / BIST PARTICIPATION 100 / BIST STAR | |
| The market in which the capital market instrument is traded | STAR MARKET | |

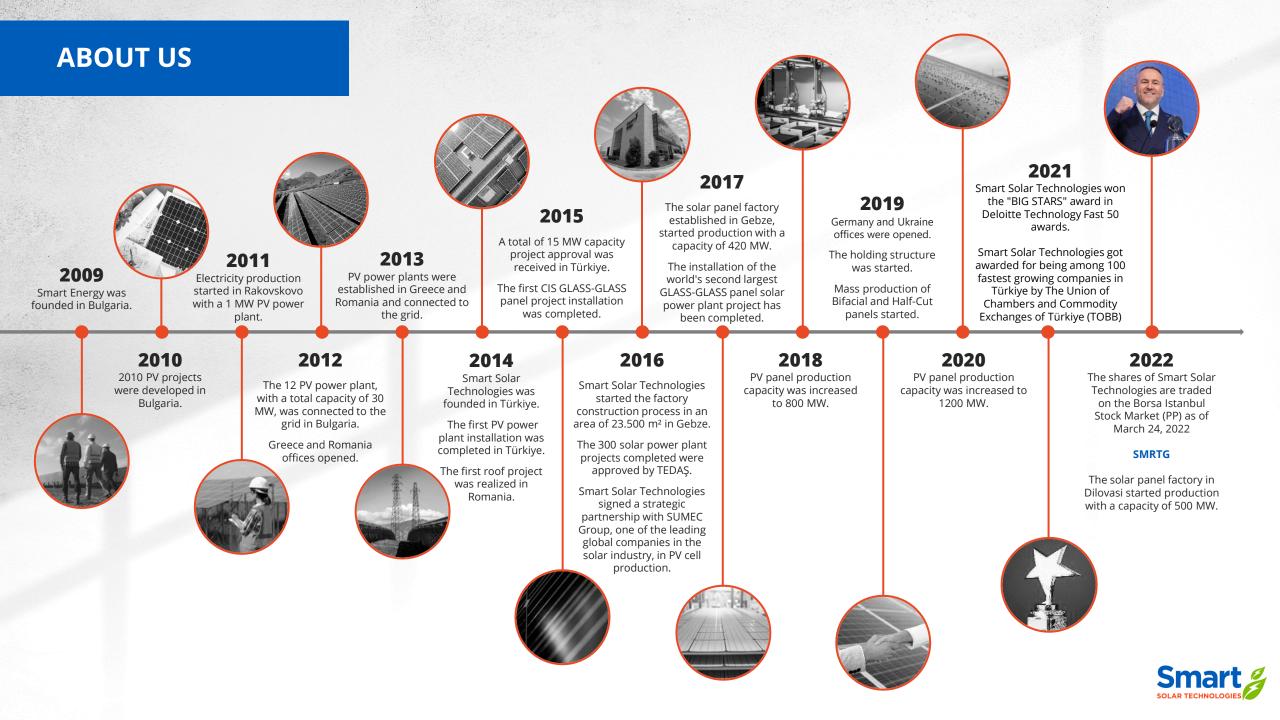


Smart Güneş Corporate Structure

Smart Güneş has 7 subsidiaries in three different countries.







End-to-End Service/Vertical Integration





Engineering and Design

- It covers engineering design services for domestic and international projects.
- A service approach tailored to the needs of the customer with a value engineering approach.

Panel Production

In order to meet the increasing customer demand, Smart Güneş makes investments in panel production capacity increase by using Multi Busbar, PERC, Half-Cut Cell and Bifacial technologies.



Cell Production

- Advantages in working capital and panel production cost
- Minimum 70% 75% locality criteria for projects to be realized within the scope of YEKA
- A production with lower emissions with the reduction of transportation
- Increase in the volume of exports to countries with anti-dumping
- Tax advantage in the US market





PV PANEL PRODUCTION

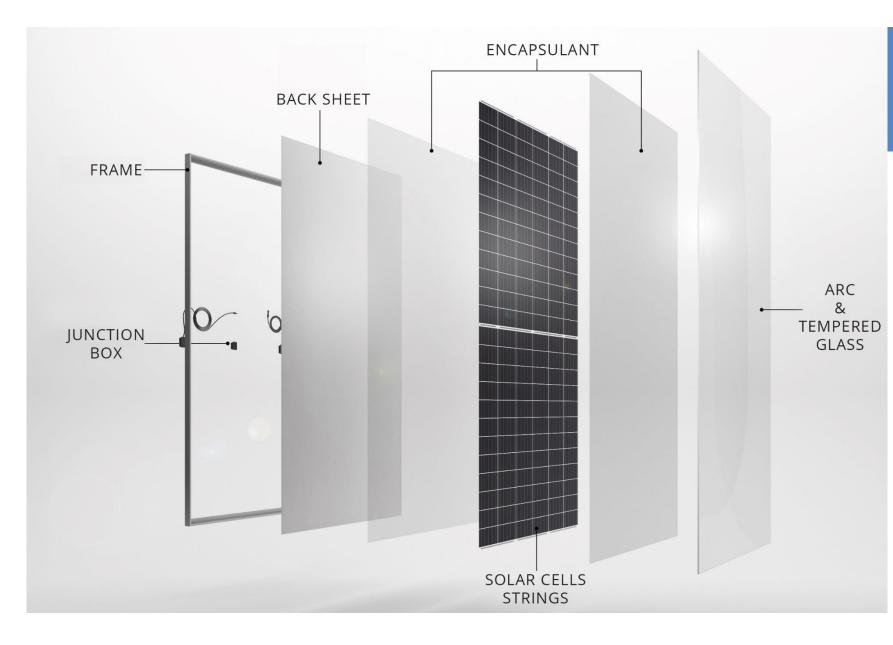
In our production facilities, high efficiency photovoltaic solar panels based on crystalline silicon cells are produced for use in land and roof solar power plants.

High efficiency is achieved in solar panel production by using Multi Busbar, PERC, Half-Cut Cell and Bifacial technologies in our state-of-the-art automatic production lines, with an annual production capacity of 1,700 MW and a closed area of 33.410 m² in Gebze and Dilovası.

Our Aliağa Production Facility, which has a production capacity of 1.200 MW panels and 1.200 MW cells, will start panel and cell production activities in 2023.

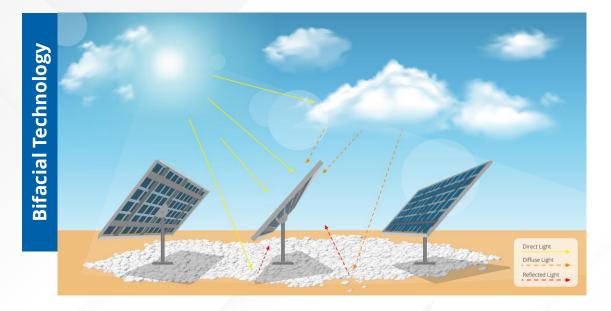
In 2022, a total of 585,250 PV Panels were produced.

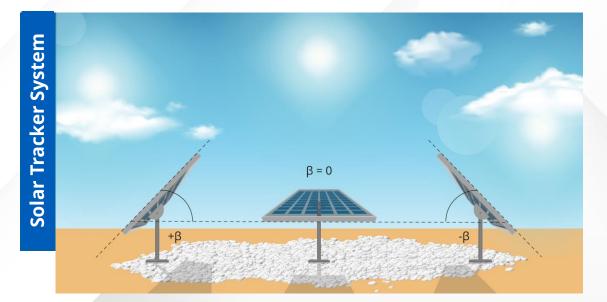


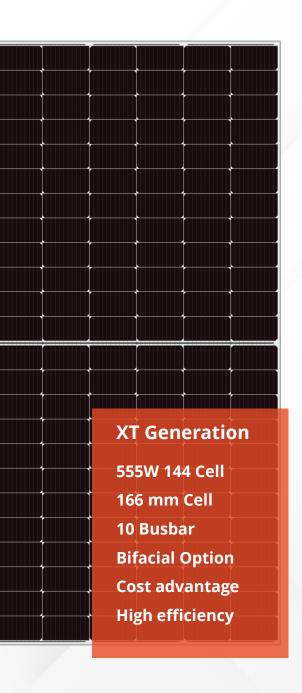


SMART TECHNOLOGY















Doğan Enerji Türkiye

24.690,00 kWp



| Daikin | |
|--------------|--|
| Türkiye | |
| 5.784,00 kWp | |



Birleşim Grup Edikli Türkiye

15.237,12 kWp



Çalık Enerji

Türkiye

957,00 kWp



Akfen

Türkiye

24.201,00 kWp



*Some of our pv module references.







EPC BASIC AREAS OF APPLICATION

Zarge Scale Commercial Field Projects

Medium Scale Commercial and Personal Consumption Based Field Projects

- Roofing Projects for Large and Medium Scale Commercial and Personal
 Consumption
- Hybrid Projects

We are a solution partner with more than 10 years of experience in the installation of 300+ MW solar power plants.

The number of EPC Projects completed in 2022 is 26 and the total installed power is 96.69 MWp.



EPC ACTIVITIES

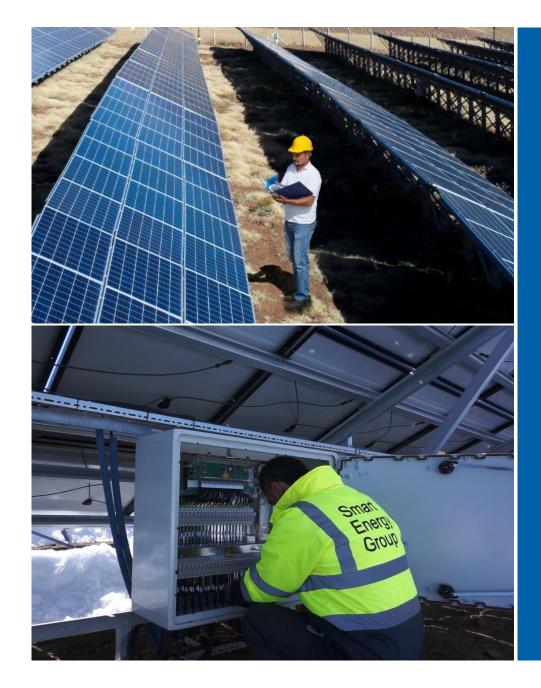
In the PV market, which we entered as an investor in Eastern Europe 14 years ago, we can operate all over the world with the identities of project developer, EPC company, BOT (build/operate/transfer), BOO (build/operate) thanks to the experiences we have gained so far.





Thanks to solar energy, we reverse the global energy deficit, air pollution and dependence on fossil fuels. We carry out risk management with our turnkey services and offer a portfolio of projects to investors within the framework of operational excellence.



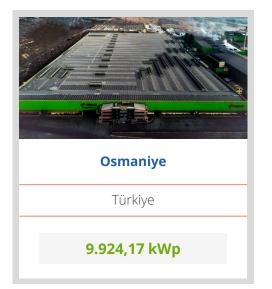


EPC ACTIVITIES

We inspect materials and products upon delivery to the site and prior to installation. We replace defective products and materials with new ones. We protect all materials and equipment that can be damaged, exposed to bad weather and ultraviolet rays. We make sure that sensitive equipment is never exposed to dirt and dust to maintain production warranty and long-term durability. We ensure that specific designs for site, mechanical and electrical works are carried out in compliance with local and European standards and regulations. We provide appropriate packaging to protect all

materials and equipment during delivery.







Şanlıurfa Türkiye

14.400,00 kWp



Slobidka Ukraine 11.000,00 kWp



Türkiye **55.540,00 kWp**



Aksaray

Türkiye

11.796,72 kWp



Mardin Artuklu

Türkiye

10.890,76 kWp

Engineering References

* Some of our engineering references.

Solar technologie

Ongoing investments - Aliağa OIZ Phase-1



□ CONTRIBUTION TO CURRENT DEFICIT

CONTRIBUTION TO EMPLOYMENT *A total of 3000 employees at the end of the investment period

□ CONTRIBUTION TO TECHNOLOGY

□ STRATEGIC INVESTMENT

□ INFLATION LOWERING EFFECT



Project Based Investment Incentive – Aliağa OIZ Investment

Regarding the photovoltaic solar panel production facility investment of our company to be built in izmir with a capacity of 2.048 MW/Year, our incentive application to the Ministry of Industry and Technology, Giving Project-Based Investment Incentive to Investments, accepted with the Presidential Decision No. 6211 published in the Official Gazette which dated 15.10.2022 and numbered 31984.

The projected fixed investment amount subject to the incentive is 7.627.000.000 TL, and the incentive elements that the investment will benefit from are as follows:

a) Customs Duty Exemption,

b) VAT Exemption,

c) VAT Refund,

ç) Corporate Tax Reduction (tax discount rate: 100%, investment contribution rate: 80%, the amount of contribution to the investment in the investment period)

d) Social Security Premium Employer's Share Support (10 years without maximum amount limit),

e) Qualified Personnel Support (maximum 120.000.000 TL),

f) Energy Support (energy consumption not exceeding 100,000,000 TL for up to 10 years from the date of operation 50% of their expenses),

g) Allocation of investment location (Land allocation)



Planned Investments – Aliağa OIZ Phase-2

Within the scope of the PV cell and panel investment to be made by Aliağa OIZ, İzmir (ALOSBİ), a total of 58,309 m2 land allocation covering 4 parcels has been provided, and Ingot, Cell, Panel and Wafer production will be carried out in a closed area of 90,000 m2.





Planned Investments

The company plans to reach a total of 3,600 MW Laser Half-Cut solar panels and 2,400 MW cell production capacity with the investments..

Planned Investments- 2024-2026

| 3600 MW 3600 M Ingot Wafei | 2400 MW New Generation Cell |
|-------------------------------|--------------------------------------|
|-------------------------------|--------------------------------------|

391.4 Million USD Planned Investment Amount



YEKA-4 BOR-1 SPP Investment

On April 8, 2022, our company's 100% subsidiary, Smart GES Üretim A.Ş, won the competition by submitting the best bid in the BOR-1 (100 MWe) tender for the allocation of solar energy-based renewable energy resource areas and connection capacities.

Thus, our Group has included solar energy-based electricity generation into its activities, and it is planned to establish a power plant with a power range of 130-140 MWp against a 100 MWe SPP capacity. The EIA Compliance Certificate of the project has been obtained and necessary steps have been taken in terms of financing. It is planned to enter the field in 2023.

Investment Incentive Certificate for the total fixed investment amount of 1,994,972,280 TL was obtained for the Bor-1 Solar Power Plant (GES) project investment. The support elements foreseen in the said Investment Incentive Certificate are "VAT Exemption" and "Customs tax exemption".





Other Investments

Electric Vehicles Charging Network Establishment Project-Green Mobility

- It was decided to support our application for the "Fast Charging Stations for Electric Vehicles Grant Program".
- •
- Our electric vehicles charging network, which we will run, will be run together with the Solargize brand.
- As Smart Solar Technologies, we plan to continue our investments in this field uninterruptedly in order to provide clean energy to national mobility.
- The electrical energy we will supply to our charging network, which we will serve, will be provided by clean energy with zero carbon footprint from our IREC certified solar power plants. "Smart Solargize Yeşil Mobilite Enerji A.Ş." to carry out the activities of our company on "Smart Urbanism and Green Mobility" went into operation.
- Smart Solargize Yeşil Mobilite Enerji A.Ş. obtained the charging network operator license for 49 years with the approval of EMRA dated 23.02.2023.





To establish a fully integrated (ingot, wafer, cell, panel) solar panel production facility with a capacity of 3,600 MW, to purchase, develop, finance and implement infrastructure and clean technology projects, and manage its own assets, Europe-based green energy company owned by a foundation and the technology company signed a memorandum of understanding (MoU).

The budget of the integrated production facility planned to be established is expected to be 300 million Euros, and it will be the responsibility of the relevant company to provide the necessary financing for the said investment.

51% of which will be involved in engineering, supply and construction services and control activities related to the fully integrated solar panel production facility (ingot, wafer, cell and panel) with a capacity of 3,600 MW in Türkiye and solar power generation plant projects planned to be built in different countries. An agreement was reached on the establishment of 2 separate joint venture companies, the power of which belongs to our Company.

In addition, Smart Holding A.Ş. and the same company, on the investment and operation of a solar energy power plant, which is planned to have an installed power of 1,000 MW in Türkiye and in different countries in the next 5 years, 51% of which will be owned by Smart Holding A.Ş. A separate memorandum of understanding was also signed.

The studies and initiatives of the relevant company abroad continue. The explanation regarding the process will be made in 2023.





FINANCIAL INDICATORS (TL)

| BALANCE SHEET ITEMS | 31.12.2022 | 31.12.2021 | % |
|---|----------------------------|----------------------------|------------|
| Current Assets | 2.284.947.720 | 712.656.851 | 221 |
| Non- Current Assets | 310.720.549 | 105.674.912 | 194 |
| Total Assets | 2.595.668.269 | 818.331.763 | 217 |
| Short Term Liabilities | 1.700.086.572 | 579.082.290 | 194 |
| Long Term Liabilities | 113.916.495 | 38.637.911 | 195 |
| Equities | 781.665.202 | 200.611.562 | 290 |
| Total Liabilities | 2.595.668.269 | 818.331.763 | 217 |
| INCOME STATEMENT ITEMS | 31.12.2022 | 31.12.2021 | % |
| Revenue | 2.199.508.538 | 846.114.782 | 160 |
| Cost of sales | -1.833.403.973 | -711.568.123 | 158 |
| | | | |
| Gross profit | 366.104.565 | 134.546.659 | 172 |
| Gross profit Operating Profit Before Financing Expenses | 366.104.565 299.400.312 | 134.546.659 138.813.620 | 172 116 |
| | | | |
| Operating Profit Before Financing Expenses | 299.400.312 | 138.813.620 | 116 |

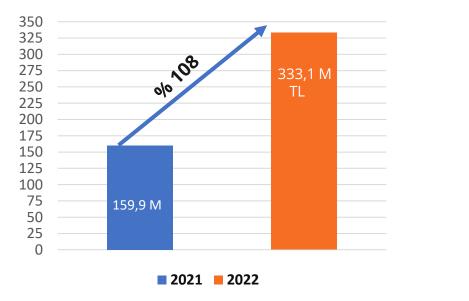


FINANCIAL INDICATORS (USD)

| BALANCE SHEET ITEMS | 31.12.2022 | 31.12.2021 | % |
|--|--------------|-------------|-----|
| Current Assets | 122.200.827 | 53.466.640 | 129 |
| Non- Current Assets | 16.617.583 | 7.928.195 | 110 |
| Total Assets | 138.818.410 | 61.394.835 | 126 |
| Short Term Liabilities | 90.921.986 | 43.445.291 | 109 |
| Long Term Liabilities | 6.092.345 | 2.898.785 | 110 |
| Equities | 41.804.079 | 15.050.759 | 178 |
| Total Liabilities | 138.818.410 | 61.394.835 | 126 |
| INCOME STATEMENT ITEMS | 31.12.2022 | 31.12.2021 | % |
| Revenue | 132.820.564 | 95.176.016 | 40 |
| Cost of sales | -110.712.800 | -80.041.409 | 38 |
| Gross profit | 22.107.764 | 15.134.607 | 46 |
| Operating Profit Before Financing Expenses | 18.079.729 | 15.614.580 | 16 |
| Net Profit For The Period | 14.428.296 | 9.487.660 | 52 |
| Equity holder of the parent | 14.979.327 | 8.999.842 | 66 |
| EBITDA | 20.116.889 | 17.991.991 | 12 |

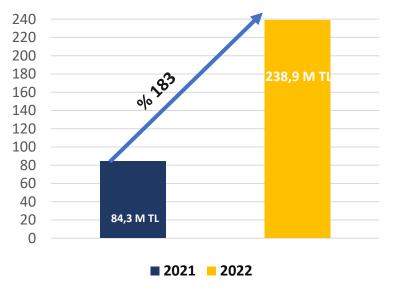


Financial Performance – Key Indicators



EBITDA M TL

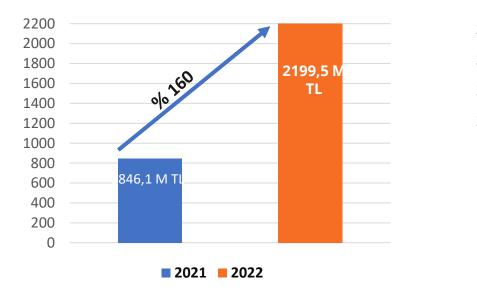
NET PROFIT M TL



As a result of successful and effective operational and operational management, our Company's Profit Before Interest, Depreciation and Taxes (EBITDA) increased by 108% in 2022 and reached 333.1 Million TL. Despite the increased financing expenses due to the investments, the consolidated net profit after successful and effective operational and financial performance increased by 183% in 2022 to reach 238.9 Million TL. Likewise, the consolidated net profit of the parent company increased by 210% in 2022 and reached 248.1 Million TL.

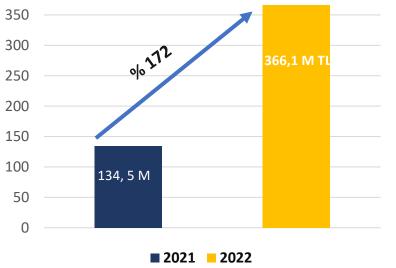


Financial Performance – Key Indicators



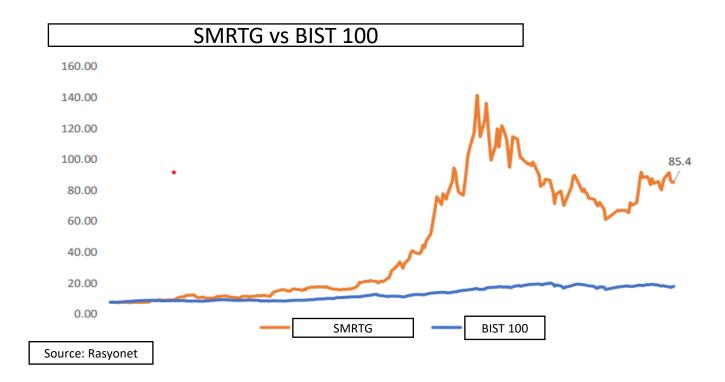
REVENUE M TL

Gross Profit M TL



The revenue of our company in 2022 increased by 160% compared to the previous year and reached 2.20 Billion TL. There has been a continuous increase in the sales amount of our company over the years. Among the main reasons for this increase are capacity increases in production and services, increased efficiency, increased interest in renewable energy and solar energy in our country and around the world, and the increasing awareness and competence of our Company in the country and abroad. In parallel with this situation, the gross profitability has also increased, and as of the end of 2022, it has reached 366 million TL with an increase of 172% compared to the previous period.





- It started trading on March 24, 2022 with a price of 14.00 TL.
- On October 24, 2022, 100% bonus shares were distributed.
- The lowest 14 TL was traded at the highest 141.6 TL (after the split).
- The closing price of the Company in Borsa Istanbul on March 23, 2023 was 85.4 TL and is approximately 1.120% higher than the public offering price. BIST 100 index appreciated by 132.6% during the same period.
- SMRTG started to be traded in the BIST 100 Index as of October 1, 2022, and in the BIST 50 Index as of January 1, 2023.

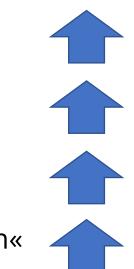


REVENUE: 6,5 Billion TL

EBITDA: 1,1 Billion TL

EBITDA % : 16,9%

INVESTMENT AMOUNT: 1,5 Billion TL "+/- 100 Million«



Average USD Currency Expectation: 20.4



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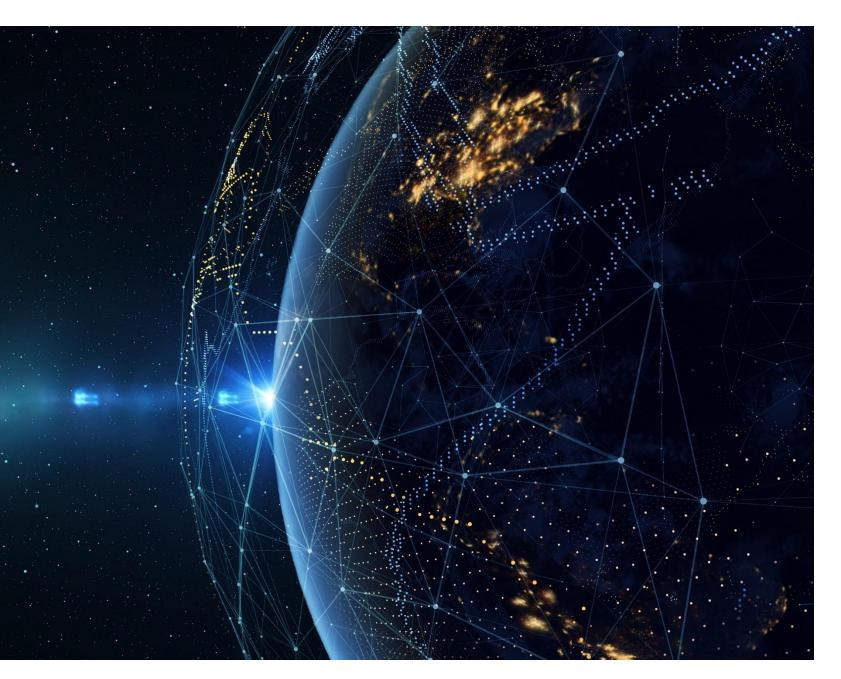
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This presentation has been prepared for informational purposes only, and contains forward-looking statements and statements that reflect the current views of the Company management regarding certain future events. The expectations and projections contained in these statements, although believed to be reasonable, are based on a number of assumptions. Various changes and variables that may occur in these assumptions may cause actual results that will differ materially from those estimated.

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Offices

Germany Bulgaria Switzerland Romania Türkiye Ukraine Greece

Countries we export to

Germany Austria Bulgaria Georgia Iraq Spain Italy Greece Ukraine



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Dilovası Production Factory

Çerkeşli OSB Mah., İMES 10. Cad., No:3 Dilovası/Kocaeli **T:** + 90 262 673 71 71

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