



2023 PRESENTATION



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.







WE TURNED OUR FACE TO THE SUN...





INVESTMENT In operation 150+ MW



EPC Provided EPC services 500+ MW installed

뜨습 PV MODULE PRODUCTION

00000

Production Capacity 2.9 GW

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.



CELL PRODUCTION Foduction Capacity 2 GW (First phase 600 MW 2024 Q1)

ABOUT US

Guiding Principles



QUALITY MANAGEMENT







INVESTMENT OF KINDNESS

Our Awards



JCR Avrasya tarafından gerçekleştirilen kredi derecelendirme süreci kapsamında,

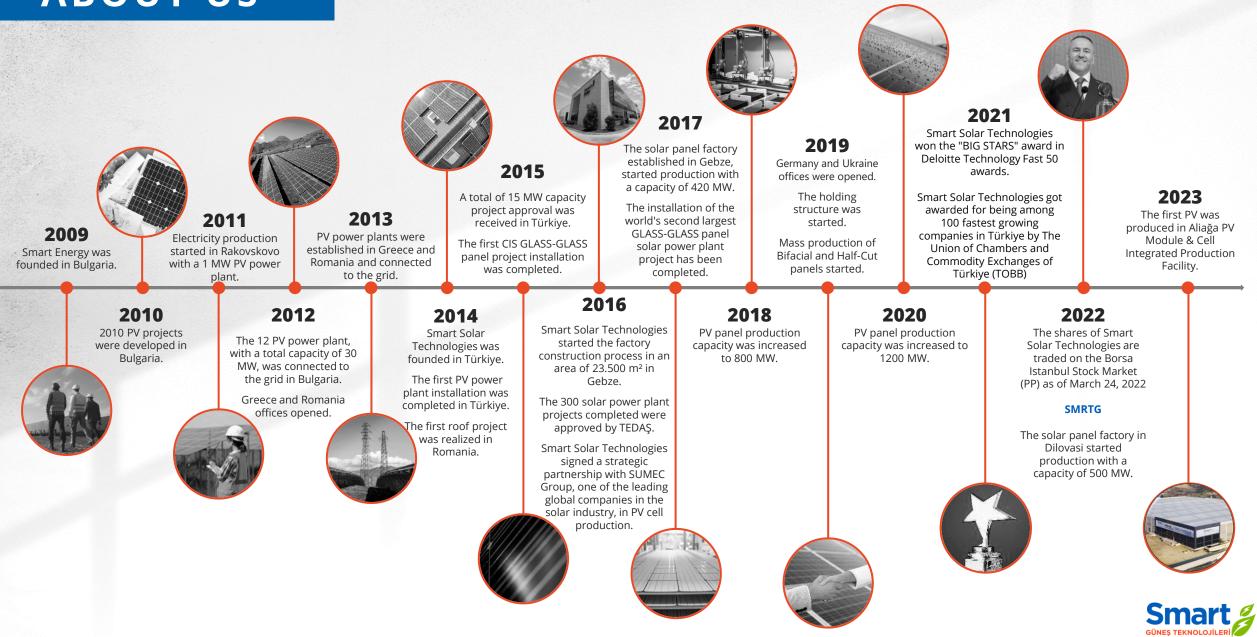
Uzun Vadeli Ulusal Notumuz "A+ Stabil Görünüm", Kısa Vadeli Ulusal Notumuz "J1 Stabil Görünüm" olarak yüksek seviye yatırım yapılabilir seviyede belirlenmiştir.







ABOUT US



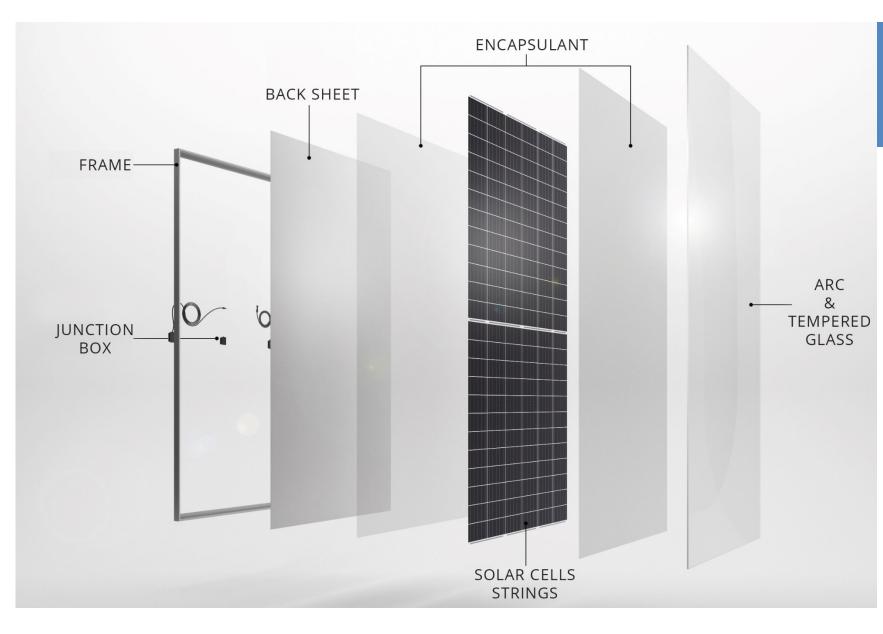


PV SOLAR MODULE PRODUCTION OVERVIEW

In our production facility, crystalline silicon cell-based high efficiency photovoltaic solar panels are produced for use in land and roof solar power plants.

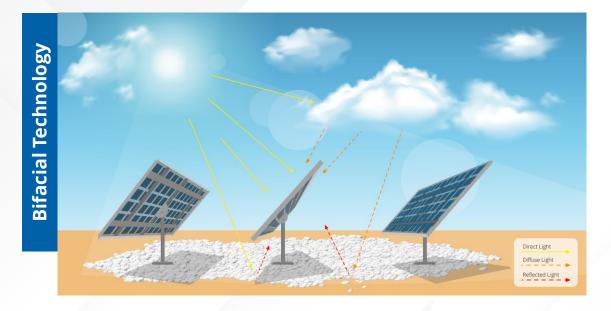
High efficiency is achieved in solar panel production by using Multi Busbar, PERC, Half-Cut Cell and Bifacial technologies in our state-of-the-art automated production lines with an annual production capacity of **2.900 MW** and installed in an indoor area of **69.363 m²** in Gebze Dilovasi (Kocaeli) and Aliağa .

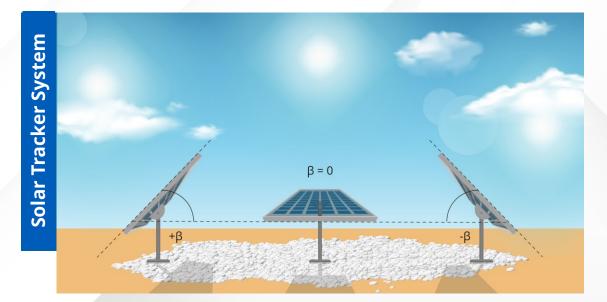


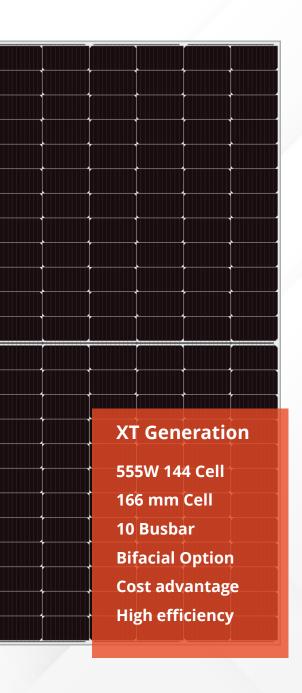


SMART TECHNOLOGY















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.





ALIAĞA PV MODULE & CELL INTEGRATED PRODUCTION

2 GW Production Capacity (2024 plan) | 50.000 m² Production Area



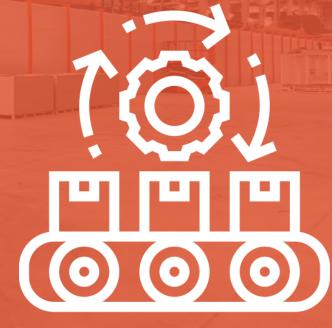
FACILITY PLAN

• PHASE 1 600 MW PV line was put into use

• PHASE 2

Equipment orders were given for a 500 MW PERC Cell line

PHASE 3 1.400 MW TOPCon cell line design was completed





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







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 PersonalConsumption
- Hybrid Projects

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



EPC ACTIVITIES

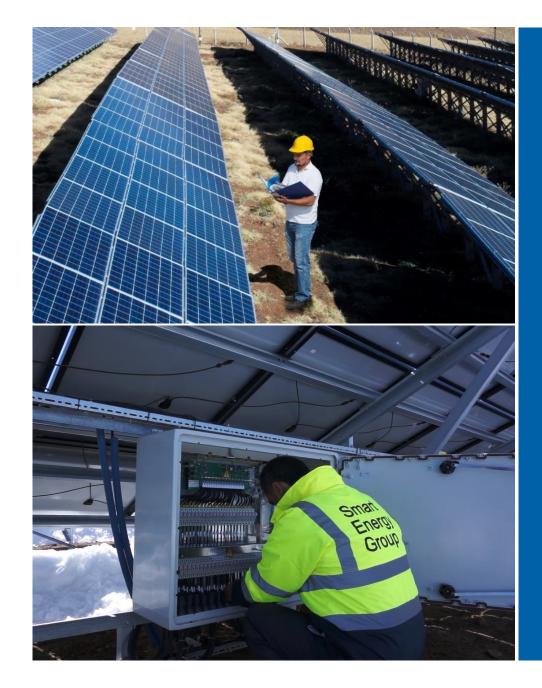
In the PV market, which we entered as an investor in Eastern Europe 14 years ago, we can operate all over the world with the identities of project developer, EPC company, BOT (build/operate/transfer), BOO (build/operate) thanks to the experiences we have gained so far.





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.



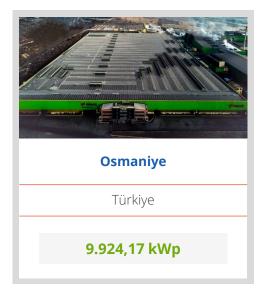


EPC ACTIVITIES

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



Ukraine 11.000,00 kWp

Van Arısu

Türkiye

55.540,00 kWp



Aksaray

Türkiye

11.796,72 kWp



Mardin Artuklu

Türkiye

10.890,76 kWp

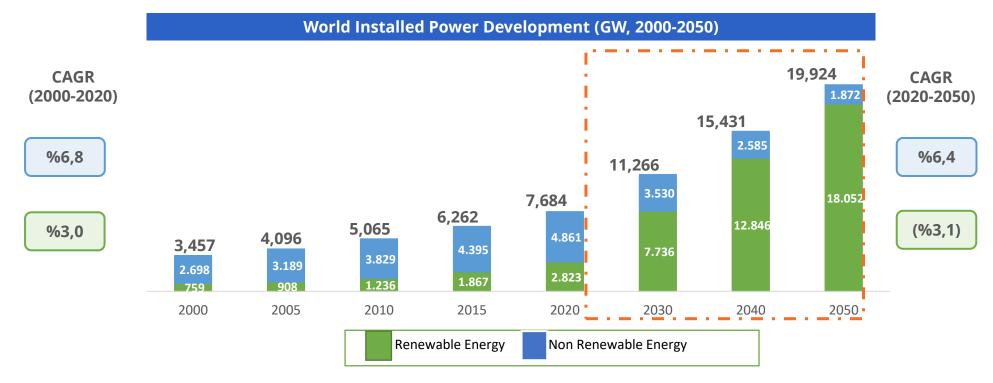
Engineering References

* Some of our engineering references.

Solar technologie

Solar Energy in the World

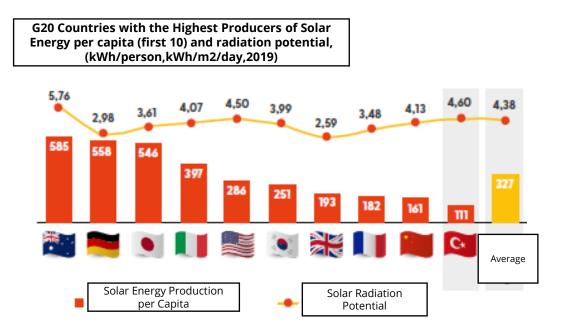
In order to reach the net zero carbon emission target by 2050, it is predicted that electricity generation will depend heavily on renewable energy sources.



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



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,

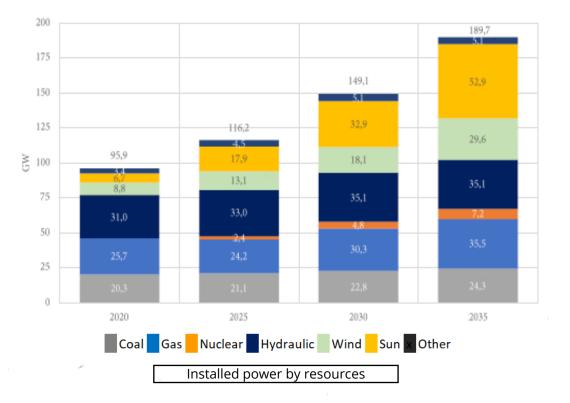
Türkiye's continued solar energy investments in the coming period without slowing down an indication of the need.



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



Shareholder	Capital TL	Capital Share (%)				
SMART HOLDİNG ANONİM ŞİRKETİ	442.458.798,53	73,03%				
FREE FLOAT	163.421.201,47	26,97%				
TOTAL	605.880.000,00	100				
Smart Holding A.Ş.announced the sale of 12,117,600 Smrtg shares representing approximately 2.0% of the issued share capital . The transaction was priced at TL 67.00 per share and realized on 12 October.						

BIST SHARE CODE	SMRTG		
DATE OF PUBLİC OFFER	24.03.2022		
INDEXES INCLUDED	BIST 100 / BIST HİZMETLER / BIST HALKA ARZ / BIS KATILIM 30 / BIST 50 / BIST KATILIM 50 / BIST KATILI TUM / BIST TÜM / BIST ELEKTRİK / BIST KOCAELİ / BIST 100-30 / BIST KATILIM 100 / BIST YILDIZ		
TRADED MARKET	YILDIZ MARKET		



Smart Güneş Corporate Structure

Country of Origin Activity area %100 Smart Güneş Enerji Ekipmanları Marketing of solar panels and Türkiye Pazarlama A.Ş.* equipment Halil Demirdağ Hakan Akkoc %100 SPP installation and manufacturing Smart GES Enerji Üretim A.Ş. Türkive of power plant components %95 %5 %100 Smart Güneş Teknolojileri Türkiye Dissolved in March 2021 Smart Holding A.Ş. Pazarlama A.Ş. %26,97 %73,03 %50 Smart Sumec Enerji Ekipmanları Marketing of solar panels and Türkiye ve Pazarlama A.Ş. equipment Smart Güneş Enerjisi Public Teknolojileri Ar-Ge Üretim Section San. ve Tic. A.Ş. Smart Güneş Enerjisi Tek. Ar-Ge %60 Partnership established for Van Arısu Üretim San.Tic. A.S & IHK Türkiye SPP EPC project Holding A.Ş Konsorsiyumu Smart Güneş is a leading solar energy %100 company providing end-to-end service with Icarus Solar GmbH Germany Sales of solar equipment in Europe its subsidiaries. %100 Smart Solar Ukrayna (**) Ukraine EPC activities in Eastern Europe • It was dissolved without liquidation by merging with the company on 31.03.2021. • Smart Solar Ukraine has no %100 EPC activities in Europe Smart Solar Technology Gmbh Germany active activity. Production and sale of renewable %100 Smart Solargize Yeşil Mobilite Türkiye and mobile energy components Enerji A.Ş. Smart Global Enterprises %100 Holland Trading and investment activities & Trading BV Smart Gunes Tecnologias Panel and switchboard components %100 Spain Renovables, Sociedad Limitada sales

Smart Solar has 10 subsidiaries in five different countries.

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.





Establishment of new companies for overseas activities

- Through Smart Global Enterprises & Trading BV, a 100% subsidiary of our company, located in the Netherlands, it has been decided to establish a new company called Smart Solar Technologies, which will carry out similar activities with our Company in Bulgaria.
- In order to establish solar panel production facilities up to 3 GW production capacity in at least 2 regions in the United States, it has been decided to establish a new Company through Smart Global Enterprises & Trading BV, a 100% subsidiary of our Company, located in the Netherlands.
- It has been decided to establish a new Company in China to strengthen the procurement and supply chain, and to control the production and quality processes with suppliers, and to participate in this Company 100%.



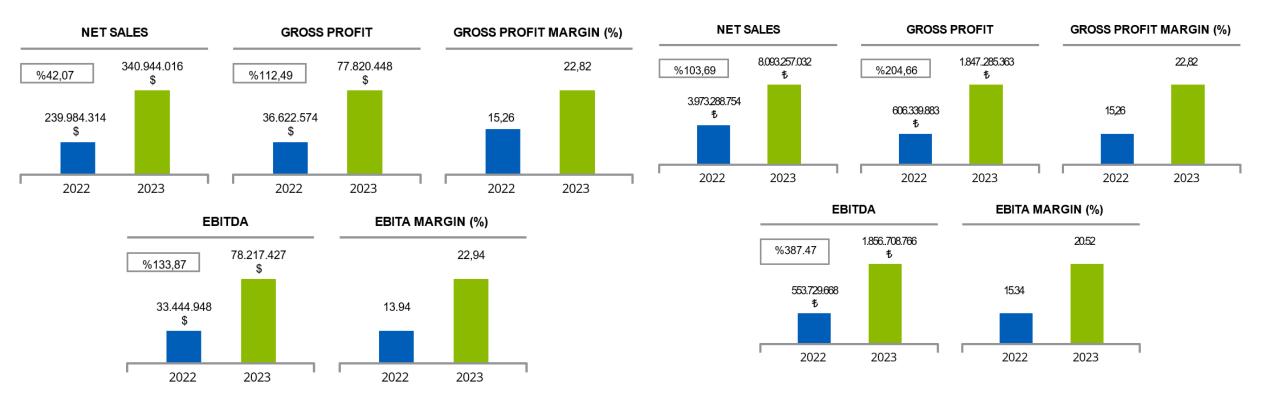


FINANCIAL INDICATORS 31.12.2023 (TL-USD)

	TL			USD		
BALANCE SHEET ITEMS	31.12.2023	31.12.2022	%	31.12.2023	31.12.2022	%
Current Assets	7.124.476.057	3.641.419.864	95,65	242.014.663	194.746.039	24,27
Fixed Assets	3.426.215.406	652.843.925	424,81	116.386.715	34.914.614	233,35
Short Term Liabilities	6.395.534.877	2.667.816.199	139,73	217.252.919	142.676.938	52,27
Long Term Liabilities	2.026.797.599	194.299.153	943,13	68.849.237	10.391.274	562,57
Equities	2.128.358.987	1.432.148.437	48,61	72.299.223	76.592.441	-5,61
INCOME STATEMENT ITEMS	31.12.2023	31.12.2022	%	31.12.2023	31.12.2022	%
Net Sales	8.093.257.032	3.973.288.754	103,69	340.944.016	239.984.314	42,07
Gross Profit	1.847.285.363	606.339.883	204,66	77.820.448	36.622.574	112,49
Gross Profit Margin (%)	22,82	15,26		22,82	15,26	
Operating Profit Before Financing Expenses	1.790.085.145	483.200.841	270,46	75.410.779	29.185.048	158,39
Net Profit For The Period	1.037.416.755	69.836.661	1.385,49	43.703.176	4.218.093	936,09
EBITDA	1.856.708.766	553.729.668	235,31	78.217.427	33.444.948	133,87
EBITDA Margin (%)	22,94	13,94		22,94	13,94	

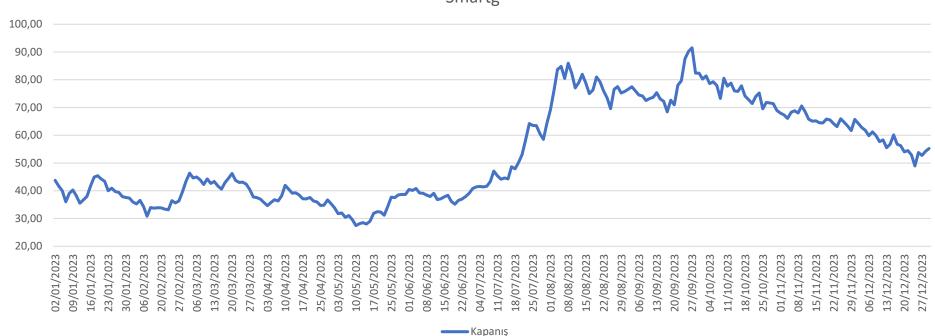


FINANCIAL INDICATORS 31.12.2023 (TL-USD)





SMRTG Share Performance (Jan-Dec. 2023)



Smartg

- It started trading on March 24, 2022 with a price of 14.00 TL.
- On October 24, 2022, 100% bonus shares were distributed.
- On July 28, 2023, 98% bonus shares were distributed.
- The lowest 14 TL was traded at the highest 89,15 TL (after the 2 splits).
- The closing price of the company in the Borsa Istanbul Index dated Oct 30, 2023 was 55,25 TL and is about 1,500% higher than the public offering price.
- SMRTG has started to be traded in the BIST 50 Index as of January 1, 2023.

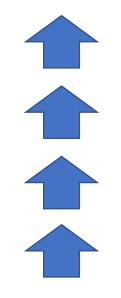


REVENUE: 13.5 Billion TL

EBITDA: 2.1 Billion TL

INVESTMENT AMOUNT: 2 Billion TL

Average USD Currency Expectation: 34.5 TL





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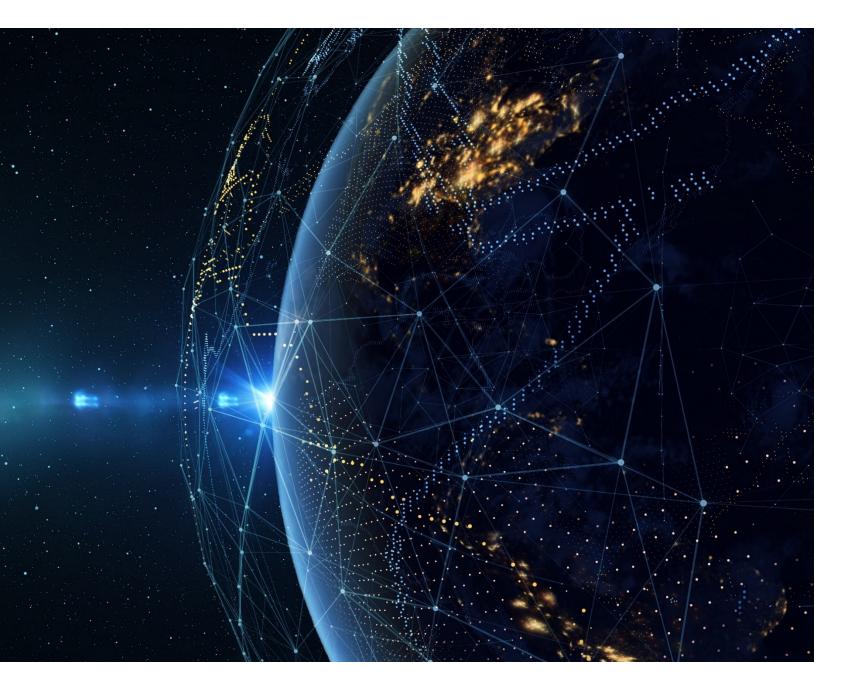
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Offices

Germany Bulgaria Switzerland Romania Türkiye Ukraine Greece Spain Netherland

Countries we export to

Germany Austria Bulgaria Georgia Iraq Spain Italy Greece Ukraine



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, İSTANBUL HEADQUARTER

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