



# ONESA

AUTOMATION | MACHINERY | ENERGY | LIGHTING SYSTEMS

## SOLAR ENERGY OF THE FUTURE

As ONESA Automation, we maintain our leading position in the industry by offering innovative and high-quality solutions in automation, machinery, energy, and lighting systems.



**CONTACT**



VISIT OUR WEBSITE  
[www.onesa.com.tr](http://www.onesa.com.tr)

# CONTENTS

- About Us, Our Vision, Our Mission
- What is Solar Energy? How to Benefit from Solar Energy?
- Where is Solar Energy Used?
- Now is the Perfect Time for Your Solar Energy Investments!
- Why Solar Energy Systems (GES)?
- Who Can Invest in Solar Energy Systems (GES)?
- Is Solar Energy a Profitable Investment?
- Recent Projects (Çanakkale Biga OSB, Decerotica Furniture, etc.)

# ABOUT US

## **ONESA Automation Machinery Energy Lighting Systems Co. Ltd.**

Founded in 1995, ONESA Automation Machinery Energy Lighting Systems Co. Ltd. has continuously grown since its inception. Through our expanding areas of operation, strong customer relations, developing expert team, and commitment to human, environmental, and societal values, we have become a significant solution center and brand in the industry. ONESA specializes in the turnkey project design and implementation of low voltage (LV), high voltage (HV), and weak current systems for various facilities such as factories, buildings, residential complexes, hospitals, schools, business centers, and shopping malls.

### **Our Vision**

As ONESA Automation Machinery Energy Lighting Systems, our vision is to solidify our leadership in the industry by offering innovative and sustainable solutions and to become a globally recognized brand. By keeping customer satisfaction at the highest level, we strive to shape the future of energy and automation systems, in line with the continuous advancement of technology.

### **Our Mission**

The mission of ONESA is to provide high-quality, efficient energy, automation, and lighting solutions that are sensitive to both people and the environment. We aim to develop tailor-made projects that meet the specific needs of our customers while adhering to our ethical values and implementing the best practices in the industry. With our expert team and innovative approach, we deliver sustainable and reliable solutions, maintaining our status as a trusted partner for our clients.

## What is Solar Energy?

Solar energy is the method of harnessing energy from sunlight. It involves generating electricity through solar panels or capturing heat energy with solar collectors. It is a clean and sustainable energy source.



## How to Benefit from Solar Energy?

There are two main ways to benefit from solar energy:

1. **Photovoltaic (PV) Systems:** These systems convert sunlight directly into electrical energy using solar panels. The panels are composed of photovoltaic cells that absorb sunlight and generate an electric current. The electricity produced can be used in homes, businesses, and fed into the electrical grid.
2. **Solar Thermal Systems:** These systems convert solar energy into heat energy using solar collectors. The collectors absorb sunlight to produce heat, which can then be used for water heating, space heating, or even electricity generation. Solar energy is a clean, sustainable, and environmentally friendly energy source.



## Where is Solar Energy Used?

Solar energy is a clean and sustainable energy source, and when combined with automation, it can be effectively utilized in various fields. In agricultural applications, solar-powered automation systems enhance efficiency by automating processes such as irrigation and greenhouse climate control. In building management, energy produced by solar panels is optimized through smart building systems, balancing energy consumption and ensuring savings. In industrial facilities, solar-powered automation systems automate production processes, reducing operational costs while increasing efficiency.





## **Now is the Perfect Time for Your Solar Energy System (GES) Investments!**

Solar Energy Systems (GES) form the foundation of an environmentally friendly and sustainable energy future. GES investments present an innovative and profitable opportunity in the energy sector. Now is the ideal time to focus on GES investments, as it supports environmental sustainability while also taking a lucrative step toward the future.

## **Why Solar Energy Systems (GES)?**

- 1. Clean Energy Source:** Solar energy is clean and environmentally friendly. Unlike fossil fuels, it does not produce greenhouse gas emissions or harm the environment.
- 2. Sustainability:** Solar energy is an inexhaustible resource. Therefore, GES contributes to sustainable energy production and helps ensure a more livable world for future generations.
- 3. Energy Independence:** Solar energy can be produced locally, increasing energy independence and reducing the need for energy imports.
- 4. Low Operating Costs:** The operating costs of GES are generally low. Solar energy requires no fuel costs and is easy to maintain, providing long-term cost savings.
- 5. Technological Advancement:** Solar energy technology is rapidly advancing. Continuously improving and becoming more efficient, these technologies make GES more competitive.



## Who Can Invest in Solar Energy Systems (GES)?

Solar energy investments can be made by a wide range of individuals and organizations:

- **Individual Investors:** Individuals can invest directly by installing solar panels on their rooftops or participating in small-scale solar energy projects.
- **Companies and Businesses:** Businesses can invest in solar energy projects to meet their energy needs or reduce energy costs at their facilities.
- **Investment Funds:** Investment funds can diversify their energy portfolios by funding or investing in large-scale solar energy projects.
- **Government and Public Institutions:** These entities can invest in solar energy projects to support energy policies and achieve sustainable energy goals.
- **Energy Companies and Investors:** Energy companies and investors can explore growth opportunities and expand their energy portfolios by investing in solar energy projects.

In this way, solar energy investments become an attractive option for various sectors.





## **Is Solar Energy a Profitable Investment?**

With solar energy, you benefit in several ways:

- **Protection from Future Price Increases:** Solar energy shields you from potential increases in electricity prices.
- **Long Lifespan:** Solar energy systems have a useful lifespan of 25 years.
- **Quick Payback:** The system typically pays for itself within 2 to 5 years.

As a result, you can enjoy savings on your electricity bills for up to 20 years.



# LATEST PROJECTS

## **Çanakkale Biga OSB Decerotica Mobilya**

Our solar panel project for the Decerotica Furniture factory located in Çanakkale Biga Organized Industrial Zone (OSB) aims to provide sustainable energy solutions while reducing environmental impact and lowering energy costs. Through this project, the factory will produce its own energy, maximizing the use of renewable energy sources and significantly reducing its carbon footprint.



**Image 1.**





**Image 2.**



**Image 3.**



# LATEST PROJECTS

## Çankırı Arazi GES

The solar power plant project on vacant land is a significant step toward clean and sustainable energy production. By covering the land with solar panels, we aim to contribute to environmentally friendly electricity generation and take a step toward a greener future.



**Image 1.**