

GÜN GÜNEŞ ENERJİSİ ELEKTRİK ÜRETİM SANAYİ VE TİCARET A.Ş.

ANTALYA SOLAR POWER PLANT

PROJECT INFORMATION NOTE

The energy demand of Türkiye is increasing rapidly due to industrialization, economical development and population growth. Since the local sources (natural gas, petroleum, etc.) required to generate electricity are inadequate, Türkiye is a foreign-dependent country in terms of energy.

Antalya SPP is developed by Gün Güneş Enerjisi Elektrik Üretim Sanayi ve Ticaret A.Ş. The project is reducing national energy deficit and development of local industries as it allows the use of local sources for energy generation to meet the increasing demands. The purpose of the project is to generate clean energy by harnessing the solar power and providing the energy to the Turkish national grid. By implementing the project, investors also aim to reduce dependency to the fossil fuels thereby reducing the sources of environmental pollution.



Figure 1. Project Area on the Map



Figure 2. Closest Settlement to the Project area

In this scope, Gün Güneş Enerjisi Elektrik Üretim Sanayi ve Ticaret A.Ş installed PV panels having a module area of 182,153 m² in Akseki District of Antalya with the purpose of contributing to the national economy the meeting the increased electricity demand¹. Total output of the plant is limited at 23.40 MWe as per the capacity allowed in generation license with the help of software installation.

	Installed Capacity (MWe)	Emission Reduction (tCO ₂)	Electricity Generation (MWh/year)
Antalya Solar Power Plant	23.40	30,323	46,736.5

According to the calculations based on the amount of electricity generation, the project activity will significantly contribute to the environment, air quality and especially the reduction of greenhouse gases that cause climate change by reducing approximately 30,323 tons of carbon dioxide (CO₂) per year due to the use of renewable resources.

ANTALYA SOLAR POWER PLANT

SUSTAINABLE DEVELOPMENT EVALUATION FORM

Sustainable Development Indicators	Participant Comments		
	Positive	Negative	No Effect
Air quality (Sulfur dioxide, nitrogen oxides, soot, etc.)			
Water quality and quantity (Access to water resources)			
Soil quality (Fight against erosion, soil pollution, etc.)			
Other pollution sources (noise, light, etc. pollution sources)			
Biodiversity (Effect on protected species)			
Employment Quality (Working conditions, job security)			
Combating Poverty (Impact on standard of living, access to health services, etc.)			
Access to clean energy sources (Reliable, cheap energy, impact on energy imports)			
Personal and institutional capacity (Education, awareness raising)			
Contribution to employment and income level (New job opportunity, income increase)			
Balance of Payments (Reducing foreign dependency, increasing investment)			
Technology transfer and technological competence (Using, adapting, etc.)			

EVALUATOR INFORMATION	Name surname	
	Phone	
	District/Province	
	Institution/Duty	

What are the aspects that you find **positive** about the project?

What are the aspects that you find **negative** about the project?

CONTACT:

Project Developer:

GTE KARBON SÜRDÜRÜLEBİLİR ENERJİ EĞİTİM DANIŞMANLIK VE TİCARET A.Ş.

Address: Mustafa Kemal Mah. 2111. Sokak No:5 Barış Sitesi, Çankaya Ankara

Phone: +90 312 514 63 63

E-mail: gte@gte.com.tr

Project Owner:

Gün Güneş Enerjisi Elektrik Üretim Sanayi ve Ticaret A.Ş.

Address : Huzur Mah. Azerbaycan Cad. Skyland B Blok Kat: 16 No: 4B / 240 34485, Sarıyer /
İSTANBUL

Telephone : +90 212 267 4206

Email: alpay.beyla@enerturk.com