SOLAR PARK DOUNEIKA
Douneika, Greece

Project data

System name:	Douneika
Operator:	Douneika Energeiaki
Energy company:	PPC
Location:	Douneika, municipality of Thermo
Commissioned:	April 2011
Completion time:	16 weeks

Technical data

Rated system power	1.993 MWp
Annual energy yield	approx. 2,946 MWh
Feed-in tariff/kWh	EUR 0.40
Feed-in tariff p.a.	approx. EUR 1,178,400
CO_2-savings p.a.	approx. 3,200 tons*
No./type of modules	9,724 units Suntech STP205

Inverter	4 units XANTREX GT 500E
Construction type	Ground-mounted
Tilt angle	27°
Frame technology	HILTI
Orientation	South

* Source: 1.1 kg CO_2 saved per kWh (Public Power Corporation S.A. pulication „The Environment, our world“ in 2009)

SOLAR PARK DOUNEIKA
Douneika, Greece

Konstantinos Glavas, Administrator
Douneika Energeiaki

"German solar know-how and a Greek subsidiary familiar with local conditions, a combination which made Phoenix Solar the ideal EPC contractor for our first solar park in central Greece. Everything went like clockwork, from planning through to cooperation on site. Even the extreme winter weather did not prevent construction from going ahead. Here's to more joint projects!"

Successful German-Greek solar cooperation

Since the start of 2011, 9,724 solar modules follow the line of the hill close to the village of Douneika in central Greece. The solar park, designed, built and connected to the grid by Phoenix Solar, nestles into the landscape – and is otherwise optimal. Ground sealing was also kept to a minimum as drillings were only made for the 335 posts which carry the elevation of the six-hectare plant.

Connecting the 2 MWp solar power plant to the grid was a real feat: An access road even had to be built for construction work on the rocky landscape which dips at angles of up to 35 per cent. However, even here the cooperation between the investors, the community and Phoenix Solar went smoothly, and the common goal was achieved in a span of a mere 16 weeks.

The construction team played a huge role in completing the plant by the deadline. They were not deterred by the – even by local standards – cold winter with an unusually heavy snowfall.

The small village of Douneika has become a sustainable energy supplier through the production of solar electricity: over 900 families are supplied with green electricity, more than the village's population. The investors are also very delighted with the plant's yield. An anti-theft system and additional lightning protection installed upon request ensure reliable operation, and the feed-in remuneration guaranteed by the Greek government secures the return for many years.

case-doun-en-0611