

24 MW: SinAn, South Korea

The solar park in SinAn sets a breathtaking record: largest solar power plant of Asia as of 2008. Very few solar parks on the entire continent can compare with Conergy’s Asian masterpiece.

More than just on time

The giant solar power plant is located southwest of the South Korean capital Seoul, near the city of SinAn. On a total area of 600,000 m² – which is equivalent to the size of more than 80 soccer fields – the solar park produces around 35,000 MWh of clean electricity each year. A total of 10,000 Korean households benefit from this clean energy source. At the same time, the power plant saves up to 25,000 tons of CO₂ yearly. Conergy had 230 experts on site and despite the size and complexity of the project, finished the construction of the solar park in a record time of just 14 months – half a year earlier than originally scheduled.

Pushing the limits

In order to get the most out of the Korean sun, Conergy installed more than 130,000 modules on single-axis tracking systems. Constructed with more than 426 kilometers of cable and around 3,000 tons of steel, the program controller automatically adjusts each module’s orientation according to the sun’s angle throughout the day. As a result, the solar park’s power output increases by 20% compared to a solution with a fixed mounting system installation.

Asia’s solar awakening

South Korea is just one example of Conergy’s long success story in the emerging Asian solar markets: nine projects in Thailand with an installed capacity of 80 MW clearly prove Conergy’s commitment to South-East Asia. Further West, two solar power plants in India not only power households but also help to operate irrigation water pumps which are giving hundreds of local farmers a more secure livelihood. Meanwhile in the Middle East, Conergy has set a groundbreaking milestone with two roof-top solar installations in Saudi Arabia. In the course of these fast growing markets all over Asia, Conergy is perfectly positioned to continue to build Asia’s solar future.



Project Highlights

Date	September 2008
Location	SinAn, South Korea
Installed Capacity	24 MWp
MWh produced annually	35,000 MWh annually
Modules	130,000 Crystalline Modules
Inverters	Conergy IPG 280K central inverters
Mounting System	Free-field ground-mounted systems
Size of Plant	670,000 Square meters
CO ₂ emissions saved	25,000 Tons/year

