



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 equals the impressive number 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 thus benefit from this reliable and environmental friendly source of energy. At the same time, the power plant saves up to 25,000 tons of CO₂ yearly. Conergy had 230 experts on side and despite the size and complexity of the project finished the construction of the solar park in 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: Two megawatt class parks in Thailand within only 8 months – one of them built completely with Conergy System Technology – clearly prove Conergy’s commitment in South-East Asia. Further West, one of the largest solar power plants of the Indian subcontinent helps to operate 400 irrigation water pumps thus giving hundreds of local farmers a new basis to live off. But also in the Middle East Conergy sets a groundbreaking milestone with the first and largest roof-top solar installation of Saudi Arabia. In the course of these fast growing and also newly evolving 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
Output	24 MWp
Produced MW/h annually	35,000 MW/h annually
Modules	More than 130,000 crystalline modules
Inverters	Conergy IPG 280K
Mounting System	Free-field Ground Mounted systems
Size of Plant	670,000 square meters
CO ₂ Emissions Saved	25,000 tons / year

