



CONERGY

Reference Project | Large-scale PV

Asia's Largest PV Plant - SinAn, Korea



Through the perfect synergy of Conergy and Dongyang Engineering & Construction Corporation of Seoul, Asia's largest PV plant with total capacity of 18MW was commissioned in SinAn, Southwest of the Korean capital of Seoul. Dongyang, a pioneer in Korea with over four decades experience in realising outstanding building and construction projects, is one of the leaders in its industry. Together with the renewable energy technology expertise of Conergy, this record-breaking installation created a new era for Korea as Asia's leader in clean energy.



Conergy's single axis sun-tracking PV system was installed on a vast field of 600,000 m² (equivalent to 80 football fields). This state of the art technology boasts engineered algorithms that tracks the sun's path and adjusts the system accordingly to minimise shading and maximise yield. The extended exposure to the sun ensures the system generates the optimum energy output possible. Its robust design, combined with zero field welds ensures superior strength and longevity of the system, even in the harshest weather conditions. The on-grid system will provide more than 27,000 MWh of electricity which will correspond to the annual consumption of more than 6,000 households and reduces carbon emissions of up to 20,000 tonnes a year.

Data

Date	June 2008
Location	SinAn, Korea
Output	18 MW
Type of Module	109,000 units of STM 180 F modules
Type of System	Single Axis Tracking System
Others	414 km of cables 7,000 tons of steel

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