

19 MW: Thüngen, Germany

The solar park in Thüngen is 100 % Conergy. It is Germany's largest solar park built entirely with Conergy system technology. The groundbreaking 19-megawatt solar plant covers an area of nearly 40 hectares – making it five times as big as FC Bayern's entire soccer stadium in Munich.

Thüngen's inhabitants produce ten times more power than they consume

In just nine months, Conergy engineers rammed around 45,000 posts for the Conergy SolarLinea mounting systems, installed 84,986 Conergy PowerPlus modules from the company's own factory in Frankfurt (Oder), laid around 650 kilometers of cable and set up 31 Conergy CIS inverter stations with a total of 62 Conergy IPG 300K inverters. Altogether, the components with their 886 tons of steel and 390 tons of aluminum weigh as much as two Airbus A 380. As of end of July 2010 the plant is feeding around 19 gigawatt hours of clean electricity per year into the grid of the district of Lower Franconia. As a result, the inhabitants of Thüngen produce ten times more power than they actually consume.


Baron of Thüngen: "We are demonstrating that CO₂ neutral is a real alternative"

Hanskarl Freiherr von Thüngen has made his grounds available for the new multi-megawatt solar installation. Thanks to the power of the sun it will be possible to generate emissions-free electricity which is used to brew the "Herzog von Franken" beer in his own in-house brewery. "With the brewery and the Thüngen solar plant we are demonstrating that CO₂ neutral is a real alternative," says the baron. This vision is also shared by HSE, the buyer of the Conergy solar plant.

HSE chooses Conergy as its reliable partner offering a high-quality system solution

The buyer of the solar plant in the Bavarian market community of Thüngen is Darmstadt-based HSE. The energy provider from South Hessen sees things that same way. When making capital investments, HSE consistently strives to select reliable partners and high-quality products on its route towards becoming a sustainability-oriented enterprise. "We see ourselves as pathfinders for an energy supply of the future, which protects the climate and the environment", says HSE Chairman Albert Filbert. The 19 MW all-Conergy solar park in Thüngen is surely a big step towards this future.



Project Highlights		
Date	29 July 2010	
Location	Thüngen, Germany	
Output	18.7 MWp	
Produced MW/h annually	19,200 MW/h annually	
Modules	84,986 Conergy PowerPlus Modules	
Inverters	31 Conergy CIS inverter stations with a total of 62 Conergy IPG 300K inverters	
Mounting System	Conergy SolarLinea	
Size of Plant	384,300 square meters	
CO ₂ Emissions Saved	10,000 tons / year	

