

Harvesting the sun: Jurawatt brings DESERT solar technology to Jordan

Jurawatt, the Bavarian solar power specialists, are about to fulfil an order of 600 DESERT solar panels for a customer in Jordan. The panels are scheduled to be shipped from Hamburg on 05.09.2016 and will arrive at their destination about a month later, marking a major milestone in the creation of a sustainable energy policy for the country. In 2015, 96% of Jordans electricity supply was still being generated from imported fossil fuels: the risks of such an energy policy in a politically volatile region were briefly highlighted in 2011 when Egypt temporarily shut off natural gas supplies during the Arab Spring uprisings.

Now, Jordan is taking important steps to be more self-sufficient in energy production. In this region, with its bountiful sunshine, solar energy is an attractive solution. However, high temperatures have presented a problem for the expansion of solar power programmes in the past. Standard solar panels, designed for use on the roofs of houses in European countries, are less efficient in very hot climates and lose much of their capacity after just 10 years. Jurawatt have the solution for the sunniest parts of the world: their innovative DESERT technology 60-cell solar panels are designed to function in extreme temperatures and challenging environments.

DESERT technology panels: functional in extreme conditions

The advantages of DESERT technology solar panels include:

- Sixty cells in each panel
- A lifespan of up to 20 years, showing a greatly enhanced price to performance ratio
- Functional in temperatures of up to 125C, where standard panels fail at temperatures of more than 80C
- Resistant to harsh climatic conditions, such as sandstorms
- Fully recyclable
- Optimum output in higher temperatures

A promising outlook for solar energy in Jordan

The potential for solar powered electricity generation in Jordan is vast, as the country enjoys more than 320 sunny days each year; average solar radiation ranges from between 5 and 7 KWh/m², implying a potential of around 1000 GWh per annum. While the target is for a third of individual households to have water heated by solar power by 2020, the main focus of the countrys sustainable energy diversification strategy is to develop large CSP (concentrated solar power) projects in the Maan development zone. Jordan is rapidly developing the infrastructure needed to exploit the full potential of solar power: the development zone is set to produce 4% of the countrys energy needs, reducing Jordans reliance on imported fossil fuel and offering the potential to export surpluses to neighbouring countries.

The future looks bright

Jurawatt have already announced further orders for Jordan: the state of the art DESERT technology looks set to reinforce the reputation of the company as a leading innovator in the field of solar energy.

About Jurawatt Vertrieb GmbH

Jurawatt Vertrieb GmbH is based in Hilpoltstein/Germany. From there, it distributes highly specialised modules such as the DESERT modules to customers around the world. The name of Jurawatt stands for innovativeness and state-of-art technologies.

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