

PRESS RELEASE

Dresden, 14 July 2010

Heliatek and FHR co-operate on construction of first vacuum coating plant for organic photovoltaic units (OPV)

Heliatek GmbH, Dresden, the global leader in the development of organic solar cells, will be building its first production site in Dresden. Construction will be carried out in co-operation with FHR Anlagenbau GmbH, Ottendorf-Okrilla – an internationally experienced manufacturer of innovative vacuum process technology.

Heliatek is pursuing the goal of becoming the world's first manufacturer of organic, oligomer-based solar cells and the supplier of the most efficient, stable and productive organic solar cells.

“We have found a professional partner in FHR,” explains CEO Dr. Andreas Rückemann, “who has the capability to support us in our strategic long-term capacity expansion plan and with whom we are able to ensure the implementation of the organic based PV-module production.”

The foil coating system which has been developed by FHR is a highly integrated production line for organic solar cells with a very small footprint. For the engineers and the technologies of FHR Anlagenbau GmbH, combining the complex vacuum process technology used for depositing organic molecules, the structuring of the molecule layers and the lamination of the plastic foil was a real challenge. Managing Director Dr. Reinhard Fendler: “We are very proud of the integrative work we have done here and are very happy to have found Heliatek, an ideal partner situated close by, which already has a top position within the OPV industry. Organic photovoltaic is a new business area for FHR and our roll-to-roll systems. Strategically it is very interesting and has a very promising future.”

Heliatek and FHR plan to have the new manufacturing facility set up by mid 2011. The first products to be produced by the new foil coating system are expected to be available at the start of 2012.

The manufacturing facility will be built at the Heliatek location in Dresden, close to the A4 highway and only 15 minutes from the airport. Heliatek moved into its ‘new home’ there in May of this year, giving it the space to carry out everything ‘from lab to fab’. The modern hall offers ideal conditions. With a floor space of about 1,700 m², it provides enough room not only for production but also for the laboratories and research units to grow throughout the coming years.

Dresden has both an excellent infrastructure as well as highly qualified, experienced and motivated employees. These are the best possible prerequisites for Heliatek to produce and sell the high-quality, light, flexible and optionally even semi-transparent photovoltaic modules of the newest generation at highly competitive prices.

The construction of the first production site is being supported financially by the European Union.



About FHR Anlagenbau

The development of thin-film technologies and their application in innovative systems concepts, as well as services relating to thin-film technologies, is what FHR Anlagenbau GmbH in Ottendorf-Okrilla is specialised in. The company was founded in Dresden in 1991 and has been a member of the Centrotherm Photovoltaics Group of Blaubeuren, one of the world's leading suppliers of technology and services for the production of silicon, crystalline solar cells and modules as well as thin film modules, since 2008. In addition to glass coating systems for the production of CIGS solar cells and pipe coating systems for the manufacture of absorber pipes for solar thermal power plants, the FHR Anlagenbau GmbH product portfolio also includes foil coating systems for the manufacture of flexible solar cells, organic solar cells and energy efficient OLED displays. These foil coating systems, so-called roll-to-roll systems, are the strategic product focus of FHR. In this area the company, working together with renowned industrial partners and research institutes, has already established itself as a worldwide technology and market leader. Furthermore, FHR delivers customer-specific vacuum process systems for a multitude of research and development applications. The company employs 165 people at its Ottendorf-Okrilla location. For more information please visit www.fhr.de.

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About Heliatek

Founded in 2006 as a spin-off of the Universities of Dresden and Ulm, Heliatek GmbH develops organic solar cells with the proprietary tandem technology made of so-called 'small molecules', organic pigments that are chemically synthesized out of hydrocarbons. In April 2010, the Fraunhofer Institute for Solar Energy Systems (ISE) certified that these solar cells, made by Heliatek, had an efficiency of 7.7 %. The rapid progress made in efficiency and the exceptional stability over the lifetime of the units are due mainly to organic molecules which have been newly developed by the Heliatek and BASF laboratories. Heliatek has a staff of 42 people working at its sites in Dresden and Ulm. After securing venture capital in 2007 and 2009, there are now three strategic investors supporting Heliatek – BASF, Bosch and RWE; in addition there are the pan-European venture capital company Wellington Partners and further renowned venture capital firms. For more information please visit www.heliatek.com.

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