

Heliatek Supplies Heliafilm for Asia's Largest Biopv Installation in Singapore

Monday 2 March, 2015

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Heliatek's partner, vTrium Energy, will be implementing the world's most powerful and Asia's largest BIOPV (Building Integrated Organic Photovoltaic) project. Heliatek's organic solar film, HeliFilm®, will be the core part of this installation in Singapore, which provides a test-bed platform for new sustainable technologies.

This project is funded and supported by Jurong Town Corporation (JTC, Singapore) and SPRING (Standards, Productivity and Innovation Board, Singapore). The findings from this project will help to create a base for the future energy mix for Singapore.

HeliFilm® will be installed on 226m² with a peak power of more than 12 kWp. Three different parts of JTCs buildings in Cleantech Park 1 and 2 and Seletar Aerospace walkway will be covered with solar films.

HeliFilm® will be implemented with various building materials: within and on glass, on steel and on curved polycarbonate. Several versions of HeliFilm® will be used: full power opaque, transparent with two different transparency levels (15% and 30 %), and different colors.

"The combination of several HeliFilm® versions and the application in different orientations on various materials makes this project very exciting for us," stated Thibaud Le Séguillon, CEO from Heliatek. "In a relatively short period of time, we are going to get a comprehensive dataset about our solar films' performances in tropical climates." Conventional silicon becomes less efficient as the temperature rises but HeliFilm® is not affected by increased temperatures. Thibaud Le Séguillon added, "This real world test in a hot sunny climate, where solar is an obvious choice, will demonstrate the huge advantage of HeliFilm® technology over conventional silicon."

"For Singapore, this project is an important milestone on its path towards a sustainable city development. As one of the most advanced countries in the Asian region, Singapore is again demonstrating its leading role in green urban development," emphasizes Vijay Sirse, CEO vTrium Energy. "Building integrated organic photovoltaic (BIOPV) can provide a significant contribution to the future urban development of Singapore. We are looking forward working with Heliatek on this project to be a part of this future."

The implementation will start in May 2015 and the project will run for at least 18 months. The independent monitoring of this pilot will be performed by the Solar Energy Research Institute of Singapore (SERIS).

About JTC and SPRING:

JTC Corporation (JTC) is the lead agency in Singapore to spearhead the planning, promotion and development of a dynamic industrial landscape. SPRING Singapore is an agency under the Ministry of Trade and Industry responsible for helping Singapore enterprises grow and building trust in Singapore products and services.

About Heliatek:

Heliatek was spun off in 2006 from the Technical University of Dresden and the University of Ulm. The company is a leader in the field of Organic Electronics Energy holding the world record efficiency of 12%. Through both its leading edge material development and its proven capability for volume manufacturing Heliatek is the first company to begin commercialization of large area OPV solar film. Its business model is to supply the custom-designed HeliFilm® to partners in industries such as building and construction materials, automotive and light architectural structures. Heliatek maintains a total staff of some 75 specialists at its facilities in Dresden and Ulm, Germany.

Investors in Heliatek include leading industrial and financial companies such as BASF, Bosch, Innogy Venture Capital, Wellington Partners, eCapital and Aqton SE. Research and development work, as well as the installation of production technology has been funded by the Free State of Saxony, the Federal Republic of Germany (BMBF-Projekt LOTsE (03EK3505E)) and the European Union.

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About vTrium:

vTrium Energy Pte. Ltd., ("vTrium") a Singapore incorporated Company is an integrated Energy Services group with three business verticals: (1) Project Finance Advisory Services, (2) Energy Management Solutions - Demand Response, Interruptible Load, Electricity Retailing and (3) Distributed Power Generation Projects - Solar PV and CHP.

vTrium Energy is the innovator of Cleantech sustainable solutions and has established a niche market position. vTrium's objective is to bring the cutting edge technology solutions in the Cleantech space to Asia with Singapore as the headquarter.

vTrium's core strength is its people who are highly qualified energy industry professionals. vTrium's goal is to become a leading integrated Energy Solutions provider for Asia.

Information about vTrium Energy Pte. Ltd. : www.vtriumenergy.com

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