

Phoenix Solar participates in world's largest floating PV test array

- *Solar Energy Research Institute of Singapore inaugurates 10 x 100 kWp test center*
- *Phase 2 to follow in 2017 narrowing the field to two contenders*

Singapore and Sulzemoos, November 1st, 2016 - Phoenix Solar Pte Ltd, the Singapore based subsidiary of Phoenix Solar AG (ISIN DE000A0BVU93), is among the contenders included in the world's largest testing center for floating solar photovoltaic (PV) systems. The Solar Energy Research Institute of Singapore (SERIS) at the National University of Singapore (NUS) has embarked on a two phase study of the economic and technological feasibility of deploying large scale floating PV systems on inland water bodies. In the first phase, the one-hectare test-bed at Tengeh Reservoir will be used to examine 10 different types of floating structures and PV modules, each with a capacity of about 100 kWp. After a six-month evaluation period, the two best-performing systems will progress to Phase 2 in 2017, where the respective contenders will be required to build 1MWp of each design.

In 2013 already, Phoenix Solar installed the first floating photovoltaic (PV) system in Southeast Asia. The 5kWp pilot project was designed to study the environmental impact on water quality, flora and fauna, and to quantify a number of anticipated benefits. (i) The water cooling effect should improve solar cell efficiency. (ii) By covering expanses of water, the floating PV should reduce evaporation of valuable fresh water. (iii) Restricted penetration of sunlight in the water bodies should impede the growth of undesirable algae.

The successful evaluation of this project gained Phoenix Solar a grant to participate in the current comparative array. "Our experience in floating solar may give us an advantage over our contenders. The power raft we

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launched now is designed for easy mounting, high energy yield and durability", explained Eric Fleckten, General Manager of Phoenix Solar Pte Ltd. "Together with our reputation for building high quality PV systems on time and on budget, a successful participation in this test will strengthen our opportunities for sustainable growth in the Asia/Pacific region."

About Phoenix Solar AG

Phoenix Solar AG, with headquarters in Sulzemoos / Munich, Germany, is an international photovoltaic systems integrator. The Group develops, plans, builds and operates large-scale photovoltaic plants. As an EPC contractor specializing in the design and execution of solar power plants, Phoenix Solar places special emphasis on the "on-time and on-budget" construction and delivery of solar power plants, optimized to deliver superior output. With subsidiaries on three continents, the company has designed and built some 800 MWp of turnkey systems since its founding. The shares of Phoenix Solar AG (ISIN DE000A0BVU93) are listed on the official market (Prime Standard) of the Frankfurt Stock Exchange. www.phoenixsolar-group.com.

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Caption: The Phoenix Solar Power Raft is among the contenders in the floating solar test of the Solar Energy Research Institute of Singapore (SERIS).

Source of photo: Phoenix Solar