

SolarSpring sells MD Lab to Khalifa University, Abu Dhabi

SolarSpring GmbH, a 100% subsidiary of Industrial Solar Holding Europe AB, will be delivering a customized membrane distillation (MDLab) unit to the Department of Chemical Engineering, Khalifa University, Abu Dhabi – the laboratory provides knowledge and a deeper understanding of chemical processes in United Arab Emirates (UAE).

SolarSpring, a technology leader for membrane distillation technology, received an order for a customized MD Lab system from the Khalifa University in Abu Dhabi.

The contract was closed within an official tender and has a volume of USD 92,000. The MD Lab system made by SolarSpring, a highly precise laboratory unit, is fully automatic and suitable for the investigation of all aspects of the membrane distillation process as well as materials research.

A special test cell design: The transparent MD cell allows light to diffuse through its outer layer in order to heat the water inside. The membrane distillation cell can be shifted closer or away from the solar simulator to increase or decrease the solar irradiation intensity onto the cell. The transparent material has a minimal thickness to increase the intensity of the solar irradiation transmitted into the membrane through the body of the cell.

SolarSpring's engineers agreed to design the special system with two transparent test cells according to the university's requirements, and Daniel Pfeifle, CEO of SolarSpring, announced: "We are proud that Khalifa University's custom order has also enabled significant progress within our own product development. The knowledge gained on the functionality of transparent test cells will help us to open up further markets". On-site delivery and commissioning will take place in mid December 2020. Khalifa University is a comprehensive research-intensive university with three colleges, three research institutes, 19 research centers, and 36 departments covering a broad range of disciplines in science, engineering, and medicine. There are currently 3.500 students from over 50 nations studying at Khalifa University.

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Industrial Solar Holding Europe AB holds 100% of Industrial Solar GmbH and 100% of SolarSpring GmbH - both located in Freiburg/Germany.

Industrial Solar GmbH is an international leading technology and solution provider, which develops projects mainly based on its innovative Fresnel collector technology suitable for fulfilling an expected growing market of solar process heat. As a one-stop-shop Industrial Solar offers turnkey solutions for customers in several industries.

Find out more about Industrial Solar GmbH at the following address:

<https://www.industrial-solar.de/>

Founded in 2009 as a spin-off of the Fraunhofer ISE, SolarSpring GmbH - membrane solutions, has evolved into an international pioneer in the field of membrane distillation offering innovative waste- and drinking water treatment technology.

Find out more about SolarSpring GmbH at the following address:

<https://www.solarspring.de/>