

Midsummer receives order from INL in Portugal for thin film solar cell research machine model UNO

[Stockholm, Sweden, and Braga, Portugal, February 8, 2024.] Swedish solar energy leader Midsummer has received an order for its turnkey research machine for thin film solar cell deposition, the UNO. The client is International Iberian Nanotechnology Laboratory (INL), an Iberian international intergovernmental research organisation for cutting-edge research and development in nanotechnology.

The INL is the only intergovernmental scientific research organisation in the world dedicated to nanotechnology, with 7,500 m² of laboratory space. The entity was founded by Portugal and Spain in 2008. The UNO machine INL ordered from Midsummer will be used for thin film device research, including but not limited to CIGS solar cells. It is expected to be delivered to INL later this year. The order value is approx. EUR 1.46m.

“The UNO tool is the demonstration that Europe has a large lead in the development of new technologies and tools in the next generation of photovoltaics taking the most of advanced materials and technologies. INL will reinforce its research and development in thin film development as well as photovoltaics,” said Professor Pedro Salomé, Research Group Leader at INL.

Midsummer’s research tool UNO has previously been sold to e.g. the **University of New South Wales** (UNSW) where it is used for a tandem solar cell **project** with the objective to produce a highly efficient and stable Si/CIGS tandem solar cell with already commercialized technologies.

Other research projects where Midsummer’s versatile production equipment (UNO and DUO) is currently being used are a flexible tandem solar cell project with University of California, Los Angeles (**UCLA**), and Hi-BITS and PERSEUS (both pan-European solar projects funded by EU Horizon).

“We are happy to be the preferred supplier and cornerstone of research projects aiming at developing new and more efficient solar cell technologies,” said Eric Jaremalm, CEO, Midsummer. “Apart from the obvious pride in being an instrumental part of such important scientific research, there is also a potential huge commercial value in being the production supplier of choice for the mass manufacturing of next generation solar cells.”

Please see images attached. Links to images and other press material: [Press – Midsummer](#).

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About Midsummer

Midsummer is a Swedish solar energy company that develops, manufactures, and sells solar cells to construction, roofing and solar cell installation companies and also manufactures, sells and installs solar roofs directly to end customers. The company also develops and sells equipment for the production of flexible thin film solar cells to strategically selected partners and machinery for research. The solar cells are of CIGS technology (consist of copper, indium, gallium and selenide) and are thin, light, flexible, discreet and with a minimal carbon footprint compared with other solar panels.

The solar roofs are produced in Sweden using the company's own unique **DUO** system which has taken the position as the most widespread manufacturing tool for flexible CIGS solar cells in the world. The Company's shares (MIDS) are traded on Nasdaq First North Growth Market with Carnegie Investment Bank AB (publ) as Certified Adviser. For more information, please visit: midsummer.se

This information is information that Midsummer is obliged to make public pursuant to the EU Market Abuse Regulation. The information was submitted for publication, through the agency of the contact persons set out above, at 2024-02-08 08:40 CET.

Attachments

[Midsummer receives order from INL in Portugal for thin film solar cell research machine model UNO](#)