

Windar Photonics plc

("Windar" or the "Company")

Launch of Energy Technology Development and Demonstration Program in conjunction with the Danish Technology University

Windar Photonics PLC (AIM:WPHO), the technology group that has developed a cost efficient and innovative LiDAR wind sensor for use on electricity generating wind turbines, is pleased to announce the initiation of an Energy Technology Development and Demonstration Program ("EUDP") research and development project in conjunction with the project partner Danish Technological University, Department of Wind Energy ("DTU Wind"). The project includes a combined cash grant of €1.0 million over the coming 24 months that is to be split equally between the project partners.

DTU Wind is one of the leading Danish research institutes within the fields of meteorology, turbine technology, and power system integration. The main objective of the project is to expand the detection capabilities of the current Windar LiDAR systems to include a robust wake detection system, and additionally to develop new wind turbine control algorithms and strategies to further enhance the deployment of Windar LiDAR sensors within the wind turbine industry.

Generally, large numbers of wind turbines are erected in clusters or wind farms, where the wind flow is drastically different compared to a solitary wind turbine, due to the turbulence and wake generated by the neighbouring wind turbines. Due to the preventive nature of the wake-detection feature, the EUDP project aims to demonstrate and develop new wind turbine control algorithms and strategies for increased power production and a decrease to the load cycles affecting the wind turbine that is caused by wake-induced turbulence.

By offering a fully developed wake-detection feature followed by concrete wind turbine control strategies and proposals to the market, Windar expects to see enhanced OEM market penetration in the coming years.

Jørgen Korsgaard, Interim CEO of Windar Photonics, comments:

"Windar is today the leading low cost LiDAR system provider to the turbine industry, and besides the new wake-detection functionality, this project marks the start of a new era for the Company, where Windar in partnership with DTU Wind now also starts focusing on developing new turbine control algorithms and strategies in order to reach an optimal integration and use of the data provided by the LiDAR systems. Both Windar and DTU Wind are very pleased for the support EUDP hereby provide to this new program, which also marks the third consecutive EUDP project provided to Windar, DTU Wind and DTU Photonics."

The information contained within this announcement is deemed by the Group to constitute inside information as stipulated under the Market Abuse Regulations (EU) No. 596/2014 ("MAR"). Upon the publication of this announcement via a Regulatory Information Service ("RIS"), this inside information is now considered to be in the public domain.

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About EUDP

EUDP (Energy Technology Development and Demonstration Program) supports private companies and universities to develop and demonstrate new energy technologies. Support is given in accordance with EU state aid rules.

Foreign project participants can receive EUDP aid according to the same rules as Danish participants. However, the main applicant must be a Danish registered company or university. EUDP can support energy technologies widely such as renewable energy technologies, energy efficiency technologies, conversion technologies such as fuel cells and hydrogen, integration of energy systems including storage, more efficient methods for recovery of oil and gas and storage of CO₂.

<https://ens.dk/en/our-responsibilities/research-development/eudp>

About Windar

Windar Photonics is a technology group that develops cost-efficient and innovative Light Detection and Ranging ("LiDAR") optimisation systems for use on electricity generating wind turbines. LiDAR wind sensors in general are designed to remotely measure wind speed and direction.