

Photon Energy Subsidiary Photon Water Participates in Remediation of Lindane Contamination

- *Photon Water participates in the EU-funded LIFEPOPWAT project to deploy a unique technology called Wetland+ on sites suffering from strong lindane contamination.*
- *Photon Water participates in the full-scale deployment of the Wetland+ technology in Hajek (Czech Republic) and is involved in designing the pilot technology to fit the specific requirements of a site in Jaworzno (Poland).*
- *In parallel with the LIFEPOPWAT project, Photon Water is also part of another EU-funded project to map the presence and disposal of HCH and lindane across the EU.*

Amsterdam – 20 July 2020 – Photon Energy N.V. (WSE: PEN, the 'Group') announces that Photon Water Technology s.r.o. ('Photon Water' or the 'Company') – the Group's subsidiary dedicated to developing and distributing water treatment systems – has started design work for the deployment of a unique technology called Wetland+ at Jaworzno, a site in Poland, as part of an international consortium to implement the EU-funded project *Innovative Technology Based on Constructed Wetlands for Treatment of Pesticide-Contaminated Waters* (LIFEPOPWAT).

The heavily research-based technology is expected to reduce the levels of HCH in stream waters near the site. Lindane, a form of HCH, was widely used in the EU as a pesticide and a treatment for lice and scabies until its production and application were banned in 2004. Nevertheless, this persistent organic pollutant still poses serious health risks for the residents of affected areas.

The Polish part of the consortium is represented by the Central Mining Institute (pl. *Główny Instytut Górnictwa*) and the City of Jaworzno. In addition to Photon Water, participants in the consortium include the Technical University of Liberec (CZ) and Aarhus University (DK), as well as SERPOL (FR) and the Czech state-owned company DIAMO (CZ). The project commenced on 1 January 2020 and is scheduled to end on 31 December 2023.

In parallel with the LIFEPOPWAT project, Photon Water is part of another EU-funded consortium project to map and improve the knowledge base regarding the presence and disposal of HCH and lindane in the EU. Photon Water has been sub-contracted by the company leading the project, Tauw BV, to help with the inventorisation of HCH-contaminated sites in the Czech Republic and to assist one of the site owners with HCH-contaminated site management.

'Photon Water's participation in these two projects is testament to our team's capabilities across multiple areas linked to water treatment and lake management as well as ground water and soil remediation. Lindane is unfortunately only one of many contaminants polluting our environment and threatening our health. Through our business line Photon Water, we are determined to contribute to the enormous task of remediating the widespread damage globally,' comments Georg Hotar, CEO of Photon Energy.

Replicating the proven business model of Photon Energy, which provides solar solutions and services, Photon Water develops and supplies water purification, remediation, and treatment systems such as



ultrasonic algae control and membrane technology. Additionally, the company develops and provides contaminated groundwater and land remediation solutions suitable for a variety of applications, addressing major environmental issues on a global scale.

ABOUT PHOTON WATER TECHNOLOGY

A subsidiary of the global solar energy solutions provider Photon Energy NV, Photon Water Technology develops and supplies water purification, remediation and treatment systems for a global deployment. The company boasts a team of seasoned experts with extensive experience and applies cutting-edge technologies when implementing its water solutions not only for municipalities, but also commercial and industrial customers. Photon Water Technology is based in Liberec, Czech Republic, that is becoming one of the world's leading nanotechnology hubs. For more information about Photon Water Technology visit www.photonwater.com.

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