

Photon Water announces a trial with the Australian Government, Department of Defence, for the treatment of PFAS contaminated groundwater

- *The Jervis Bay Range Facility within HMAS Creswell and the Marine Park was selected as a site appropriate for Photon Water's in-situ nano-remediation technology.*
- *The technology indicates an ability to break down PFAS within groundwater and involves patent-pending chemical programs, energy applications and control systems.*
- *The in-situ PFAS removal will not require any pumping, surface treatment or disposal processes.*

Amsterdam – 29 September 2020 – Photon Energy N.V. (WSE: PEN, the 'Group' or 'Company') today announced that the Group's division Photon Water has recently entered into a contract with the Australian Government, Department of Defence, with the commencement of a trial phase PFAS remediation program. This program is designed to demonstrate the in-situ removal of PFAS from groundwater without the need for pumping and surface treatment or disposal processes.

The Department of Defence works closely with industry and research partners to better understand PFAS management and remediation options.

Photon Water has made substantial research and technical advances associated with its proprietary nano-remediation applications. The technology indicates an ability to break down PFAS within groundwater and involves patent-pending chemical programs, energy applications and control systems.

The Department of Defence and Photon Water reviewed site specific factors including hydrogeology, soil characteristics, contamination levels and exposure pathways across multiple contaminated sites. The Jervis Bay Range Facility within HMAS Creswell and Marine Park was selected as a site appropriate for Photon Water's in-situ nano-remediation technology.

'Throughout this project, Photon Water's strategy is to deliver efficient and cost-effective initiatives to remove PFAS from the environment. The removal of PFAS through in-situ treatment is globally unique, and we are very focused on working with the Department of Defence to demonstrate and verify this technology, support the community, and deliver an environmental and commercially successful solution,' commented Ian Phillipps, General Manager of Photon Water Australia.

'Nano-remediation is a core technology in our vision of clean energy and water for everyone. We have successfully utilised the technology to remediate sites impacted by chlorinated compounds in Europe and the results of testing on PFAS are very encouraging. With this trial we aim to prove the effectiveness and benefits of in-situ nano-remediation to remove PFAS contamination from the environment. We welcome the leadership the Department of Defence are showing in tackling this issue,' commented Michael Gartner, Managing Director, Photon Energy Group Australia.

'Australia is at the forefront of tackling the environmental impacts of PFAS pollution worldwide and Photon Water are highly committed to demonstrating a technical solution for PFAS with the Department of Defence. We are proud and thrilled to work with the Department of Defence to deploy our in-situ nano-

remediation technology in the Jervis Bay Range Facility and to confirm its efficacy in PFAS removal,' concluded Georg Hotar, Chief Executive Officer of Photon Energy N.V.

ABOUT PHOTON ENERGY

Photon Energy N.V. is a global solar energy solutions and services company covering the entire lifecycle of solar energy systems. Since its foundation in 2008, Photon Energy has built and commissioned over 90 MWp of solar power plants across two continents and 60.6 MWp as part of our own portfolio. Current project development includes a project pipeline of 738 MWp in Australia (580 MWp in partnership with Canadian Solar) and 42.6 MWp in Hungary. The O&M division provides operations and maintenance services for over 300 MWp worldwide. Additionally, its subsidiary Photon Water Technology (PWT), focuses on developing and providing water purification, remediation and treatment systems for worldwide deployment. Photon Energy is headquartered in Amsterdam and listed at the Warsaw Stock Exchange under the ticker symbol 'PEN'. The company has offices in Europe, Australia, and South America. For more information, please visit www.photonenergy.com.

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