

Photon Water Technology successfully completed a grant project for the supply of drinking water treatment technology in Peru

- *In 2020, Photon Water Technology s.r.o. completed the project “Drinking water treatment plants for small and medium-sized municipalities in Peru” co-financed by a grant programme of the Czech Development Agency*
- *Between 2018 and 2020, a total of ten drinking water treatment plants for residents were installed in small municipalities and communities in the regions of Tacna and Cusco in Peru.*
- *Despite the global Covid-19 pandemic in 2020, a small drinking water treatment plant was supplied to the University of Tacna, including operator training, pilot operation and follow-up monitoring.*

Amsterdam – 9 November 2020 – In November 2020, Photon Water Technology s.r.o., a subsidiary of the solar group Photon Energy N.V., completed the implementation of a drinking water treatment project in Peru, which was supported by the Czech Republic’s foreign development cooperation within the B2B programme of the Czech Development Agency *Partnership with the private sector*.

Between 2018 and 2020, a total of ten drinking water treatment plants were installed in small municipalities and communities in the Tacna and Cusco regions, providing residents with a long-term reliable supply of safe drinking water. The total cost of the three-year project was 9.637 million CZK (357 thousand EUR), of which 4.819 million CZK (178.5 thousand EUR) was covered by a subsidy from the Czech Development Agency. [See the video to find out more.](#)

Despite the adverse situation caused by the global Covid-19 pandemic, all of the planned activities were successfully completed in the last year of the project. In 2020, the support of the Czech Development Agency was 663 thousand CZK (24.5 thousand EUR) from the total annual budget of the project of 1.326 million CZK (49.1 thousand EUR), while Photon Water Technology s.r.o. financed the remaining half of the necessary funds from its own resources.

“Business activities in Peru, including the supply of small water treatment plants, would not have been possible without the support of another company from our group Photon Energy Peru S.A.C., which was established in November 2018. This was reaffirmed in 2020, when most of the world’s economies were hit by the coronavirus pandemic. This year, the local partner also played a key role in the most important activities of the B2B project,” says Dr. Petr Kvapil, Director of Photon Water Technology s.r.o.

In October 2020, a small water treatment plant was donated to the Jorge Basadre Grohmann University of Tacna at the Universidad Nacional. This reverse osmosis water treatment plant was installed at the Laboratorio de la Minería, ambiente de Servicios Auxiliares, where it will be used both in research projects and for the production of treated water for university staff and students. The treatment plant was put into pilot operation, operator training was provided and monitoring began to prove the stability of the achieved water quality.

“The first contacts were established with the university, which is actively involved in treatment technologies in the field of science and research projects, in 2019, when its representatives expressed interest in cooperation, not only in the supply of treatment technologies for specific projects, but also in the transfer of our know-how,” comments Dr Petr Kvapil.

The experience gained and the results achieved by the project will allow Photon Water Technology s.r.o. to offer solutions in other areas of Peru and in other countries in South America, where due to volcanic activity or negative impacts of mineral extraction, a large part of the population consumes water heavily contaminated with hazardous salts, boron and metals such as arsenic, lead and mercury. The low quality of drinking water represents a pressing issue for the whole region.



Picture 1: The Jorge Basadre Grohmann National University campus in Tacna



Picture 2: Handover of the water treatment unit to the fellows of the University of Tacna



Picture 3: Drinking water treatment plant at the Laboratory of Mining industry, auxiliary Services Environment: Dante Morales (left), Research Professor at the Jorge Basadre Grohmann National University, Head of the Water Research Project, with a member of Photon Energy Perú S.A.C.

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ABOUT THE CZECH DEVELOPMENT AGENCY

The Czech Development Agency is a government organization that operates under the Ministry of Foreign Affairs of the Czech Republic in the field of foreign development cooperation. Its main goal is to reduce poverty, improve quality of life and promote sustainable development across the world. Working to support the Czech private sector, it helps Czech companies to look for sustainable development projects in developing countries in the fields related to economy, employment, education, environment, etc. It is primarily responsible for the preparation, financing and monitoring of development projects as well as assistance to those during their implementation. It manages an annual budget of some CZK 500 billion and implements development projects in 12 partner countries. For more information about the Czech Development Agency visit www.czechaid.cz.

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.