



 Photon Energy Group

At a Glance

photonenergy.com

Who We Are

At Photon Energy Group, we are dedicated to ensuring that everyone has access to clean, affordable energy and water.

We deploy technology to provide these fundamentals and help build a thriving, sustainable world.

We take a holistic approach to our work, within our companies and as a group, offering solutions that can be delivered separately or as an integrated package. This allows us to meet the complete needs of our customers and takes us closer to our vision of a world where energy and water – the fundamentals of life – are clean, safe and accessible to all.

Photon Energy

Our solar power solutions and services cover the entire lifecycle of photovoltaic power plants.

Photon Water

We offer comprehensive clean water solutions, from treatment services to the management of wells and other resources.

How We Work

Our Values



Innovation

We think creatively to deliver solutions and actualise our vision.



Safety

We prioritise the health and well-being of everyone impacted by our work.



Sustainability

We understand the importance of foresight and long-term thinking.



Community

We believe it is our responsibility to enrich every community we are a part of.



Integrity

We operate with honesty and respect, and we never compromise our values.

Sustainability

We have a responsibility to ensure that our work provides consistent, long-term benefits to the people and communities impacted by it, and to the world at large. This understanding is fundamental to our ethical principles and is essential for our ongoing success and the growth of our business.

As such, we are committed to the highest standards of sustainability in all of our practices, on every scale.





Founded in
2008



Headquartered in
Amsterdam



140+
employees



Active in
10+ countries



Shares traded
in PL, CZ and DE

Our Customers

We provide innovative, tailor-made solutions for a wide range of applications.

- Commercial and residential buildings
- Industry, transportation and agriculture
- Municipalities, power and water utilities
- Remote communities and infrastructure



Photon Energy

Experts for the Solar Age

From project development to operations and maintenance, our work covers the entire lifecycle of photovoltaic power systems. Our long-term experience in the solar energy industry enables us

to provide customised solutions and help our customers gain energy security and independence by powering their operations with clean, cost-effective energy.

Our Services



Project
Development



EPC
Solutions



Operations and
Maintenance



Technology



LED
Lighting

Our Portfolio

As well as delivering services and solutions to our customers, we actively invest in solar power plants worldwide for the sustainable production and sale of renewable energy.

Our portfolio includes 87 power plants with a combined capacity of 91 MWp. In addition, projects with a combined capacity of over 740 MWp are currently under development.

Photon Energy in Numbers

91 MWp

in operation

120+ MWp

constructed

300+ MWp





in our O&M portfolio

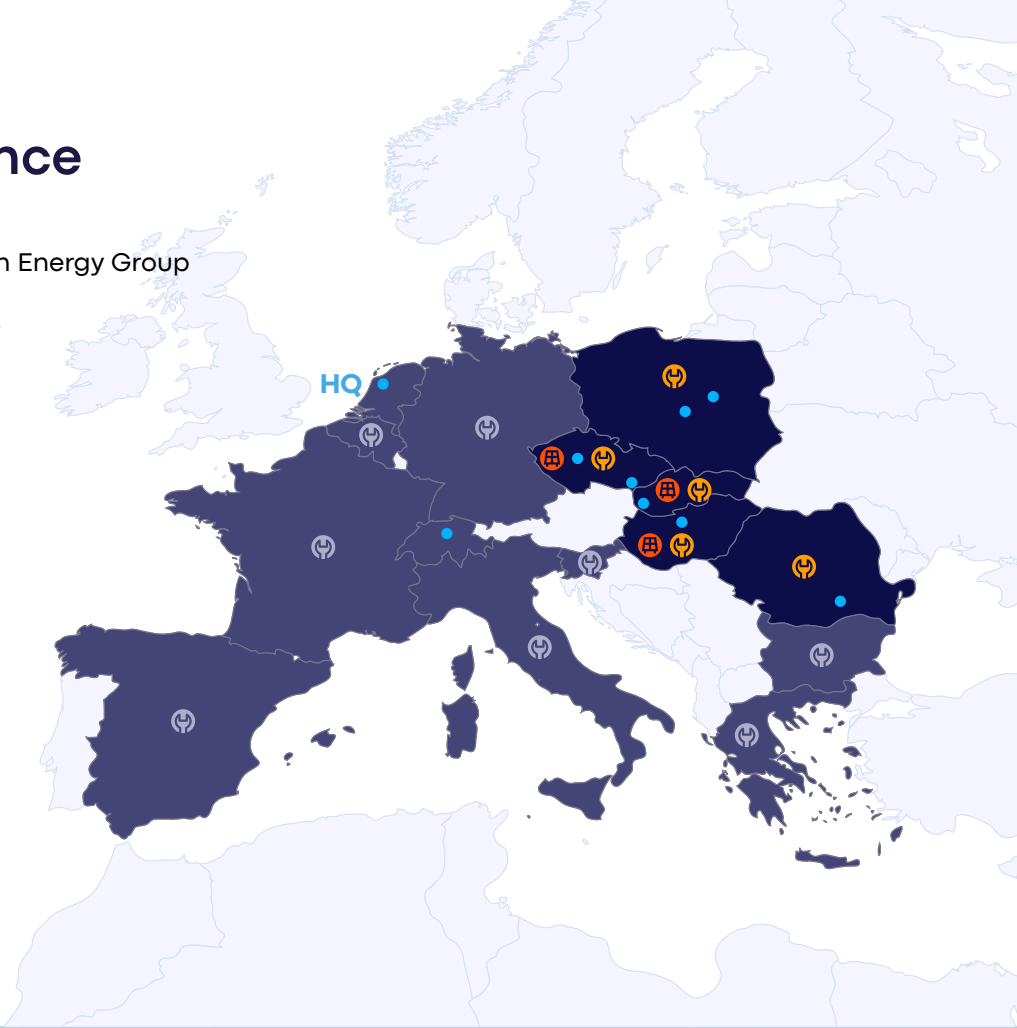
740+ MWp

in development



Our Global Presence

-  Power Plants Owned by Photon Energy Group
-  O&M Services for Power Plants
-  Inverter Maintenance Services
-  Photon Energy Group Offices



Photon Energy Services

Project Development

Solar energy solutions from concept to completion.

From large-scale power plants to off-grid energy systems in remote communities, we understand the wealth of possibilities inherent in solar power.

With years of experience on projects of all shapes and sizes, and as owners and operators of our own solar power plants, we have the expertise and proven track record to navigate any project through all stages of development. Whatever the challenge, we can deliver a solution.

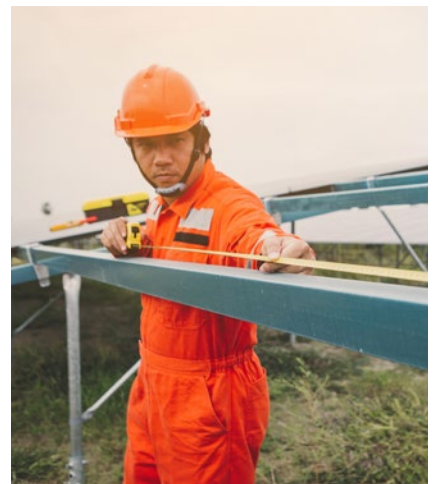


EPC Solutions

Complete turnkey solutions.

We design and build power plants and storage solutions with quality and longevity in mind. We have a proven track record of delivering engineering, procurement and construction services that can actualise any solar energy project, providing our customers with sustainable, efficient and reliable energy as well as significant long-term cost savings.

Our solar power solutions are fully designed, engineered, project managed and commissioned by in-house engineers with extensive international experience.



Commercial, Industrial and Institutional Solar Projects

Achieve net-zero commitments while lowering operational costs.

We provide solar power, energy storage and energy management solutions for businesses of different sizes, from large power consumers to small businesses, municipalities, local communities or public institutions.



Operations and Maintenance

Comprehensive O&M services for any PV installation.

We manage over 300 MWp worldwide, providing a full range of services, including monitoring and inverter maintenance.

Our philosophy is to maximise environmental and financial benefits for our clients by carrying out preventative maintenance to extend the useful life of their assets. The power plants we manage run with an average uptime of more than 99%.

Photon Energy is an asset owner as well as a service provider; we understand our clients' needs because we are one ourselves.



Technology

World-class technology delivering world-class performance.

We procure solar technology to fit any project's location, design and budget.

We maintain close relationships with industry-leading manufacturers such as Huawei, Jinko Solar, Longi Solar, JA Solar and Mounting Systems.

This enables us to provide our clients with the best technological solutions for their project's location, design and budget.



LED Lighting

Smart lighting for energy-efficient facilities.

LED is one of the most energy-efficient and rapidly developing lighting technologies. Suitable for businesses and municipalities, it provides significant cost savings and smaller environmental footprint due to low power consumption, integrated controls and extended lifetime compared to fluorescent or halogen lights.

Our services include a comprehensive evaluation of our customers' needs, including technical and regulatory requirements. This allows us to provide customised solutions that are safe, efficient and cost effective.



Photon Water

Clean Water for a Healthy World

Clean water is a human right and is essential for a healthy, sustainable world.

Our comprehensive services and solutions help to ensure that clean water is accessible to everyone.

Our Services



Water Treatment



Remediation



Wells and Resources



Water Resource Management

Water Treatment

Water treatment solutions to meet any challenge, in any environment.

We deliver treatment solutions around the world, including potable and wastewater treatment, hazardous liquid waste and industrial water treatment.

Our solutions are customisable and comprehensive, ranging from the treatment of drinking water to the large-scale treatment of hazardous liquid waste.



Remediation

Water and soil contamination are harmful to local communities and the Earth itself.

Through the process of remediation, we remove harmful pollutants, leaving soil healthy and water safe to use.

Different methods of remediation are available depending on the site and the type of pollutants involved. We have the expertise to assess our customers' needs and provide the safest, most effective remediation solutions.



Wells and Resources

Complete services for new and existing water wells.

Our services are comprehensive and cover the complete lifecycle of water wells, from planning and design to decommissioning.

We have the expertise and proven track record to provide customized water well solutions using state-of-the-art technology and techniques.

Our work is research-based and prioritises both safety and efficiency, grounded in our mission to ensure access to clean water for people and communities around the world.



Water Resource Management

Comprehensive, customised solutions for water systems and resources.

We help our customers make the best, most efficient use of their water resources, such as lakes, ponds and industrial water bodies.

Our work is research-based and prioritises both safety and efficiency, grounded in our mission to ensure access to clean water for people and communities around the world.



PFAS Contamination

Per- and polyfluorinated substances (PFAS) are a group of chemicals used to make various industrial and household products. Some common uses of PFAS are in adhesives and fire-fighting foam.

Because PFAS don't break down naturally, they've accumulated in water and soil around the world. These chemicals pose a serious risk to our health.

Photon Water is at the forefront of the effort to address the impacts of PFAS contamination. We engage in ongoing research and development and have devised a unique nanoremediation solution to manage PFAS contamination in ground water.




Hybrid Solar Battery System for a UNESCO World Heritage Site


A unique solution to reduce Lord Howe Island’s dependency on diesel power by 67%.

PARTNER Lord Howe Island Board

LOCATION Lord Howe Island, Australia

SERVICES  Project Development

 EPC Solutions

 Operations & Maintenance

We designed, built and commissioned a 1.3 MWp solar PV and 3.7 MWh battery storage solution on Lord Howe Island, a UNESCO World Heritage Site located in the Tasman Sea, 700 km north-east

of Sydney. The solution is integrated with a local microgrid supported by diesel generators, which previously formed the main power source for the island’s community.



Source: Lord Howe Island Board
Photo credit: Jack C Shick

Wetland Restoration in the Czech Republic

A new refuge for aquatic wildlife.


PARTNERS

The Municipality of Hamr na Jezeře
The Regional Office of the Liberec Region

LOCATION

Hamr na Jezeře, Czech Republic

SERVICES

 Water Resource
Management

We implemented a wetland restoration project to improve water retention in the landscape, increase local biodiversity, enhancing the overall environment for residents and visitors alike.

The system of ponds of varying depths and sizes provides a place for the reproduction of amphibians and waterfowl and at the same time a refuge for other aquatic plants and animals.





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