



P H O T O N
E N E R G Y

Photon Energy specialises in the design, supply, installation and maintenance of solar photovoltaic (PV) and battery storage systems

Leading the way with renewable energy

Our Company

Photon Energy specialises in the design, supply, installation and maintenance of solar photovoltaic (PV) and battery storage systems. Established in 2006, we have become one of the UK's leading independent installers of solar PV systems with a strong reputation for our technical expertise and engineering excellence.

With our headquarters in Reading and offices in Poole, Dartford, Huddersfield and Lancaster, we have a strong presence throughout the UK. To date we have installed over 20 MW of roof-mounted solar PV on:

- Commercial, industrial and retail buildings
- Residential property (new build and retrofit)
- Council offices, hospitals, fire stations and prisons
- Schools, colleges and universities
- Supermarkets, warehouses and distribution centres
- Grain stores, barns and other agricultural buildings

As a certified installer under the Microgeneration Certification Scheme, we are committed to delivering a high quality, value for money service to our clients.

Our Services

We offer a full turnkey service for the design and installation of commercial solar PV and battery storage systems.

Design and Installation

Our in-house teams of design engineers, electricians and roofers ensure the systems we install are delivered seamlessly and with the minimum of disruption. Whether it's installing a commercial battery system, a 1 MWp system on the roof of a new industrial facility, working with a major house-builder, or retrofitting an operational NHS facility, our highly trained, professional staff ensure the highest standards are maintained.

Operation and Maintenance (O&M)

We also provide O&M services to help ensure that customers get the maximum value from their systems on an ongoing basis.

Remedial Works

There are many solar PV systems which have been poorly installed and fail to meet even basic electrical safety standards. We offer a remedial works service where we will audit existing installations and provide a "punch list" and costing of works needed to ensure the installation meets the requirements of BS7671 Wiring Regulations and the IET Code of Practice for Grid-connected PV Systems.

Our Clients

We have worked on new build and retrofit projects for a wide range of customers including:

- Blue-chip companies such as Tesco, Npower, Shoezone, BSKyB and Hitachi Rail.
- Main contractors and M&E contractors. We regularly work with some of the country's largest construction and M&E companies including Balfour Beatty, BAM Construction, Briggs and Forrester, Carillion, Galliford Try, Interserve, Kier Group, Lorne Stewart, Morgan Sindall, NG Bailey, Skanska, Wates and Willmott Dixon.
- House builders. Our clients include Bellway Homes, Bloor, Hill, Persimmon Homes and Taylor Wimpey.
- Housing associations and Registered Social Landlords.
- The public sector. We have installed PV systems for Local Authorities, NHS Trusts, Prisons and Fire Services.
- Universities, schools and colleges. Recent clients include Bournemouth University, Christ's Hospital, Coventry University and the University of Birmingham.

Our Certifications

We are committed to providing high quality services to our customers and have been certified by the following schemes and organisations:

- Microgeneration Certification Scheme (MCS) for the installation of solar PV systems (Certificate number NIC4118).
- NICEIC Approved Contractor.
- Our Quality Management System is certified to BS EN ISO 9001:2015.
- Our Environmental Management System is certified to BS EN ISO 14001:2015.
- Certified Designer and Contractor under the Contractors' Health and Safety Assessment Scheme (CHAS).
- Certified Designer and Principal Contractor under the SMAS Worksafe Contractor Scheme.
- SafeContractor Approved.
- Member of Constructionline, the UK's register of pre-qualified local and national construction and construction-related suppliers.
- We are a member of PVCYCLE to ensure we are compliant with the WEEE directive (WEE/CD4777RY).

Our Ethics

Acting in a socially responsible manner is important to us and also to our clients. We take great care in selecting our suppliers and work to an ethical trading policy to ensure our suppliers meet internationally accepted standards for human rights, labour standards, the environment and anti-corruption. We also have anti-bribery and anti-slavery policies in place.

As a socially responsible business, we endeavour to ensure that:

- All products we supply are manufactured under working conditions that meet international safety standards.
 - Everyone who is involved in the manufacture of products and the delivery of services which we provide is treated with full consideration of their basic human rights.
 - We always strive to act ethically, going above and beyond basic legal requirements.
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Our Technologies

We are a solar PV company specialising in rooftop systems and battery storage. We are not tied to any particular supplier so we can supply and install products from a range of manufacturers and suppliers, giving us increased flexibility in meeting the needs of our clients.

Solar PV systems

We offer a wide range of solar PV systems from 1 kW to 5 MW in size: our skilled team of professional engineers can design a solar PV system for almost any roof area or roof type.

All our solar PV systems are supplied with a 2 year installation warranty. Most PV modules have a 25 year power output warranty. All our inverters are G83 or G59 approved and have a minimum 5 year warranty which can be extended to 10 years. We only source high quality mounting systems from European manufacturers.

Battery storage systems

We also design and install battery storage systems for commercial and industrial applications. There has been huge progress in the development of storage batteries, resulting in increased performance and life expectancy at continually falling costs.

We are an approved Tesla Powerwall installer for residential systems and one of only a very few companies approved to install the Tesla Powerpack for commercial battery systems. We can also fit other brands such as LG Chem, Aquion, sonnenBatterie and Leclanché.

Our Financing

We can offer finance for both public sector and corporate customers, either through a power purchase agreement (PPA) or a lease purchase:

- PPAs can be an excellent way of fixing future electricity costs, with no capital expenditure by the customer. PPAs are financed through a 3rd party who owns the solar PV system and signs a roof lease with the building/land owner, who then commits to buy the solar electricity at an agreed price for a fixed term of typically 20 years. At the end of the term, ownership of the PV system transfers to the building owner.
- Lease purchases are also financed by a 3rd party over a term of up to 5 years after which ownership transfers in much the same way as with a car purchase.

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To find out more about Photon Energy contact

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or visit www.photonenergy.co.uk