



Solar PV

ENWCML Energy help commercial businesses to identify, develop, design and install flexible distribution generation projects

Reducing your carbon footprint and energy costs by harnessing the sun's free energy with a bespoke designed Solar Photovoltaic (PV) panel installation

**electricity
north west**

Construction and Maintenance

energy



Welcome to Electricity North West Construction & Maintenance

ENWCML is operating in a dynamic, rapidly changing environment influenced by the shift towards a sustainable and renewable energy supply. As a reaction to the paradigm shift within the energy market, we have launched **ENWCML Energy** to assist our customers in adapting to these changes and achieving their carbon reduction targets.

Following the UK Governments pledge to reach their net zero target by 2050, there is no better time to help reshape our society in the way in which we consume energy. ENWCML Energy are perfectly positioned to help facilitate these ambitious targets through the provision of low carbon energy solutions across the UK, including Solar PV. ENWCML Energy have partnered with SAS Energy, a national award winning company with over 12 years of experience in the industry, to help you achieve these ambitious targets.

Electricity North West (Construction and Maintenance) Limited (ENWCML)

is a power solutions contracting business with over 30 years' industry experience. Currently managing and maintaining over 2,000 customer substations and regularly servicing around 5,000 major items of equipment for a wide range of industrial and commercial clients.

Solar Photovoltaics (PV)

ENWCML Energy can help your business to create and deliver a Solar PV strategy that will reduce not only your

360° Solution

From initial discussion, through to survey, finance, design, project management/ installation and ongoing 24/7 maintenance.

carbon emissions but also lower your energy bills in one project. ENWCML Energy has partnered with SAS Energy so your project is guaranteed to be in safe hands. Along with SAS Energy, we will assess, design and deliver your renewable energy solar solution on time and to the highest of standards. Solar Photovoltaic (PV) solutions can be placed on your organisations' roof, on the ground, on a carport and even on water.



The direction of the panels position plus the required angle towards the energy source will be calculated and maximised by our in-house designers. The initial survey will highlight the most suitable location(s) and will assess if any pre-project works will be needed.

Solar PV Solution Elements

The critical elements of a Solar PV solution are solar panels and inverters. We are pleased to highlight that both of these critical elements have continued to fall in price over recent years, whilst becoming smarter and more efficient. This is a result of the increased demand and production for Solar PV solutions across the world and the subsequent economies of scale. Many organisations state that there has never been a better time to invest in Solar PV and switch to renewable energy.

Once the project has finished, been commissioned and switched on, and is generating renewable energy, we recommend that you link your Solar PV system to a display portal. This display could be located at your reception area, or in an alternate high traffic area in your building. This portal displays top line renewable energy generation facts in an easy to digest format. A more detailed level of energy generation information is also available for management reports and for carbon reduction reports. This information could also be seen 24/7 by our partner - SAS ENERGY and their O&M department who would be able to see when panel cleaning or an inverter needed servicing in order to keep the system running to its optimum capacity.

Solar PV Finance

A Solar PV solution is usually financed via one of the following financial options: PPA, Lease or CAPEX. Our Energy Consultants can take you through the latest finance offers and grants to ensure that this project is as cost-effective as possible.

Purchase Power Agreement or PPA, is an agreement between the owner/generator and an end user of the energy. The energy generated from the system is sold to an organisation at a predetermined price, the PPA covers the warranty and O&M of the system for the length of the contract through the cost of the energy sold. There is no upfront cost to the consumer of the energy and they can use green energy from the system instead of purchasing all their power from the grid, thus achieving their sustainability targets. This solution allows the asset to sit off balance sheet thus incurring no capital allowance taxes for the user of the energy.

A Lease Finance Agreement, the customer leases the renewable energy solution and benefits from the resulting energy from the Solar PV system.

There are no upfront costs, but ongoing lease payments must be made, which are offset by the free energy supplied from the Solar PV. At the end of the lease term, the asset is transferred to the customer, allowing even greater ongoing benefits.

CAPEX - Straight forward cash model where the client funds the system themselves and contracts to a long-term O&M agreement to maintain the array for the term. All finance options can be discussed with ENWCML Energy and SAS consultants who are experienced in the finance alternatives.

Why Solar PV?

Reduction of Your Energy Costs

With a Solar PV installation, you become an energy generator supplying your organisation with energy for it to use. You are using the sun's free energy to power your buildings. The energy harnessed from your Solar PV project will be captured at a much lower cost vs your current energy agreement, resulting in lower monthly or quarterly energy usage costs. ENWCML states it aims to reduce your energy costs by 20%.

Sell Your Residual Energy

If you generate more energy than you use, you can sell the residual energy onto the wholesale energy market but to sell your energy as renewable energy, you need Renewable Energy Guarantee of Origin documents.

Reducing Your Carbon Emissions

Reducing your organisations annual carbon emissions is required to meet the UK Governments Net Zero Carbon strategy in time. Your business contacts and clients will also be working towards lowering their carbon emissions and so will approve of this renewable and sustainable energy development, as will your employees.

Your renewable energy solution will be in safe and experienced hands

IS SOLAR RIGHT FOR YOU?

THE RISK FREE TEST PROCESS TO ANSWER THIS QUESTION FOR YOU



Our Process

The right solution for you will be determined following our free initial consultation and desktop outline business proposal. Before we begin any project, we need to collect the data on energy usage for your site to ensure that any system we design is specifically built for your energy needs. By reviewing the data collected we can provide a desktop proposal which outlines both CAPEX and funded options for your proposed Solar PV system. Once agreed, we can move to a full site survey which will give us a detailed design and final cost of the installation, during this we will identify points of connection, roof access and roof integrity. We will then provide you with the full quote of the installation for you to decide to install or not.

Solar and Storage

Electricity produced from Solar PV varies with the time of day, and the weather. This means that sometimes a solar power system will produce more, and sometimes not enough energy for the process it is powering.

When surplus electricity is produced, it can be stored and used at another time. This means that businesses can ensure that all the power generated from a solar system is used. This helps to keep costs low, reduce carbon emissions, and maintain a steady supply of electricity.

Energy can be stored in several ways. Traditionally, it has been stored in the water reservoirs which are used in hydroelectric power stations. Batteries are now also becoming common: ENWCML Energy and SAS can assess the viability of co-locating Battery Energy Storage Systems (BESS) to your Solar PV and if it's feasible, can install these systems alongside PV to enhance the productivity of your project.

If you would like to explore co-locating BESS to your existing or new Solar PV installation, then please get in touch to discuss your options.

ENWCML and SAS ENERGY are committed to providing you with state-of-the-art renewable energy solutions: contact us today to find out how we can help you and your organisation

For more information about our products and services visit: www.enwcml.co.uk

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Call: 0845 0702520 to arrange your survey now or email us at: sales@enwcml.co.uk



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Delivering in partnership with

