

SOLAR ENERGY FOR

FARMING & AGRICULTURAL





POWERING MODERN FARMING

Modern farming relies on energy.

From refrigeration, ventilation and lighting to milking equipment, processing, irrigation and machinery, electricity can represent a significant operating cost for agricultural businesses.

At the same time, farms are managing pressure on margins, fluctuating input costs and growing expectations around sustainability throughout the food and agricultural supply chain.

For farms with suitable buildings, solar provides a practical opportunity to generate more electricity on site, reduce reliance on the grid and gain greater control over long-term energy costs.

Shawton Energy works with farming and agricultural businesses to turn existing roof space into a productive energy asset, helping reduce costs and support a more sustainable future.



WHY CHOOSE SOLAR?



Large Rooftop Potential

Barns, livestock buildings, grain stores and machinery sheds can offer significant space for solar generation.



Use Existing Assets

Rooftop solar makes productive use of buildings already essential to the agricultural operation.



Protect Productive Land

Rooftop installations provide solar generation without taking productive farmland out of agricultural use.



Reduce Grid Reliance

Generate electricity on site and use more of it directly, reducing the amount of power purchased from the grid.



REDUCING COSTS WITHOUT SIGNIFICANT CAPITAL INVESTMENT

Agricultural businesses face growing uncertainty around energy costs, particularly where energy-intensive equipment and processes operate throughout the day.

Generating renewable electricity on site can reduce reliance on the grid, improve visibility over future energy costs and deliver meaningful long-term savings.

Through a Power Purchase Agreement (PPA), Shawton Energy can fund, design, deliver, own and operate a solar system on suitable agricultural buildings. The business simply purchases the renewable electricity generated at an agreed rate, accessing lower-cost power without significant upfront capital investment.

This allows farms to reduce energy costs while preserving capital for livestock, machinery, buildings and wider business growth.

Shawton Energy forms part of AMPYR Distributed Energy, combining specialist project development and delivery with long-term infrastructure funding and ownership.



No upfront costs

The solar PV system is installed and funded by Shawton Energy, so you do not need to make a large initial capital investment.



Stable energy costs

A power purchase agreement gives you greater certainty over electricity pricing across the contract period.



Lower electricity bills

Electricity generated on site from solar PV is often cheaper than grid electricity in the UK, leading to immediate savings on your energy bills.



No maintenance responsibility

Shawton Energy typically handles installation, monitoring, and maintenance, so you benefit from solar power without the operational burden.



OUR PROCESS

01 Scope

We begin by thoroughly understanding your business needs, future energy goals, available roof or ground space, and site layout. This helps us design the most effective solar solutions tailored to your specific situation. If any repair work is required before installation, we offer a range of solutions to ensure your site is fully prepared for optimal solar performance.

02 Design

We develop and present an optimal solar panel design tailored for your business. Our goal is to deliver significant cost savings while ensuring the design aligns with your carbon reduction commitments. By understanding your unique energy needs and sustainability objectives, we create a solar solution that maximises efficiency and supports your long-term environmental goals.

03 Sign-Off

We facilitate the agreement and sign-off process for the Power Purchase Agreement (PPA) and lease agreements. This ensures that all terms are clearly defined and mutually agreed upon, providing a solid foundation for your solar project. These agreements outline the financial and operational aspects of your solar installation, ensuring transparency and alignment with your business objectives.

04 Install

We understand that a dairy farm has very different demand patterns to a poultry operation, cold storage facility or arable business. The age and condition buildings can also vary significantly across a single site.

We assess energy consumption alongside available roof space, building suitability, electrical infrastructure and future plans to determine where solar can deliver the greatest value.

05 Maintain

Under a PPA, we provide real-time management of your solar energy generation and supply, ensuring optimal performance at all times. Our team is dedicated to maintaining your equipment through regular servicing and prompt repairs, reducing downtime and increasing efficiency. This proactive approach ensures that your solar system operates smoothly and reliably, supporting your business's energy needs.

CASE STUDIES

Iceland 10 MWp PPA multi-site rollout

Solar rollout across distribution & retail sites.



Kings Cross 8.6 MWp Solar Farm

Supplying clean power directly to King's Cross estate. Landmark example of off-site corporate PPAs via virtual PPA.



IGC 3 MWp Roof Top Install

Full turn-key solution, under a 25-Year Power Purchase Agreement.



Uniroyal 1 MWp

Installed over a 16 week period, with no disruption to the site.



Carlton Academy 817kWp over 7 sites

Solar deployment delivered with no upfront cost under a PPA.



INSTALLATION HISTORY & PROGRESS

405

Solar Installations delivered over the last 5 Years.

>100 MWp

Of clean energy operational today.

320 MWp

Pipeline launching from January 2026.

See the map on the right for all the locations across the UK where Shawton Energy Solar PV Systems are currently installed or in development..



FULLY FUNDED, TURN-KEY LONG TERM SOLUTIONS

Every farm is different, but many already have one of the most important ingredients for a successful solar project: **large areas of existing roof space.**

If you are exploring ways to reduce energy costs, improve sustainability performance, or strengthen your long-term energy strategy, we would be happy to discuss the opportunities available.

Get in touch with the Shawton Energy team to arrange an initial discussion and feasibility assessment.



hello@shawtonenergy.co.uk



01925 794 874



shawtonenergy.co.uk



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