



Renewable Energy Solutions

The **power** is in the detail



Diligence, honesty, excellence

...the Westwood Energy way

Westwood Energy has been powering UK farms and estates since 2016, helping our clients to typically offset a third of their energy demands a year across 250 agricultural properties nationwide.

We provide solar PV installations on pig and poultry sheds, cold stores, grain stores, dairies, and other agricultural buildings to help you take control of your energy bills.

Our systems prioritise safety, featuring full voltage control of both AC/DC circuits, advanced thermal monitoring, and rapid shutdown capabilities.

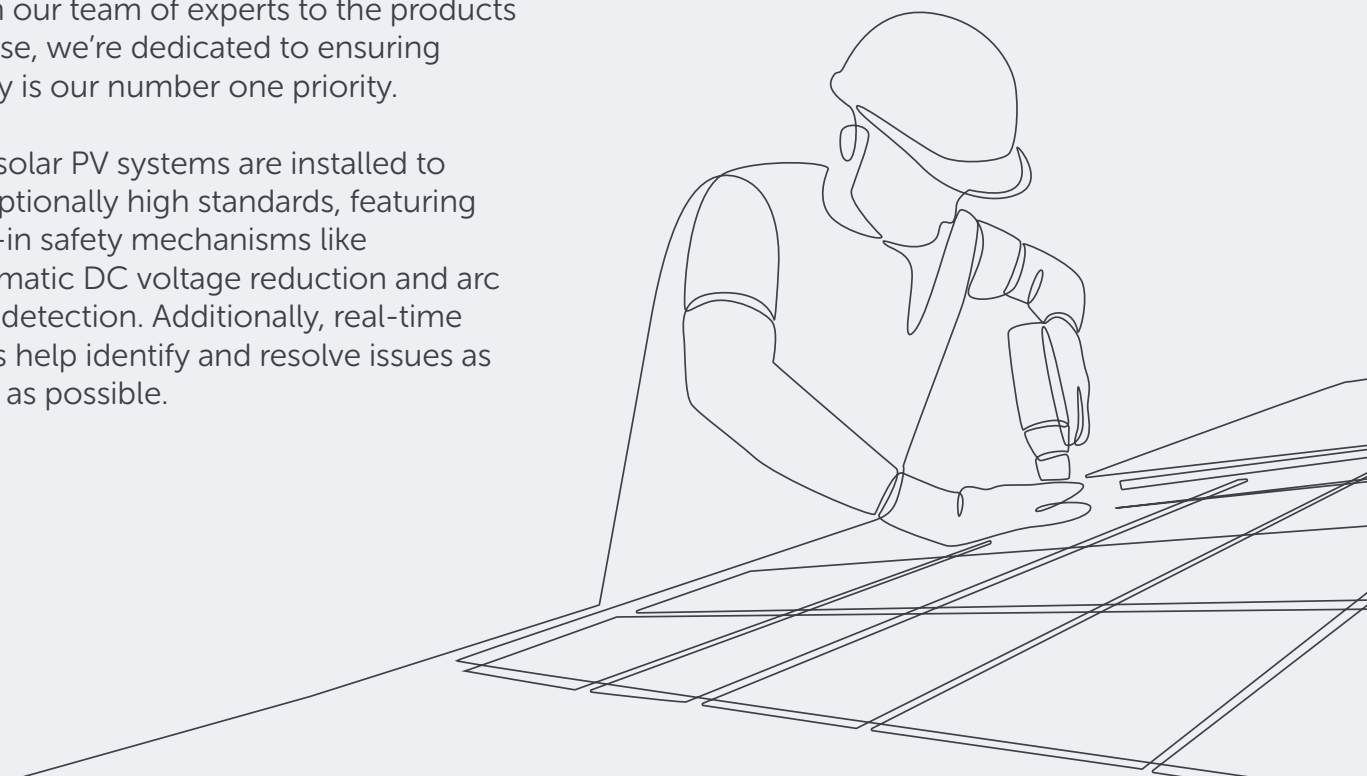
These measures not only protect your farm and workforce but also ensure insurance validity and ongoing asset security.

Proudly powering UK Farms and Estates since 2016

Safety is at the core of everything we do

From our team of experts to the products we use, we're dedicated to ensuring safety is our number one priority.

Our solar PV systems are installed to exceptionally high standards, featuring built-in safety mechanisms like automatic DC voltage reduction and arc fault detection. Additionally, real-time alerts help identify and resolve issues as early as possible.



Save on your energy costs

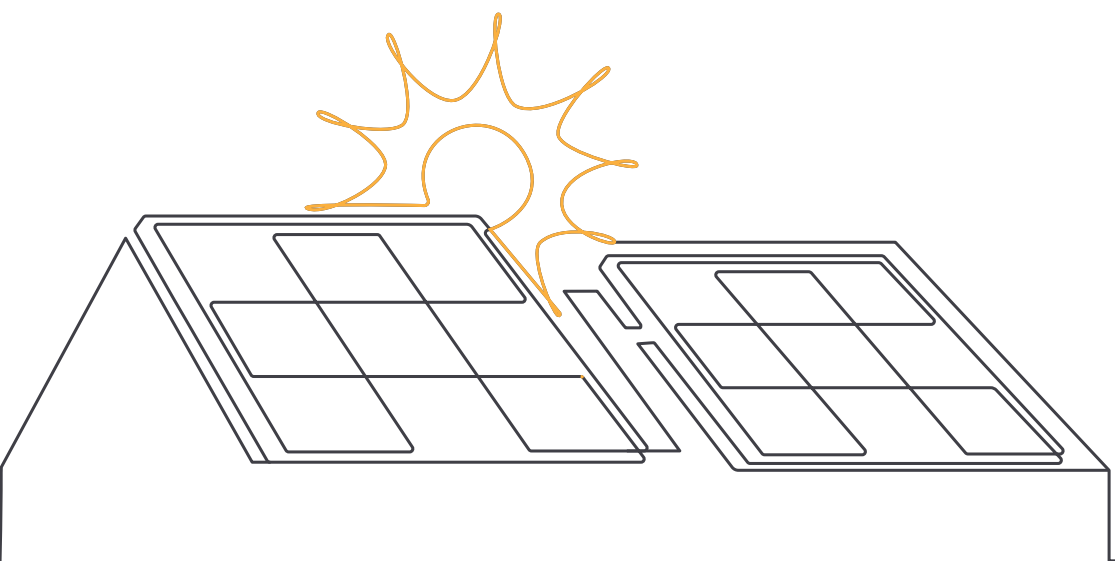
Make your cold stores, livestock sheds and other agricultural buildings work for you with a green energy solution on your roof.

Westwood Energy customers take control of one of their biggest costs, protecting themselves from volatile energy prices while enjoying tax benefits too.

By installing solar, you're essentially forward buying a portion of your energy at a fraction of today's grid costs—just 3-6p/kWh compared to the 20-25p you'd pay from the grid. Even better, this price is locked in for 25 years, shielding you from future energy price hikes. This is known as the Levelised Cost of Energy (LCOE)—a smart way to secure long-term savings and energy stability for your farm.

With ever increasing pressures on farms and landed estates, there are many reasons to act on solar now.

- Reduced operating expenses - this investment will provide lasting benefit, reducing your ongoing OPEX costs.
- It puts you in control - fixed rates on renewable energy allow you to confidently budget long term by protecting you from rising energy prices.
- Low cost energy - energy costs are typically 75% less than when purchasing from the grid.
- Put your ESG credentials on the map by demonstrating your company's sustainability and ethical impact.



CASE STUDY



Poultry Unit Lincolnshire

Installation



398.8kW of
SolarEdge
Inverters



645 x
SolarEdge
P850
Optimisers



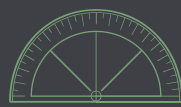
1290 x Trina
TSM-400
Solar Modules



SolarEdge Live
Monitoring
Platform



Steel Trap
Roof



15 Degree Pitch
SSW Facing

Project Details



527.1kW
Solar PV



36%
Energy Offset



£2.2m
Net benefit



460 MWh
of Production



88.74T
CO² Emissions
Saved

Minimum disruption Maximum return

Many of our agricultural projects take less than a week to install and commission, minimising disruption to your day-to-day, and we can also do it in phases if you prefer. We manage the entire end to end process, designing, building and maintaining your installation.

Most agricultural PV can be erected on existing structures and is also covered by permitted development rules, meaning no costly or protracted planning process.

We can adapt to varying roof pitches, orientations and shading factors. All of our systems are accurately designed, manufacturer certified and aligned with industry regulations.

Our team will focus on your project in meticulous detail so everything is ready for our engineers to be in and out as quickly as possible.

We can carry out works on site with livestock in situ further ensuring minimum impact to your daily operations.

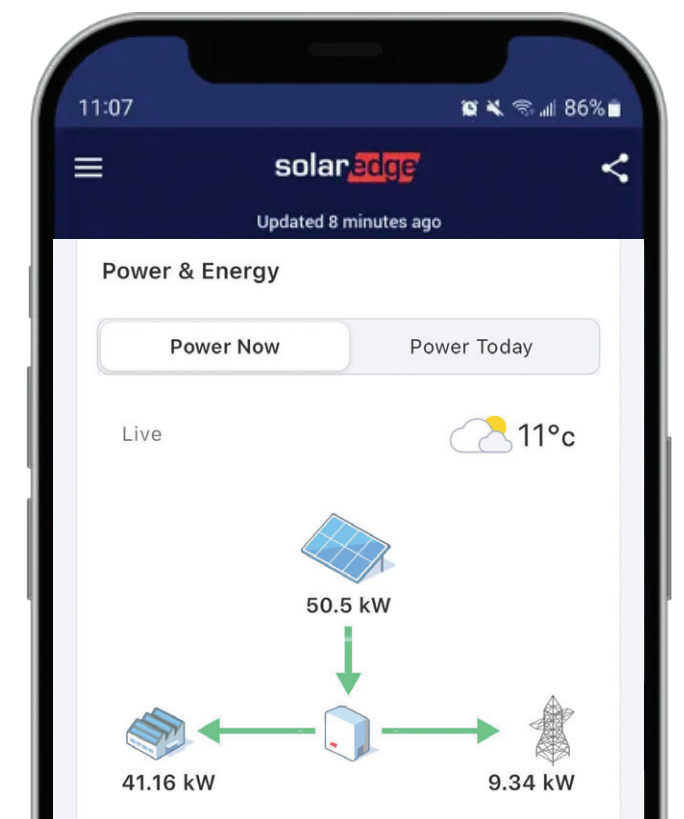
The simple way to harness the potential of your estate



Complete control, wherever you are

Westwood Energy PV Solutions provide you with module level performance monitoring.

Our systems make use of SolarEdge technology including an app for real-time monitoring of your solar installation, showing energy generation, self-consumption vs. export ratios, and the power balance between solar and grid import.



The Westwood Energy difference

We are a true EPC (engineering, procurement, construction) contractor which allows us to manage your project in house and end to end.

We handle everything for a smooth, efficient solar installation. Our multi-discipline team will carry out all the preparatory work, from the structural assessment to any planning application that's required.

We will also work with the distribution network operators (DNOs) to make sure you're connected to the electrical grid as quickly as possible.

- ✓ We design, build and maintain your system for you
- ✓ We provide a tailored approach for your farm or estate
- ✓ Most installs are completed within 1-2 weeks
- ✓ Monitor performance on the go via SolarEdge
- ✓ Fully certified and accredited
- ✓ Work can be phased to suit your schedule
- ✓ Minimal disruption to daily operations
- ✓ Designs tailored to varying roof pitches, orientations, and shading factors

Solar power with a 25-year lifetime warranty



CASE STUDY

Potato Factory Lincolnshire

Installation



80kW of SolarEdge Inverters



144 x SolarEdge S1000 Optimisers



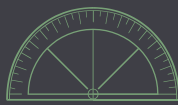
288 x Trina TSM-430 Solar Modules



SolarEdge Live Monitoring Platform



Steel Trap Roof



15 Degree Pitch SSW Facing

Project Details



123.84kW Solar PV



17% Energy Offset



£0.771m Net benefit



104 MWh of Production



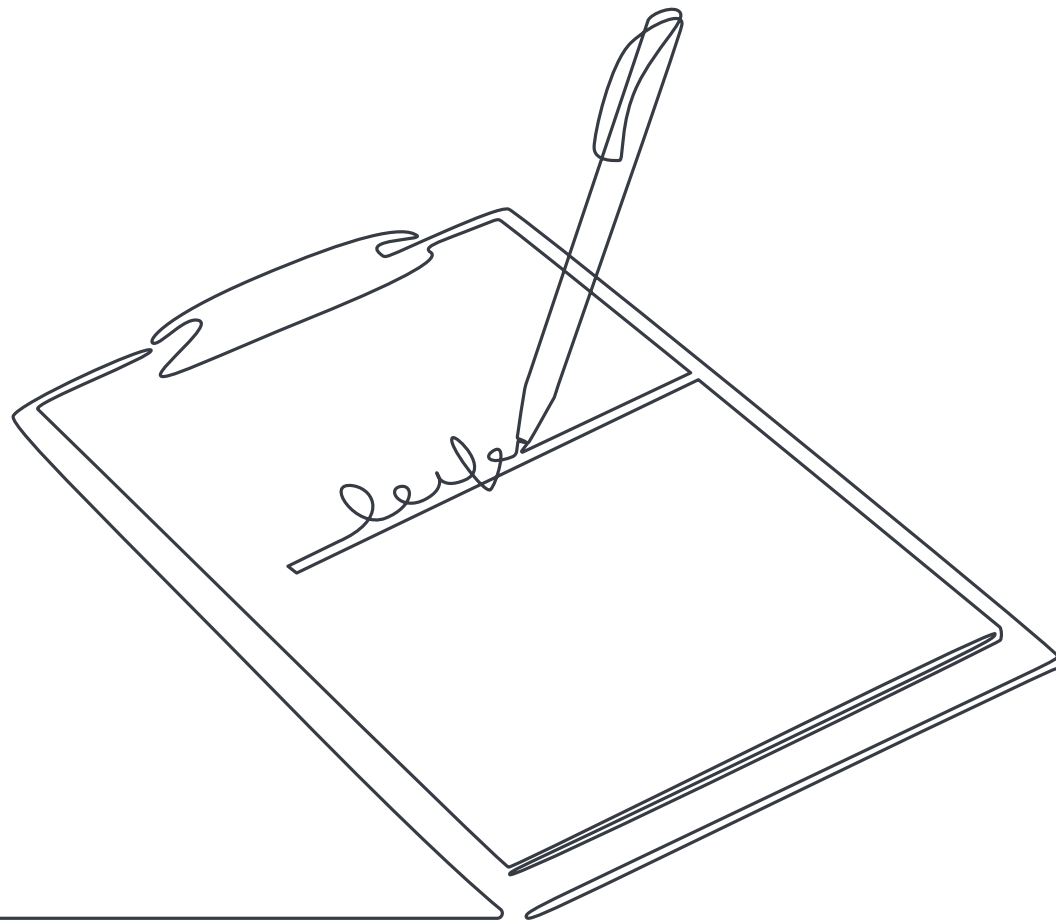
20 T CO₂ Emissions Saved

Flexible funding options

At Westwood Energy, we understand that every agricultural business has different financial needs. That's why we offer flexible finance options to make investing in solar PV easier and more accessible.

Whether you prefer an upfront purchase or a finance plan, we can tailor a solution that works for you.

- ✓ Spread the cost over time
- ✓ Flexible payment plans - (including seasonal hire purchase - allowing for cash neutral funding from day one)
- ✓ Quick return on investment
- ✓ Expert guidance on grants and incentives
- ✓ Power Purchase Agreements - no upfront or ongoing costs, just reduced energy prices.



Getting started

Working with us is easy.

We have successfully installed solar PV systems across pig, poultry, dairy, equestrian centres, grain stores, cold stores, food processing, milling and more. Speak to our friendly, expert team for a no obligation estimate.

Our industry leading service includes:

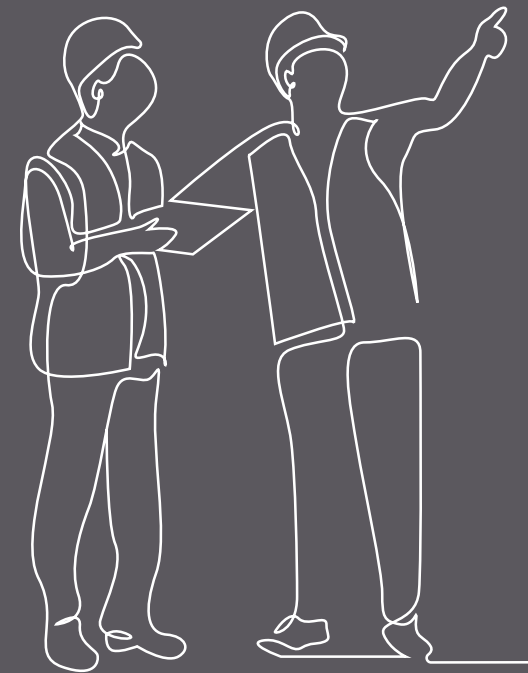
- **Feasibility:** We carry out a site assessment and energy demand assessment to ensure we scope your exact requirement.
- **Design:** Your solar PV system will be bespoke to your site ensuring maximum returns and no oversizing.
- **Pre-Development application:** We carry out structural assessments, grid connection applications and planning permission.
- **Installation:** Upon completion and approval of our assessments, designs and applications, work will commence on installing your system
- **Commissioning and Handover:** System tests, sign off and client walk round.
- **Ongoing Operations and Maintenance:** Enjoy dedicated aftercare support to ensure your solar system operates at peak performance for years to come.

Planning a new Build Project

If you're constructing new agricultural buildings, integrating a solar PV system from the outset maximises efficiency and minimises disruption.

We collaborate with your construction contractors to ensure a seamless installation, making renewable energy a natural part of your farm's infrastructure.

- ✓ Optimised for efficiency
- ✓ Designed to complement your new build project
- ✓ Saves time and money
- ✓ Future-proof your farm from day one



Take Control of Your Energy Future

Join the many farmers across the UK who are reducing costs,
protecting themselves from volatile energy prices, and
contributing to a greener future.



Get in touch

Call: 01904 439192

Email us: contact@westwood-energy.co.uk

Visit us online: www.westwood-energy.co.uk



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