

SOLAR ENERGY FOR

STADIUMS & ARENAS



Shawton
ENERGY



SUPPORTING VENUE OPERATIONS

Stadiums and arenas are complex, energy-intensive environments.

Floodlighting, hospitality, catering, concourses, offices, training facilities, retail, broadcasting infrastructure and increasingly sophisticated event technology can all contribute to significant electricity demand.

That demand can also fluctuate considerably between match days, events and quieter periods, making energy management an important part of wider venue operations.

At the same time, clubs and venue operators are under increasing pressure to reduce emissions, control costs and demonstrate meaningful progress on sustainability to supporters, sponsors, governing bodies and local communities.

Shawton Energy helps organisations make better use of their existing estates to generate renewable electricity and reduce reliance on the grid.



WHY CHOOSE SOLAR?



Large Rooftop Potential

Stadiums and arenas can provide valuable space for rooftop solar PV.



High Energy Demand

Solar potential is assessed alongside energy demand, building structure, operations and future plans.



Additional Generation

Car parks and surrounding land may offer further opportunities for renewable energy generation.



Long-Term Financial Resilience

Help reduce exposure to electricity price volatility while supporting long-term business planning and sustainability goals.



REDUCING COSTS WITHOUT SIGNIFICANT CAPITAL INVESTMENT

Investment in sport and entertainment venues rarely stops.

Facilities, player and athlete development, fan experience, hospitality, technology and maintenance all compete for available capital.

Renewable energy does not necessarily need to.

Through a Power Purchase Agreement (PPA), Shawton Energy can design, fund, deliver, own and operate a solar installation while the organisation purchases the renewable electricity generated at an agreed rate.

This provides access to lower-cost renewable electricity without significant upfront capital investment, leaving funds available for other priorities.

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



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.

SUPPORTING SUSTAINABILITY BEYOND THE ENERGY BILL

For sports clubs and major venues, sustainability is highly visible.

Supporters, sponsors, corporate partners and communities increasingly expect organisations to demonstrate how they are reducing their environmental impact.

Generating renewable electricity on site provides tangible evidence of that commitment.

Solar can contribute directly to carbon reduction and Net Zero strategies, but it can also form part of the wider sustainability story a venue communicates to its stakeholders.

For clubs in particular, that visibility creates an opportunity to engage supporters and communities with the steps being taken to create a more sustainable future.

The original Shawton stadium material recognised this wider role, including the potential to incorporate renewable energy into community engagement and education.

Modern stadiums and arenas are increasingly used throughout the year.

Conferences, hospitality, concerts, exhibitions, community programmes, training facilities and commercial operations can all create substantial energy demand outside traditional match or event days.

This is important when assessing the potential for solar.

Rather than looking only at peak event consumption, Shawton considers how electricity is used across the venue throughout the year and designs the system around the site's wider energy profile.

The objective is to maximise the amount of renewable electricity that can be used directly within the operation.





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

Large public-facing sites bring their own delivery challenges, with restricted access, working at height and event schedules all requiring careful planning.

Our experience in complex, live environments allows installations to be delivered safely with minimal disruption to customers, staff and day-to-day operations. Projects are carefully coordinated around existing schedules and site requirements.

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.

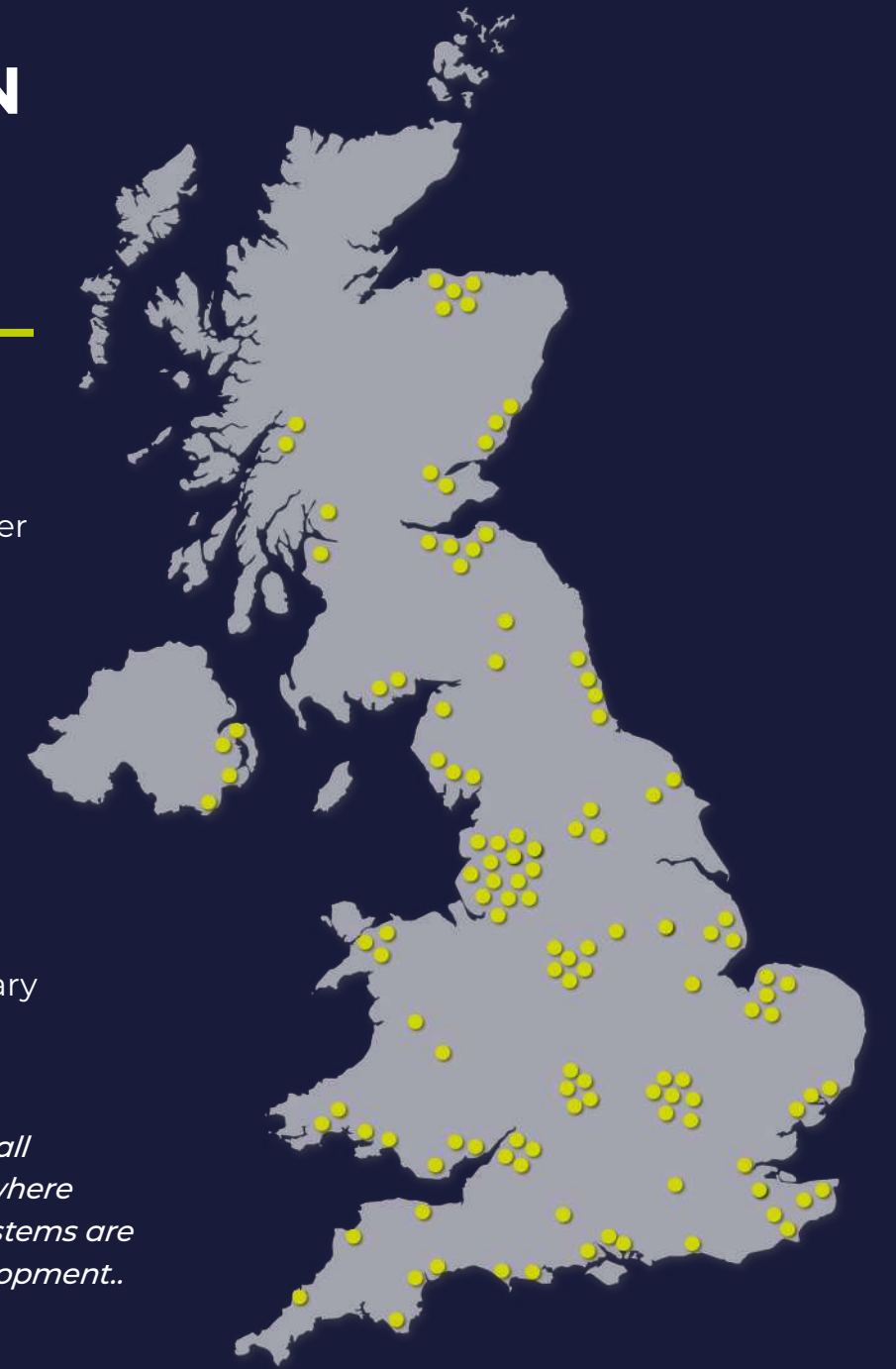
>100 MWp

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 stadium and arena is different. Venue layout, roof structure, event schedules, energy demand and future development plans all influence what a successful renewable energy project looks like.

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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