



**Shawton**  
ENERGY

Powering the chemical industry with  
renewable, sustainable energy to help  
CSR and ESG strategies.



Fully funded high-quality rooftop Solar PV  
systems for the chemical industry

[shawtonenergy.co.uk](http://shawtonenergy.co.uk)

# Shawton Energy works with the heavy industry sector to harness solar power by installing 100% fully funded, high-quality Solar PV systems, utilising extensive rooftop space in a unique way.

By working in the heavy industry sector including the chemical industry, we understand the heavy energy usage intensity these businesses have. We also appreciate the complexities of the site and the pressure to reduce their carbon output by both internal and external pressures. Shawton Energy works with these business throughout the journey to address all of these areas to ensure we become their trusted energy partner. We will deliver a solution that delivers on all of these ambitions and motivations, and continue to support for the long term.

## Why choose solar?

In the past 12 months, energy bills have risen by a staggering 96%. With Solar PV, heavy industry can reduce their energy bills by up to 25%.



Meet CSR objectives



substantially reduce energy spend



Support on your Net Zero ambitions



Show your environmental objectives to your customers and supply chain



Solar PV can help to futureproof your site



Harness renewable, sustainable energy sources



Heavy industry, when implementing solar projects, can save over £150k annually off their energy bills and often much much more if they have the roof or ground space.

## What is a Power Purchase Agreement & how do we approach the project safely?

The chemical sector can switch effortlessly to low-cost, green solar energy without any upfront costs with a Power Purchase Agreement (PPA).

We are co-owned by Lazard Investment, a global investment firm and bank, and have allocated £250m of funding for education renewable projects. This investment in Shawton Energy demonstrates our standing in the market and with over 100 projects completed to date across various sectors we are in a great position to help more chemical businesses transition to greener, cheaper energy.

Our PPA helps businesses transition to generating green energy through technologies such as solar, but with zero upfront investment or ongoing operational costs.

We design, install, operate and maintain the solar project through a long term contract ranging from 15 to 25 years in length, and you agree to buy the energy produced by the solar assets at a secured, fixed price throughout the contract which is much lower than what you would buy off the grid.

We continue to operate and maintain the project once it has gone live through both remote analysis of the project and physical inspections on an annual basis to ensure that the solar is creating as much energy as possible.

At the end of the contract term, we hand the solar across to you and will continue to produce free solar energy for years to come.

With our experience in the heavy industry sector, we understand complex, varied estates with high traffic and dangerous environments, so we are used to working with on-site teams to deliver a renewable solution that has minimal impact to the site.

Our health and safety standards are fully reportable and are of a high standard and due to our wider group of businesses being in the engineering sector we appreciate the standards required when being on a chemical manufacturing site.

The technology we use is of Tier 1 quality and therefore has high safety protocols to ensure that all of our systems that are installed have the highest safety standards including rapid shut down including touch safe DC levels, fire shut down, built in temperature monitoring to proactively manage systems and all our systems have remote monitoring services allowing us to react to issues prior to any happening. All of this can be discussed and explained dependent on the requirements on site.

## Why would the chemical industry want to adopt solar?

The chemical industry in the UK operates in a highly energy-intensive environment, making the adoption of fully funded solar energy a strategic and financially advantageous move. By leveraging fully funded solar solutions, chemical companies can significantly reduce their energy costs without the upfront capital investment, improving their bottom line and enabling the reallocation of resources to core business activities.

Solar energy offers the chemical industry a stable, predictable, and cost-effective alternative to the volatile fossil fuel market. With energy costs

accounting for a substantial portion of operational expenses, shifting to solar can lead to considerable savings, boosting profitability and competitiveness in a global market.

Moreover, embracing solar power aligns with growing regulatory pressures and societal demands for cleaner, greener operations. The chemical industry, often scrutinised for its environmental impact, can enhance its sustainability credentials by reducing its carbon footprint through solar energy adoption. This not only mitigates environmental risks but also strengthens brand

reputation, making the company more attractive to investors, partners, and customers who prioritise sustainability.

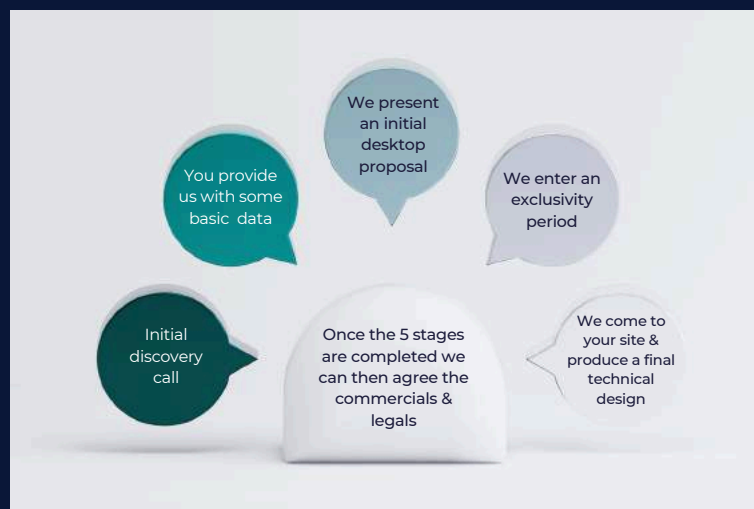
Fully funded solar options further eliminate financial barriers, offering a risk-free pathway to renewable energy. By adopting solar, the chemical industry can future-proof its operations, reduce regulatory risks, and demonstrate leadership in corporate social responsibility (CSR) while securing long-term energy savings.

## How does the Power Purchase Agreement Process Work?

If we understand your rooftop and ground real estate and also the energy demands at those sites, you could benefit from free solar PV installation financed by us through a PPA. Once we have confirmed your eligibility, we'll partner with you to get to know you and your facility's energy consumption.

This is part of our five-step approach, beginning with an initial meeting, a desktop feasibility study and then a technical site visit. Once we've assessed your rooftop for solar suitability, we create a proposal based on your consumption, showing a detailed projection of your cost & carbon savings over the course of the PPA.

### Our Initial 5 Step Approach



## Why would you choose a Power Purchase Agreement with Shawton Energy?

- ✓ Your business reputation increases with zero upfront investment or ongoing opex
- ✓ Immediate savings meaning you can reinvest into other projects
- ✓ The assets sit on Shawton Energy's balance sheet and not yours
- ✓ You don't have to worry about the ongoing maintenance or operation of the solar assets
- ✓ You are less vulnerable to the volatility of grid prices
- ✓ You buy the energy produced by the Solar PV at an agreed price for the duration of the contract. If the sun doesn't shine or the assets are not working then you will not pay for the energy.
- ✓ You enter into a long term partnership with a trusted energy partner

## Case Study - Uniroyal Global

Shawton Energy worked closely with Uniroyal Global to install a comprehensive solar energy system at their manufacturing facility in Earby.

As a business, Uniroyal Global are committed to reducing the environmental impact of their manufacturing operations and producing products with sustainability in mind, so being able to generate their own green energy was a key driver to work with Shawton Energy.

Shawton Energy installed 1MW rooftop Solar PV panels at their manufacturing facility in Earby. By going with our Power Purchase Agreement, they were able to start reaping the benefits of their large Solar PV system immediately without any upfront Capital Investment and leave any ongoing maintenance of their system to us at no further cost.

We undertook detailed analysis of their energy usage, costs and site layout to ensure we designed a bespoke,

turnkey solution for Uniroyal's specific needs. We worked closely with the site team and the executive board to ensure they understood both the commercial and environmental benefits for their business and were confident that Shawton Energy were the right long term energy partner to deliver on this project.

Over a 16-week period we installed the project at their site which included over 2300 panels and ensured there was no disruption on site.

As Uniroyal have a high demand for energy in their business, they will use over 808,000 kWh of self generated energy a year with their new Solar PV system. This will save them, £175k on their Electricity Bills in their first year. Their new system has also helped reduce their annual carbon footprint by more than 273 tonnes per year. Uniroyal Global are now generating 910,098kWh of clean energy a year, helping them to meet their Net Zero Targets and deliver on their ESG objectives



Installation time  
16 weeks



Forecasted economic savings in 25 years:  
£5.2m



Carbon saved annually:  
273,006 kg



Solar PV system size:  
999kWp

## Frequently Asked Questions

### Do you do projects throughout the UK?

Yes, we do projects from Scotland to the south coast. The sun's intensity does vary throughout the UK, however we have many projects in Scotland and the north of the UK that still have great commercial and carbon savings.

### Do I need planning permission?

Smaller projects no longer need planning permission if it is on the roof. It will just need permitted development applications made and we do all of this on your behalf. Larger projects might need planning and if this is the case we will manage all of this on your behalf.

### Will the installation of solar panels disrupt my students?

No. Our team will ensure your business's day-to-day operations are not disrupted and ensure your students have no impact on their facilities

### If I have land and/or a car park, is there a way of leveraging this space also?

Simple answer is yes, however we would discuss what is possible at our initial call and include areas where we feel it makes sense commercially and technically.

