

**Safeguard  
your solar  
investment.**

**2050.**

The target for net-zero set by  
the UK government.

**A practical guide to optimising  
commercial solar performance.**

## Why solar maintenance is a non-negotiable for commercial energy users.



### Why maintenance is essential.

For UK businesses investing in solar PV, maintenance is not optional — it's essential. A solar system is a long-term energy asset, and like any asset exposed to the elements, it requires ongoing care to perform at its best. Without routine maintenance, even high-quality systems will gradually lose efficiency and reliability over time.

### The risk of neglecting solar assets.

Unmaintained solar assets degrade faster, underperform more frequently, and risk invalidating system warranties. Small issues such as dirt build-up, shading changes, electrical faults, or component wear can go unnoticed and escalate into larger system failures if not addressed promptly.

### Impact on performance and financial returns

That translates into missed generation targets, higher grid dependency, and lost financial returns. Reduced output directly affects energy savings and payback periods, while unexpected downtime can increase operational costs.

### Protecting long-term value

At Activ8 Energies, we deliver structured maintenance services designed to safeguard your energy generation, protect your investment, and maintain alignment with your financial and sustainability objectives.

## The unseen costs of neglect.

Without a proactive maintenance plan in place, the performance of your solar system will deteriorate over time. Industry data shows that annual performance degradation can exceed 20% within just five years if issues like dirt build-up, component wear, and environmental damage go unaddressed.



**Inverters** — the critical components responsible for converting solar energy into usable electricity — are particularly vulnerable to faults if not routinely checked and maintained. When these faults occur, they can lead to significant, unexpected production losses that impact your business operations.

Component failures, including electrical connections, cabling, and mounting systems, can escalate into costly emergency repairs if left undetected. Additionally, most manufacturers require evidence of regular maintenance to uphold warranty coverage; failure to meet these obligations can result in voided guarantees. The consequences are clear: reduced cost savings, increased operational risks, weakened progress towards Net Zero targets, and greater exposure to volatile energy prices.



## Building insurance requirements

When your business installs a commercial solar PV system, it becomes part of your building's fixed infrastructure. As a result, your insurer will typically view it as part of the overall asset they're covering.



*Insurers include clauses that require evidence of regular inspection and servicing of solar PV systems. This isn't just a formality – it's tied to their risk assessment. A neglected solar system could lead to:*

- **Electrical Faults**
- **Fire risks**
- **Weather-related damage**
- **Structural integrity issues (i.e. loose panels on roofs)**

## The Financial Risks of Poor Maintenance.

Over time, exposure to wind, rain, temperature changes, and general wear can place stress on both electrical and mechanical components. Without routine inspections, minor issues can go unnoticed and develop into larger faults affecting both the solar system and the wider building infrastructure.

If systems are not properly maintained and something goes wrong, your insurer may refuse to pay out. Even if the incident isn't directly linked to the solar panels, failing to meet maintenance requirements could void part or all of your policy, leaving your business responsible for repair costs, replacement equipment, or property damage.

Keeping clear maintenance records and inspection reports helps demonstrate compliance with insurer requirements while protecting the safety, performance, and long-term value of your solar.

## Warranty Protection.



## Keeping Your Warranty Valid.

Commercial solar systems involve high-value components like inverters, optimisers, and panels. These typically come with manufacturer warranties ranging from 5 to 25 years, but those always come with conditions.

To keep the warranty valid, manufacturers often require:

- **Routine visual inspections**
- **Electrical safety checks**
- **Inverter diagnostics**
- **Record-keeping of all maintenance carried out**

They do this because neglect, not manufacturing defect, is the most common reason for system failure. Dust build-up, loose connections, weather exposure, and undetected electrical faults can all reduce system performance and lead to avoidable damage over time. If you can't demonstrate that your system was properly maintained, you may lose your right to claim.



# Solar Maintenance & Asset Management.



## Maintenance with Activ8 Energies.

Installing a commercial solar PV system is a major investment, proper maintenance protects its long-term value. We provide a complete preventative and reactive maintenance solution for commercial solar systems, helping businesses maximise performance, reduce downtime, and maintain warranty compliance.

What's included:

- 24/7 system performance monitoring
- Preventative & reactive maintenance
- Diagnostics, reporting & performance analysis
- Warranty, compliance & documentation support

## Protecting performance & ROI

We monitor performance to identify issues early and keep systems operating efficiently for longer life.

A well-maintained solar asset delivers: improved efficiency, lower repair costs, increased energy savings.

## Leave Management to Us

With Activ8 managing maintenance and compliance, you benefit from lower energy costs, improved energy security, and reduced carbon emissions.

## Your business needs to find ways of

- ✓ Reducing energy consumption
- ✓ Improving energy efficiency
- ✓ Taking steps to offset emissions

As experts in the design, installation and maintenance of extensive solar-powered systems, we use the sun's energy to power your present and preserve your future.

To see how we can empower your business to reduce your carbon footprint, increase your efficiencies and achieve net-zero targets, just get in touch with one of our experts.



## Trusted by the largest companies.



## Client Funding Options.

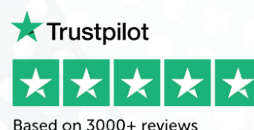
### Power Purchase Agreement (PPA).

- Zero upfront costs
- Lock in reduced energy rates from 10-25 years
- Activ8 manage all maintenance of system
- Full ownership of asset on agreement end

### CapEx Outright purchase.

- Direct capital investment
- Immediate control over system
- Long-term energy savings
- Maximise return on investment

## Leading by Example.



United Kingdom: 1 Neptune St, Burnley, BB11 1SF

Ireland: NEXUS N2 Business Park, Carrickmacross, Monaghan, A81 XK73

T: 01 282 421 489

E: info@activ8energies.co.uk