



Protecting your investment

Observing the information gathered by a monitoring system and receiving email condition alerts will ensure that you can keep downtime to a minimum and receive the maximum revenue from your PV.

While there is an upfront cost associated with installing the kit and some ongoing fees for access to the online portal services, these are very small when compared with the revenue that can be missed as a result of underlying issues with your system.

If you would like us to discuss a monitoring service for your system, please call **+44 (0) 1444 470018** or email us at **info@nwtenergy.co.uk**

So...

Now that your solar PV system has been in place for a while, we wanted to get in touch to let you know about NWT's operation and monitoring services for commercial installations.

We can inspect your system to ensure that it continues to operate with maximum efficiency and to identify any potential condition issues before they have a chance to cause a problem.

Why monitoring is important

- The income you receive from your solar photovoltaic installation is directly linked to its efficiency in terms of generating electricity from light and subsequently feeding this in to the electricity distribution network.
- Several factors can affect productivity, so effective operation is key to protecting your investment.
- Since the Feed-in Tariff is paid over a fixed term, revenue lost through reduced productivity can not be recouped later.
- The longer it takes before it is rectified the more revenue will have been lost.

What next?

If you would like us to check your system is working as well as it can or have any questions at all regarding your installation, please call the office on **+44 (0) 1444 470018** or email us at **info@nwtenergy.co.uk**



NWT Energy Unit 28 More House Farm, Ditchling Road, Wivelsfield, West Sussex RH17 7RE, UK
T: +44 (0) 1444 470018 E: info@nwtenergy.co.uk www.nwtenergy.co.uk

Solar PV Professional monitoring



Solar-Log¹⁰⁰⁰

Status

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Solar-Log
by Solare Datensysteme GmbH
www.solar-log.com



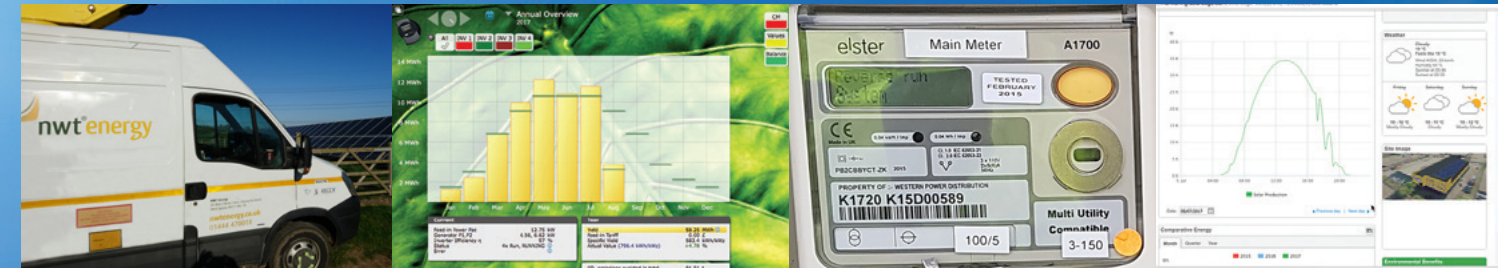
Why solar PV monitoring matters...

- System healthchecks evaluate productivity levels against projections
- Ensures your PV array is operating efficiently
- Early warnings on potential issues
- Minimises risk of lost FIT revenue that can never be recovered

Did you know?

Because the Feed-in Tariff is paid over a fixed term, revenue lost through reduced productivity cannot be recouped later.

The longer it takes before faults are rectified, the more revenue you will lose.



Monitoring systems are necessary to ensure that your PV array is operating smoothly and that relevant parties are alerted in the event of any potential issues so that they can be investigated. Monitoring systems are central to analysis of the system's generation, and therefore financial performance, over time.

Without having a suitable method for identifying issues with a PV system it is impossible to know whether it is operating as intended.

NWT repeatedly encounter systems that contain no monitoring apparatus whatsoever.

In many cases substantial revenue has been lost because the owners were not aware of underlying issues with their PV systems.

There is a clear distinction to be made with metering, which is necessary to receive FIT payments. While it is possible to keep track of meter readings over time and then to identify whether production has fallen, by the time this is established significant revenue has already been lost for good. Added to this, even when poor production is noted it is often attributed to changing weather to begin with. It is notoriously difficult to establish a good feel for what should be expected at any given time, since this will vary from month to month.

Monitoring systems give visual representations of system performance that can be used to identify any potential problems at a glance.

Generation figures can also be directly compared with projections, giving an indication of the health of the system versus expected performance.

They also have the capability to dig deeper into the performance of inverters and to generate alert emails when there is an issue that requires attention.