

# UAV (UNMANNED AERIAL VEHICLES) INSPECTIONS

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P A R T N E R S H I P

R E N E W A B L E E N E R G Y & E N E R G Y E F F I C I E N C Y E N G I N E E R S

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## AERIAL INSPECTIONS

UNMANNED AERIAL VEHICLES OFFER IMPROVED INSPECTION SERVICES FOR SOLAR FARMS AND ROOFTOP INSTALLATIONS

L HW Partnership is certified by the Civil Aviation Authority and BNUC-S to pilot Unmanned Aerial Vehicles (UAV) for commercial purposes and we regularly conduct aerial surveys of solar PV systems for a number of customers.

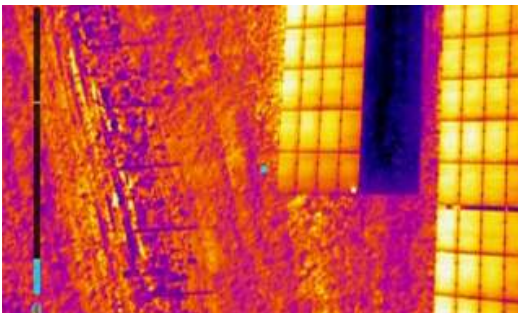
Our aerial surveys combine aerial photography and infrared thermal imaging to quickly and safely assess the health of solar PV systems from the air.

The surveys negate the need for expensive scaffolding and access requirements, are quick and non-intrusive and are suitable for roof mounted or ground mounted systems, regardless of system size.



## UAV & THERMOGRAPHY

UAV & THERMOGRAPHY USED TO INSPECT SYSTEMS FROM THE AIR



T hermography can be an invaluable tool in assessing the health of a solar PV system and can identify possible points of failure long before any visual markers are seen. PV systems are designed to generate for a minimum of 25 years and in most cases provide financial returns. It is therefore important to ensure that each component of the system is working efficiently and any failure risks are minimised.

LHW Partnership can thermally inspect solar PV systems from the air, and module faults, such as hotspots can quickly be identified.

## SERVICES

LHW PARTNERSHIP LLP OFFERS THE FOLLOWING SERVICES ASSOCIATED WITH UAV AND THERMOGRAPHY

- + High-level IR UAV Inspections
- + Ground-level Detailed IR Imaging
- + Aerial Imagery
- + Technical Report
- + Recommendations for Remedial Works
- + Valid Civil Aviation Authority Certification
- + Valid BNUC-S Certification
- + Level 1 & 2 Qualified Thermographers

