

We have built a solid reputation for delivering highly efficient solar systems over the past 25 years.

Working with our clients to help them decarbonise their operations drives us to be innovative and professional across all aspects of our work, always looking at ways in which we can help drive down their energy costs and increase energy stability & security.

Whilst we deliver solar PV and battery storage, it is our own solar thermal system and our car park canopy structures that set us apart from others.

This brochure summarises our services and there is more information on our website at [www.solaruk.com](http://www.solaruk.com).

However, nothing beats talking, so please do get in touch to see how Solar UK can work with you to help you achieve your energy goals.



## SOLAR THERMAL



LaZer2 solar thermal is specifically designed to produce hot water.



## SOLAR THERMAL

Our LaZer2 solar collector is one of the most efficient in the world. We have designed our collectors, which are manufactured at our factory in East Sussex, to be c.3.5 to 4 times more efficient at generating hot water than the equivalent area of solar PV and they can deliver c.70% of a building's hot water demand each year.

- Audited annually by the UK government's BBA to ensure LaZer2 remains an approved technology
- Delivering temperatures of above 60°C that are generally required in commercial buildings
- LaZer2 solar thermal delivers hot water to site for immediate point-of-use or as a pre-heat for wider applications
- As a pre-heat during winter months, energy savings are still strong, as water can be regularly pre-heated to 40-50°C meaning the backup heating often only needs to input ½ the total energy otherwise required

Efficiency of a LaZer2 solar thermal system hardly drops when delivering water at 60°C, and when combined with a heat pump it significantly increases the pump's service life, as well as retaining the fuel saving advantage, with summer solar gain almost eliminating heat pump usage for ½ the year.

## SOLAR THERMAL

In hotels, care & nursing homes, student accommodation, schools, colleges, and universities, in fact any situation where large numbers of people gather outside the home, hot water usage is often significantly higher per occupant than it would otherwise be, and yet still the water is discharged as waste.

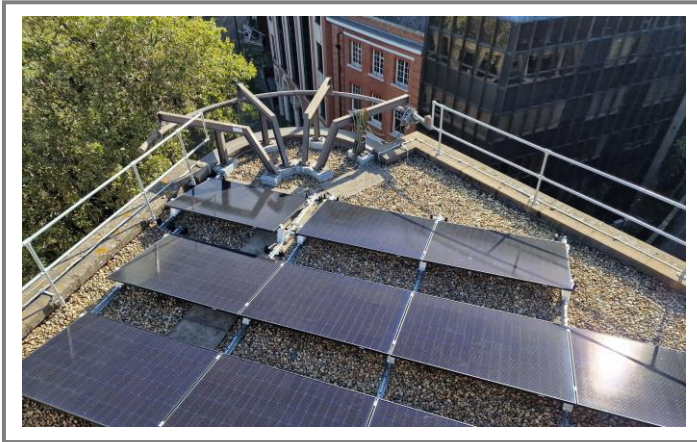
The higher water usage of swimming pools, spa facilities, and showers, sees increasing benefits of deploying LaZer2 hot water heating because these energy-hungry operations generally demand more energy than the available roof space can deliver from a solar PV solution. Furthermore, because 100% of solar-generated heat directly offsets what would otherwise have come from alternatives, the financial return on investment is usually far greater.

Where hot water is used in commercial environments and in industrial processes, LaZer2 solar thermal holds its own as the true renewable energy solution and has a vital part to play in any decarbonising plan.

From hospitals to laundries, agriculture and dairy, to brewing and food processing, there is huge demand for hot water for cleaning down and sterilisation, or as part of their production and operating processes.

New for 2025 is our LaZer2 solar thermal remote monitoring system (RM7512), which allows us to view any critical changes to the operation of your solar thermal system and ensure its continued performance. Talk to our team about how this can aid your commercial installation.

## SOLAR PV & ENERGY STORAGE



Solar UK supplies, installs and maintains solar PV systems for commercial and residential clients

## SOLAR PV & ENERGY STORAGE

We work with clients to understand their desired outcomes and then provide outstanding solar power generation systems that utilise an extensive range of market-leading technologies.

As approved installers with many of the world's leading solar PV and battery technology companies, we have a rich history of commercial and residential installations, with tens of thousands of PV modules, across thousands of customers.

We are contracted by end-user businesses directly, and work with many of the UK's major construction companies, architects, and M&E contractors nationally, and we continue to deliver high-end systems for discerning residential homeowners in the South-East of England.

With PV systems for rooftops, car park canopies or ground arrays to choose from, we can help you reduce your grid dependency and decarbonise your footprint, and with the incorporation of efficient battery energy storage the benefits can be increased considerably.

## SOLAR CAR PARK CANOPIES



Solar PV car park canopies generate significant solar power (c.5-6kWp per 2 bays) for use at site and/or perhaps as EV charging in conjunction with a battery storage system.



## SOLAR CAR PARK CANOPIES

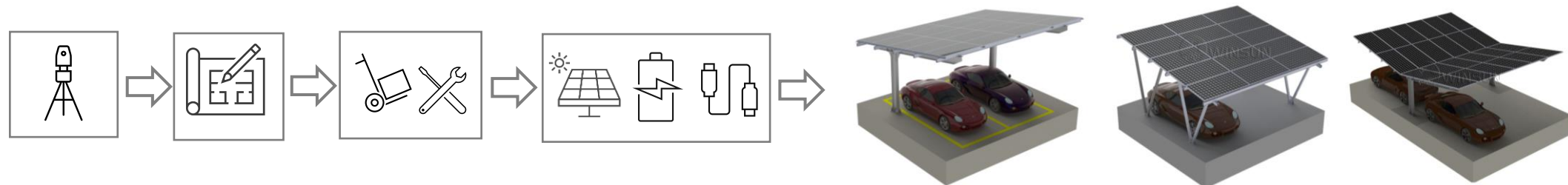
Solar car park canopies can help generate additional power when, for example, the roof space on your building has been used for solar PV already, but you still need more, or perhaps the roof itself is not fit for a solar mounting system.

From a single bay to multiple canopies across a commercial car park, our systems are tailored to your specific situation.

Available in both aluminium and galvanized steel, we offer variable pitch orientation and a gullwing/Y-shaped design. Designed to EN1991-1-3 and EN1991-1-4 standards and CE-certified

The canopies can be designed to incorporate EV charging, battery energy storage, rainwater channel system and LED lighting

Once we understand our client's desired outcome, we will submit a design (structural and solar), specification and quote. Our designs include groundworks, structural build, solar installation and commissioning.





## SOLAR SERVICE & MAINTENANCE

Our solar thermal service inspection includes:

- Inspecting the solar collectors and the mounting system (where safe access is available to the panels without a scaffolding installation, otherwise a visual from ground level is undertaken).
- Checking all accessible pipework, valves, and associated components
- Checking the inhibitor dilution level and topping it up if needed
- Purging the system to remove any trapped air
- Checking and adjusting the system's pressure
- Providing you with a status report and make any recommendations that would improve performance or prolong the life of the installation

Our PV service inspection includes:

- Checking all internal system components
- Cleaning the inverter because, over time, dust can build up
- Inspecting the collectors and the mounting system (where safe access is available to the panels without a scaffolding installation, otherwise a visual from ground level is undertaken).
- Checking the system's generation
- Providing you with a status report and make any recommendations for performance improvements and system longevity

We have a call out charge, which can vary depending on where the customer is based in relation to our office. This charge covers the first hour on site, and any additional time is chargeable. Parts are charged separately.

Solar UK, established 2000, brings a breadth of knowledge and experience to help deliver your new energy project.

We are CHAS Elite, MCS, Trustmark and NICEIC-accredited suppliers and installers, with in-house R&D, design, and technical support.

We employ our own installations team, working with trusted sub-contracted labour when there is a need, ensuring that they always work to our standards and under our management.

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