

COMMERCIAL SOLAR SOLUTIONS

SPRING 2026



ABOUT SOLIVUS

Solivus are UK market leaders in delivering lightweight solar solutions for buildings that can't have conventional solar fitted due to weight or fixing constraints.

In addition, we now offer a full suite of solar solutions: conventional solar panel systems, solar carports, battery energy storage systems, virtual power plant capabilities and finance options.

Our mission is to help the planet by cutting carbon from the built environment, which contributes to approximately 40% of total annual global carbon emissions.





A COMPLETE SERVICE

Solivus can take care of **every aspect of your project**. From initial planning, consultation and design, right through to turning the system on.

But that's not all. Once the project is complete, we have reporting apps and can trade any surplus energy. We also offer ongoing operation and maintenance packages and can even help finance your project too.

We make it as easy as possible for our customers to start enjoying the benefits of generating their own green energy and **cutting energy bills and CO₂ output**.



A photograph of two construction workers installing solar panels on a commercial roof. The worker in the foreground is wearing an orange hard hat, a grey jacket, and a high-visibility orange vest, and is leaning over a large solar panel. The worker in the background is wearing a white hard hat and a similar high-visibility vest. The solar panel is being placed on a metal roof structure. In the background, there are other commercial buildings and a cloudy sky. The text "SOLAR SOLUTIONS FOR COMMERCIAL ROOFS" is overlaid in white, sans-serif capital letters. A white circular icon with a downward-pointing chevron is positioned over the lower right portion of the solar panel.

SOLAR SOLUTIONS FOR COMMERCIAL ROOFS



WE HAVE 2 MAIN SOLAR SOLUTIONS FOR LARGE COMMERCIAL ROOFS



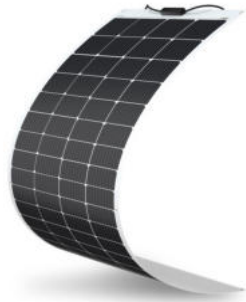
LIGHTWEIGHT PANEL
SYSTEMS



CONVENTIONAL PANEL
SYSTEMS



LIGHTWEIGHT SOLAR PANELS OVERVIEW



The perfect solution for buildings without the structural capacity for conventional panels, due to weight or fixing constraints.

The panels are **flexible** and have a **depth of only 2mm**, making them an excellent choice for buildings with curved roofs or **aesthetic considerations**.

Weight:
1.8-4.0 kg/m²
(Up to 7x lighter than conventional)

Materials:
2mm polycarbonate board and silicone wafers. Flexible

Mounting system:
Bonded with adhesives directly to roof surfaces or via lightweight rails

Reflectivity:
Low reflectivity – as low as 1/35 of conventional panels

Embedded carbon:
3-25g CO_{2e}/kWh

Efficiency:
19%-21%



**PERFECT FOR LARGE
LIGHTWEIGHT BUILDINGS
SUCH AS:**

AIRPORT HANGARS AND
TERMINALS



SPORTS STADIUMS



LARGE-SPAN
WAREHOUSES

LIGHTWEIGHT SOLAR CASE STUDY

FARNBOROUGH AIRPORT

SYSTEM STATS

- 1.745 kWp system (terminal, hotel, hangars and control tower)
- 1.6 GWh of clean energy annually
- Saving 4,708 tonnes of CO₂e over 25 years
- Payback of 4.4 years
- ROI of 573%
- 25% of airport energy demand met

“

Rooftop solar seemed like the solution to our energy needs, however, the weight of conventional panels and the iconic curves on our infrastructure meant that it was a real challenge. Fortunately, Solivus had the answer.

ROB MARSDEN
CFO FARNBOROUGH AIRPORT





CONVENTIONAL PANELS OVERVIEW



Ideal for buildings where weight is not a concern and budget and energy efficiency are paramount.

Weight:
12-15 kg/m²

Materials:
Aluminium, glass & silicon,
Rigid structure, not flexible

Mounting options:
Racking, railing & ballasting

Reflectivity:
High, due to glass casing -
a significant consideration
when using near or on airports

Embedded carbon:
80g CO₂ e/kWh

Efficiency:
21%-23%





SOLAR CARPORTS



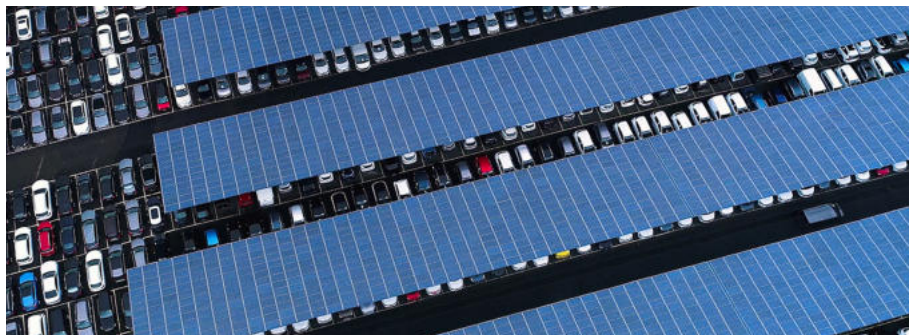


SOLAR CARPORTS

Car parks offer enormous potential for **green energy generation**.

We provide a **range of canopies** and solutions to suit different budgets and project specifications.

Solar carports create shade, offer drainage solutions and **can be paired with batteries and EV chargers** to transform, what is often, a business' largest and most underutilised asset.





BATTERY SYSTEMS

BATTERY ENERGY STORAGE SYSTEMS

Solivus provides a range of **Battery Energy Storage Systems (BESS)** designed to optimise the performance of solar arrays.

By storing solar energy, our systems ensure a **consistent power supply** - particularly critical for off-grid locations.

We offer **end-to-end implementation**, monitoring, and maintenance, all delivered with a focus on safety and reliability.

Our proprietary **AI software** further enhances battery efficiency **by maximising storage usage**.



CONTAINERISED BATTERY STORAGE SYSTEMS

These larger systems are designed to work seamlessly alongside our solar installations, storing surplus electricity generated during the day for use when demand is higher or sunlight is limited.

The system shown above, designed for Balfour Beatty, was paired with a hydrogen fuel cell for a truly green storage system.



SMALLER BATTERY SYSTEMS

Smaller battery storage systems offer many of the same benefits on a more accessible scale. These are perfect for smaller buildings such as modular site offices.

By storing surplus solar energy, these systems reduce reliance on the grid, cut electricity bills, and ensure a more consistent renewable supply.



MODULAR BUILDINGS



MODULAR BUILDING SOLAR SYSTEMS

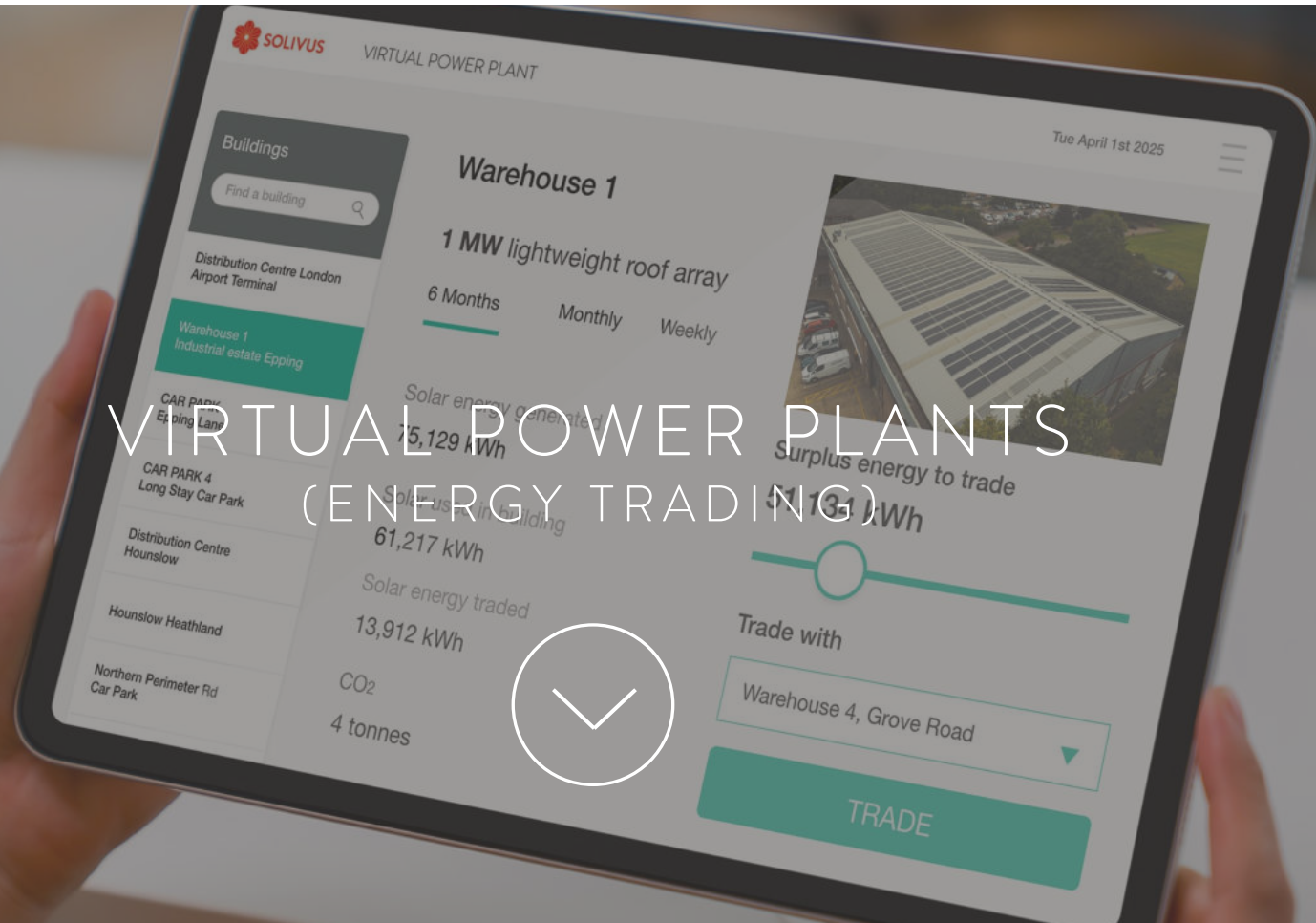
Developed in conjunction with global engineering and infrastructure company Balfour Beatty; the [Solivus Modular Buildings Solar and Battery System](#) is designed to reduce the reliance on diesel generators at construction sites.

Our [bespoke, lightweight off-grid systems](#) can be scaled to fit most modular buildings and offer our clients:

- [Reductions in diesel and CO₂](#) at construction sites contributing to net zero targets. Diesel generators are only a back up.
- Significant [cost savings](#)
- [Safer](#), cleaner working conditions for employees



VIRTUAL POWER PLANTS (ENERGY TRADING)



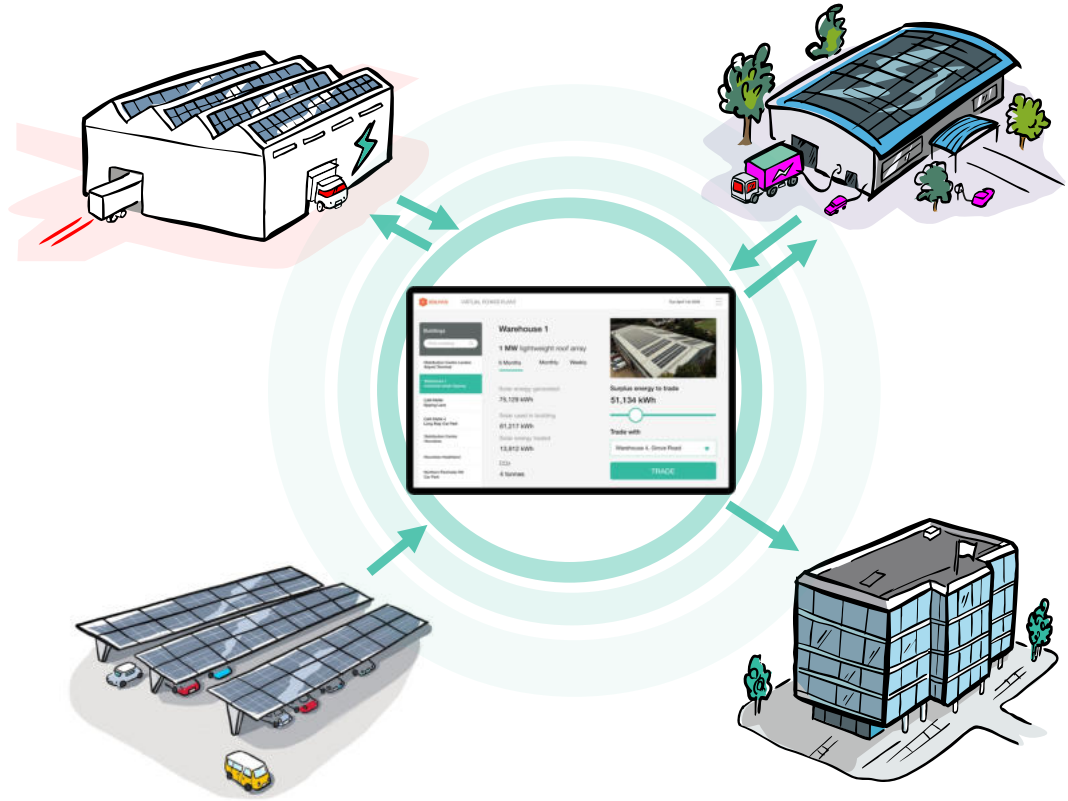


CREATING A VIRTUAL POWER PLANT

Large commercial solar installations generate a lot of green energy – at times, **more than a building can use**.

In these situations, Solivus can create a **Virtual Power Plant (VPP)** enabling **excess energy to be traded** between different buildings.

The energy trading can be managed and monitored **via an app**, giving our customers **complete control** over their solar energy usage.

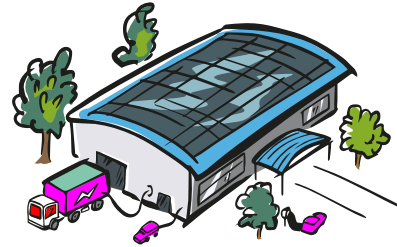




WE CAN HELP FINANCE YOUR PROJECT

Investing in solar energy is a smart choice for reducing electricity costs and promoting sustainability.

Up-front **capex** works for a business with available capital. Solivus, however, also offer **two flexible financing options**, tailored to suit clients with budget constraints.



ASSET FINANCE

Suitable for businesses looking to spread the cost over time without large upfront expenses.

POWER PURCHASE AGREEMENT (PPA)

Suitable for businesses wanting to enjoy solar savings with no upfront costs or maintenance responsibilities.

CASE STUDIES



FARNBOROUGH
AIRPORT

[READ HERE](#)



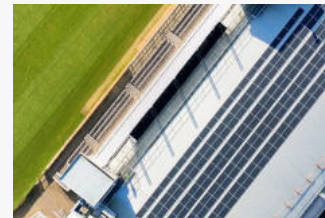
TESCO
WATFORD SUPERSTORE

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ASTUTE
ELECTRONICS

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NORTHAMPTON
CRICKET STADIUM

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NORTHAMPTON SAINTS
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BALFOUR BEATTY
MODULAR CABIN

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BALFOUR BEATTY
HS2

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COTSWOLD
AIRPORT

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OUR PARTNERS AND ACCREDITATIONS





































TO GET IN TOUCH

[BOOK A CALL](#)

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OUR
PLANET
OUR
POWER!

