



NAPIT



**victron energy**  
BLUE POWER

PureStorage II AC & DC Systems  
Certified Installer



## NEW to Market Solar Solutions

A collision of industries in the solar and semi-permanent structure worlds means the development of solar power being harvested from pvc roofs is now possible through **Make Safe Solar Ltd.**

The development of our high- powered solar panels and associated technology alongside our specialist fastening, we can now produce renewable energy from any size pvc roof for any structure.

Our revolutionary energy solution can be installed to any sized semi-permanent structure, both new and old, from **wedding venues** to **industrial warehouse buildings**. Speak to our team for your green energy requirements and what we can offer for your structures so you can use sustainable power for your business.



# MAKE SAFE SOLAR LTD

*“GENERATING GREEN  
POWER THROUGH  
YOUR PVC”*

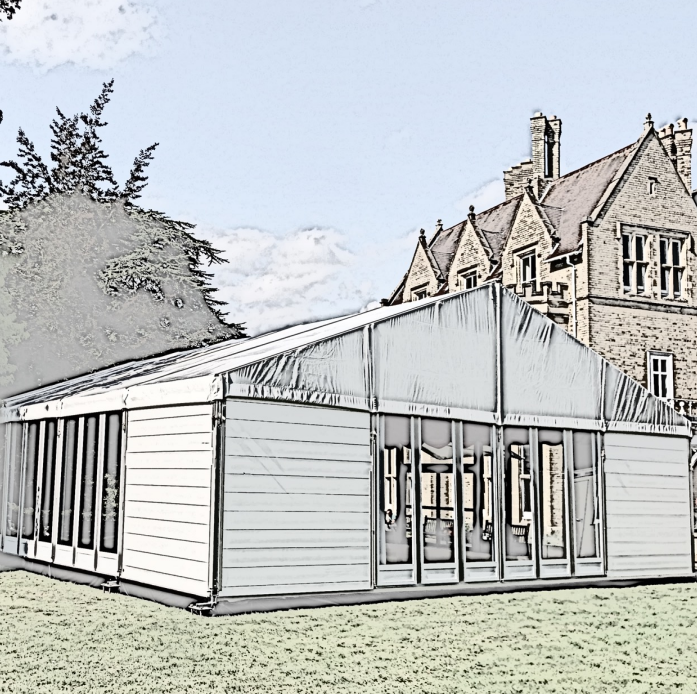
## What and Why

**Q: Do you have an existing structure that is up for long term use?**

**Solution:** *You now have the option to make it “green” Please contact us so we can carry out a no obligation site survey where we will look at your exact power needs, existing structures on your site and offer you a green solution for your future energy needs using your own structure as your energy harvester.*

**Q: Looking at purchasing (or leasing/hiring) a new long-term structure?**

**Solution:** *If you are looking at installing a new structure to your site, whether industrial or semi-permanent, you now have the option to produce green energy from this structure. Contact us so we can help and advise you on what green energy options you now have.*



# Our Company

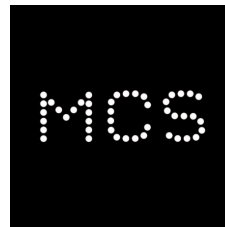


Make Safe Solar are experienced in working with Structures and Solar Solutions.

Based in Oxfordshire we cover the entire UK and beyond and specialise in fitting bespoke power solutions to new and old structures.

We have dedicated teams of solar specialist qualified electricians and site surveyors who design and oversee each individual install.

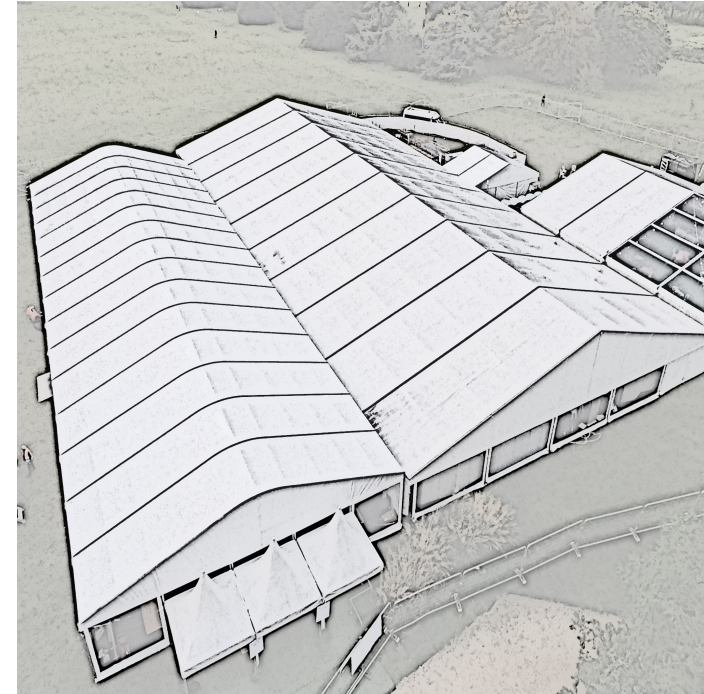
Our client account managers offer full technical and maintenance support to new and existing customers.



**CERTIFIED**



[www.makesafesolar.com](http://www.makesafesolar.com)



## Key Features:

- Harvest solar power from any size marquee, structure or temporary building.
- 'On Grid' and 'Off Grid' systems available.
- Structural integrity is not compromised from our lightweight, versatile and durable panels.
- Our solar can be fitted to both existing and new pvc roofs as well as standard hard roofing systems
- Power existing permanent buildings from your marquee solar harvester, not just the stand alone structure.
- Fast and efficient install times

## We offer:

- A Green solution for your future energy use
- No upfront cost options, you can receive the green power solutions you need from natural resources
- Competitive consumer prices for your power
- Installation, Support and Maintenance from an experienced company
- Finance and rental agreements
- Save on the high install costs of a new power supply to newly purchased structures by using our self-contained energy solutions
- New technology not available until now
- No up-front costs, including saving you money on your future energy bills
- Experienced knowledgeable company with experienced track records in both the Solar and Structure industries.





# Power hook up and costs

Getting **“On-Grid”** power supply to some sites is going to be an expensive cost to any project, which can require a lot of civil work. These include ripping up existing tarmac/roads to get power cables laid in trenches to power the structure.

Clients now have the option to go for our **“Off-Grid”** solution which makes our energy solution self-contained and managed remotely by us, without the extra expense and disruption and high costs caused by civil building works.

If you are planning on installing a new structure, or have an existing structure which has power supply to it, this is **“on grid”**. We can look at installing a solar power system for you and offering a more competitively priced and a green sustainable solution for your power needs and your business can do its bit in becoming more sustainable.

## Costs to purchase **“On and Off grid”** Power generation systems (subject to terms and site visit based your actual energy needs)

Structure Size	10m x 25m	30m x 100m
Budget to purchase and install“off grid solution”	£20,786	£227,294
Budget to purchase and install “on grid” system	£10,786	£181,794
Annual Est Power Output	7035 Kwh	103180 kWh

*All prices given are estimates and are plus VAT @20%*

## No up-front costs solutions (subject to terms and site visit)

Structure Size	10m x 25m	30m x 100m
Cost to purchase system	£0	£0
Annual Est Power Output	7035 kWh	103180 kWh
Approximate monthly cost of “on grid” energy solution	£176	£2,580
Approximate monthly cost of “off grid”energy solution	£293	£4299

## What is **“Off Grid and On Grid”**?

**“Off Grid”** means there is no other power supply from the national grid to the structure.

**“On Grid”** means there is existing power from the national grid to the structure.

### **Case Study 1, Retro Fit for Oxford University:**

An Oxford University College wanted to re-configure their power supply for their semi-permanent structure to make it a 'Green Space'. The structure in place is acting as a student recreation area within the college campus. They required our system that can harvest green energy from its roof space to power:

- Device charging points for students
- Running the functioning power needs throughout structure
- Lighting needs for structure
- Heating solutions
- Option to feed in excess power production back to main connecting buildings

#### **Our Solution:**

A site visit revealed the structure was 12m x 24m with gable end orientation of east to west revealing a southerly facing roof space of 144 sqm.

Our team of qualified electrical engineers installed a grid connected power line to enable the adjacent building to use the excess power not needed by the structure's solar generation. This enabled the reduction of our clients existing power needs from their current on grid supplier, both saving the client costs on their energy bills and making this energy 100% self generated and green.

System chosen was capable of delivering 15Kwh peak at a price of £32,995. This system has the potential to deliver 56kwh back onto the grid in a day. On a typical rate of 0.30p per Kwh, this system will have an approx saving of £19.20 per day and using an export payment of 0.08p this will be a back payment of potentially £4.48 per day. Giving an overall max saving per day of £23.60

### **Case Study 2. New Structure for Car Auctioneer**

Housed within a disused airfield, a car storage facility needed a new industrial structure.

Although the power requirement for the new car preparation structure was fairly small in terms of what we could harvest, the client wished to install a larger system and over-harvest in order to power existing adjacent site offices, new electric car charging stations and welfare cabins.

The existing site was being powered by Diesel Generators which ran for 24 hours a day. The client wanted to reduce their carbon footprint alongside reducing the costs and logistical problems involved in running diesel generators.

#### **Our Solution:**

We worked alongside the client and the structure supplier to design and deliver a green clean solution for their future power supply. The manufacturer was going to install an industrial structure with thermo-roofs and solid sides. The structure was 15m wide x 50m long in open area with a southerly facing roof space of 375 sqm.

Our Solar solution along with the power distribution management system were pre fitted to the entirety of the southerly facing pvc roofs for quickness and ease of install. They were then delivered and installed alongside the structures installation team within a three day time frame.

Power generation was instant and the client had their full power needs immediately.

The system the client chose to be installed enables a maximum annual harvest of 51,590 kWh. The client chose our no upfront cost rental option and pays a negotiated price per kW pence per month.

### **Contact Details:**

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