

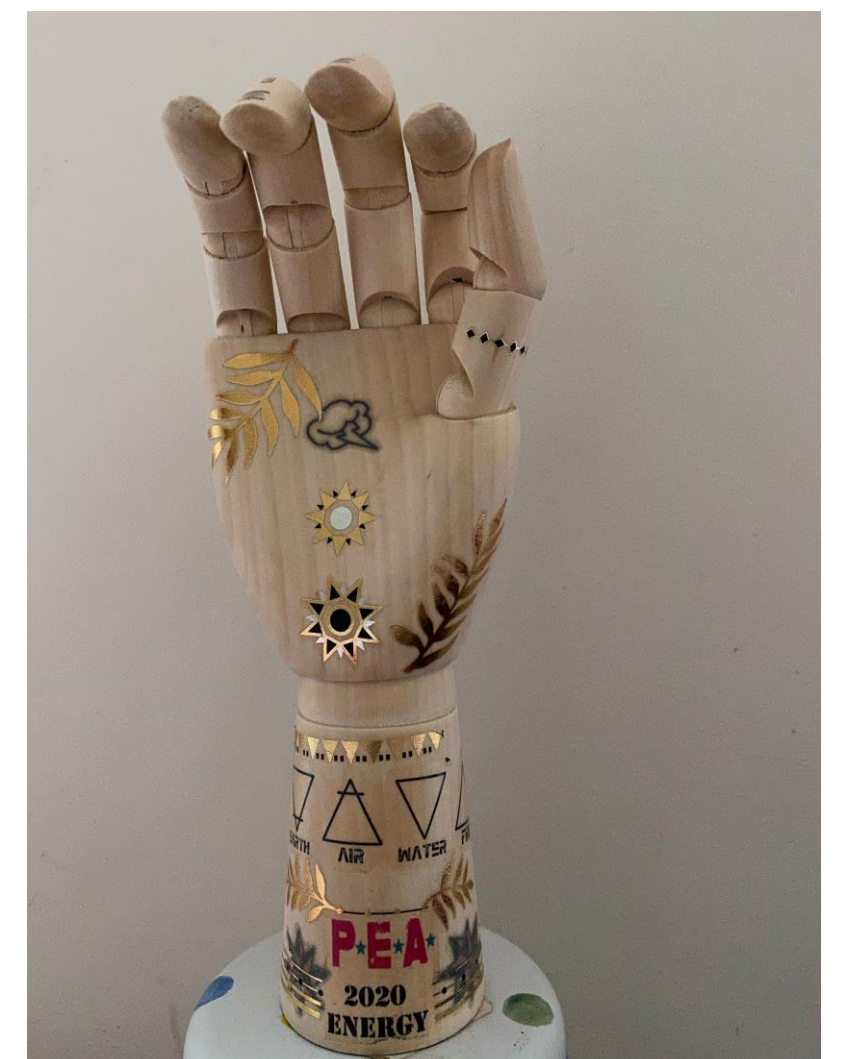
Heliomotion Solar Tracking

Taking Solar Generation in a new direction

Winner of the Build It Home Technology Award 2018

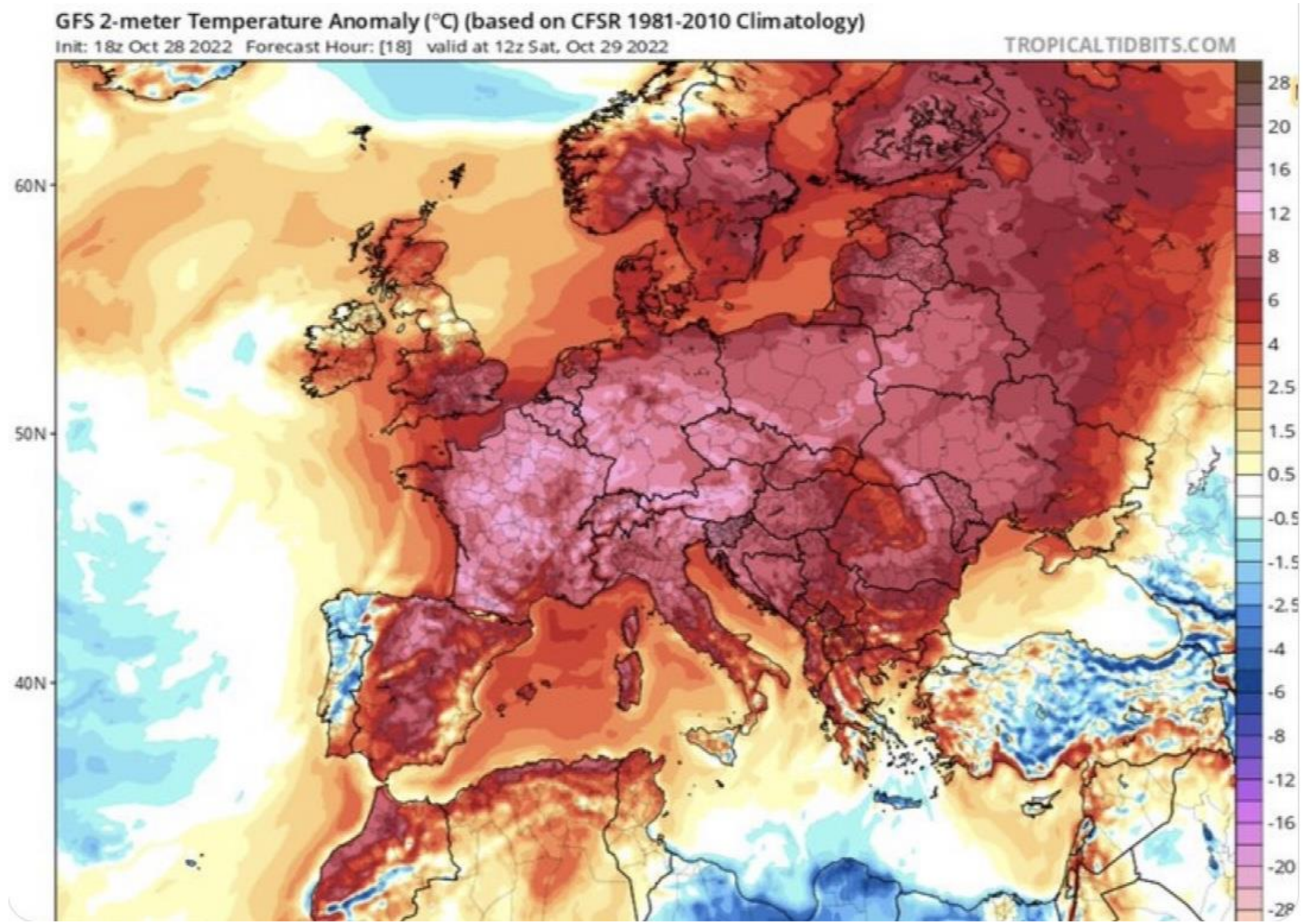
Melissa Briggs - CEO, Bee Solar Technology Ltd.

(Winner of People Environment Achievement Energy Award 2020)





Why should we be taking notice?



Global temperature warning 28/10/2022: it is way hotter than usual at this time of year

Bee Solar Tech's 2 recent award shortlists!





Did you know that enough **sunlight**
falls on Earth
every hour
to meet the world's energy demands
for a whole year?!



Alternative Solutions



Solar Tracking



Static roof, static ground
Solar tracking

Static roof or ground mount

Heliotropic - like a sunflower

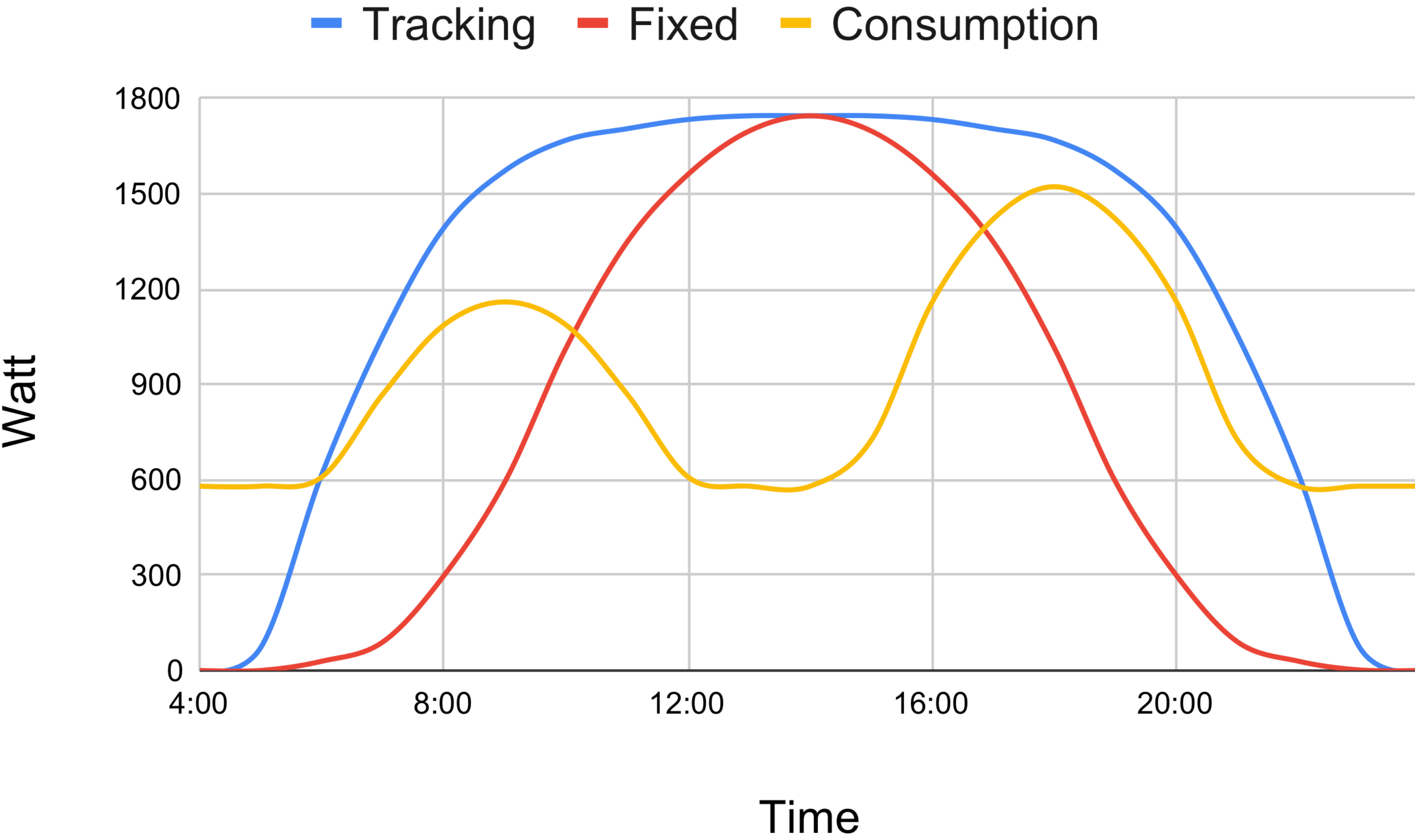




Comparison: output to household demand.
Heliomotion mirrors the consumption curve far better than fixed static roof or ground.



Average 45% increase in output, owing to increased hours from dual axis tracking.





System sizes and estimated annual output range using 380 watt panels in England. (Calculated using average sun hours per annum.)

Our 4th option, the 2 panel system is not shown.



Heliomotion PV-3
With 3x350W panels (1050 watt)
Annual production: 1200-1500 kWh

With 3x400W panels (1200 watt)
Annual production: 1400-1700 kWh



Heliomotion PV-4
With 4x350W panels (1400 watt)
Annual production: 1600-2000 kWh

With 4x400W panels (1600 watt)
Annual production: 1800-2200 kWh

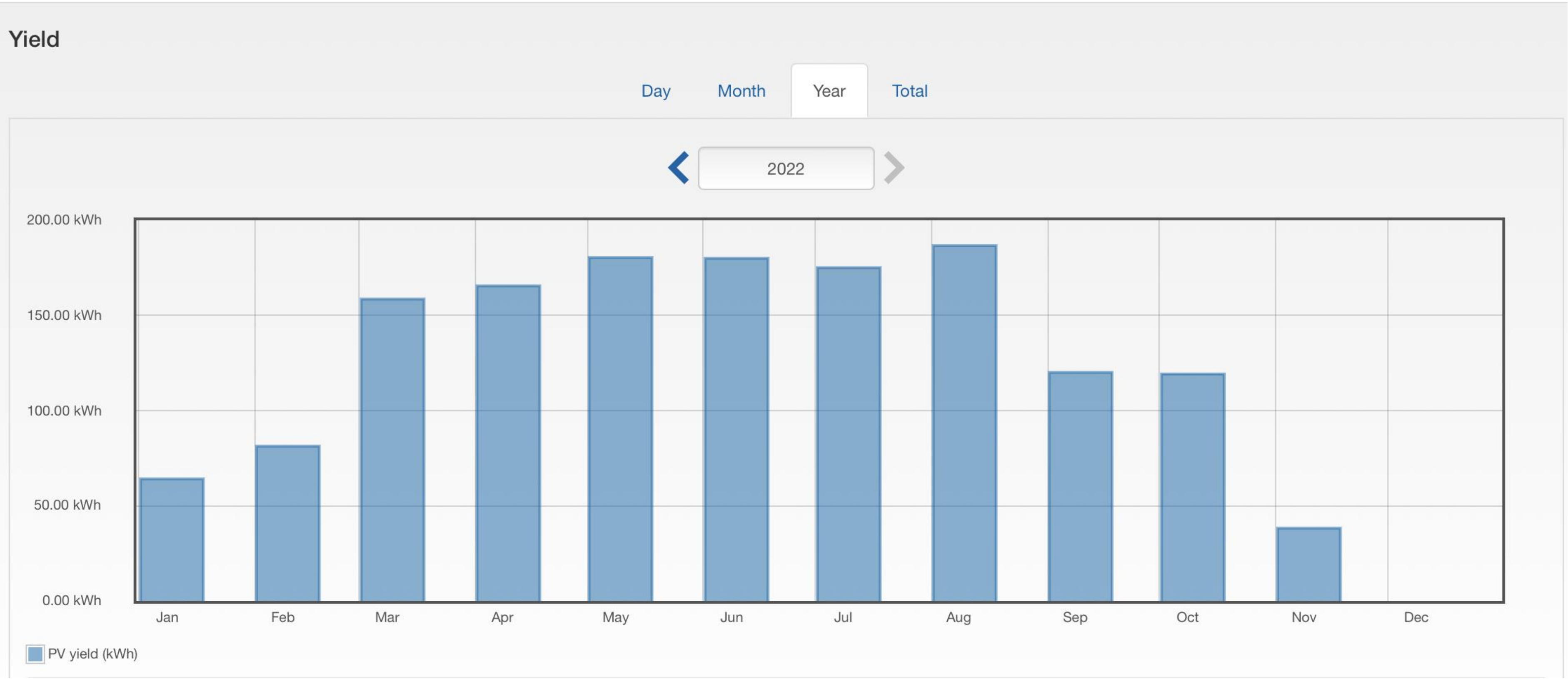


Heliomotion PV-6
With 6x350W panels (2100 watt)
Annual production: 2400-3000 kWh

With 6x400W panels (2400 watt)
Annual production: 2700-3300 kWh



Example kWh
output from PV-
4
Jan - Oct 2022
1,465 kWh so
far





3 x PV-6
Installed June in
Worcester

18 panels
Generated 52
kWh 7/8/22





Delivery by EV

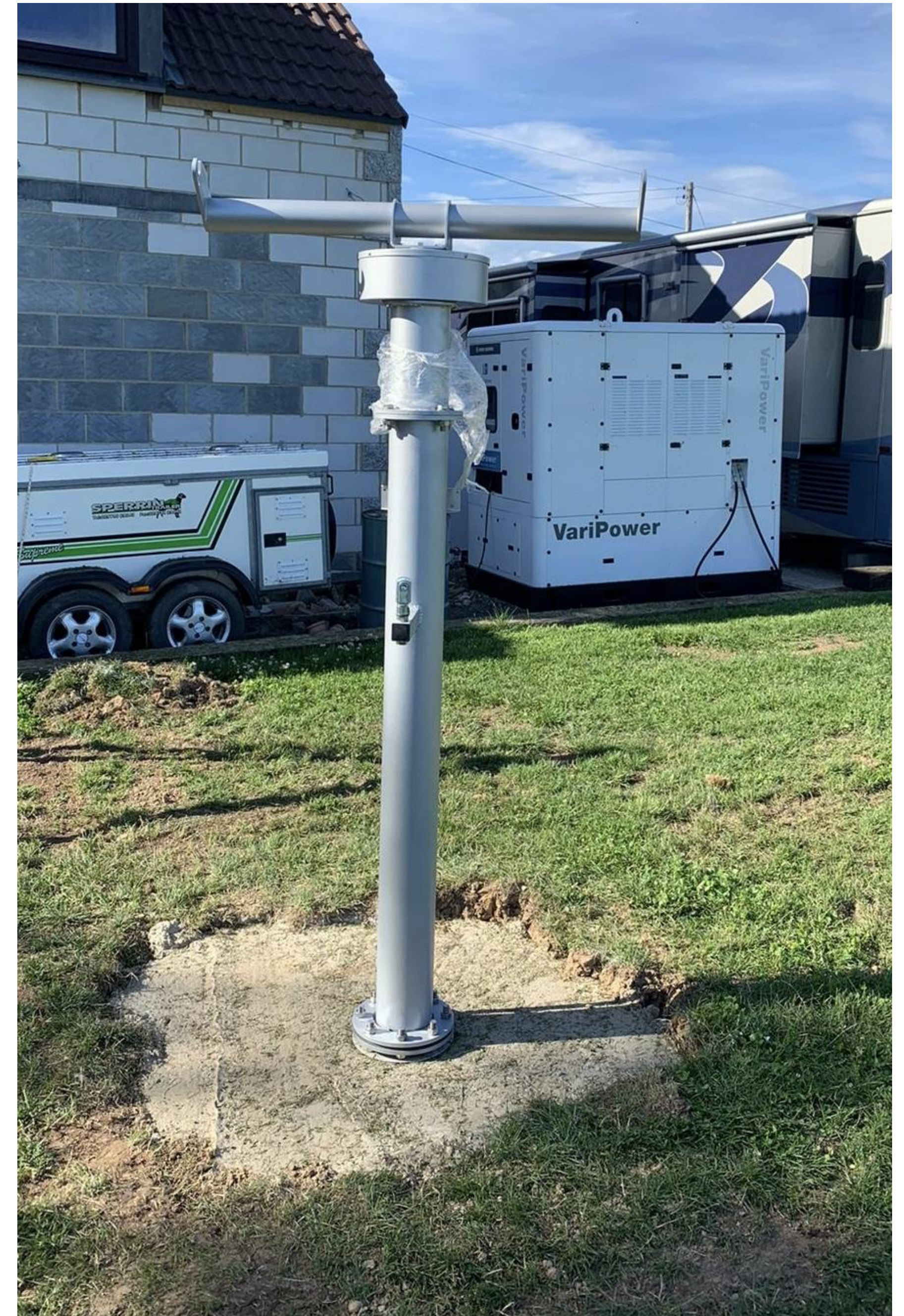
Mounting options:
concrete plinth or
ground screws using Atlas
Copco Cobra





Concrete
mount with
aluminium
base plate.

Make sure
the balk
faces due
south - you
can use a
smart
phone



Attach the foundation column to the steel base plate. Add the drive units to the columns.

Ensure the spacing prevents the systems shading each other.





PV-4, frame on, ready for panels

PV-6, panels in position

Conduit in position ready for cable





Wiring under way - you can turn the panels to the horizontal to facilitate reaching the cabling.

Inverter, transformers etc in nearby outbuilding





Can you power a community project with multiple Heliomotions?
Yes, you can. (15 systems now generating 45,000 kWh p.a.)



Microgrid under construction in Heden in 2021





Can you help to power a company HQ with multiple Heliomotions?
Yes, you can. (6 systems + rooftop + battery = off grid)



WMA HQ in
King's Lynn
October 2022





Subsidies: FiT - ended April 2019

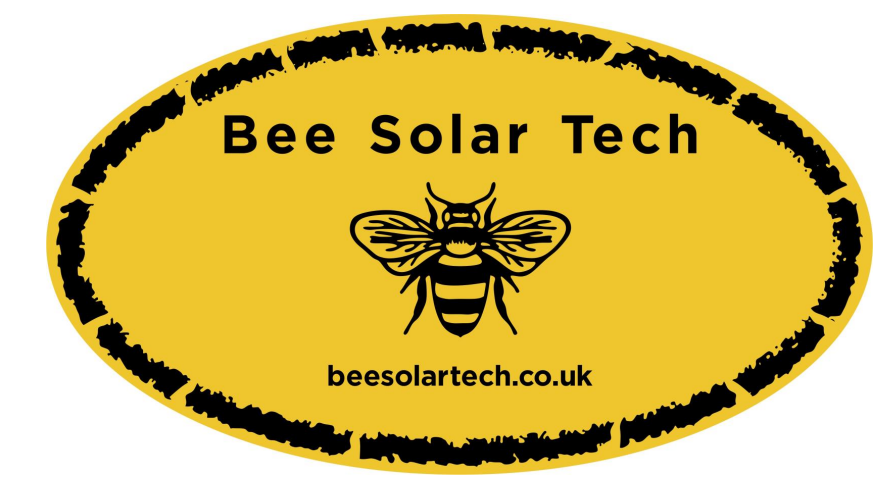
Smart Export Guarantee - only has to be more than 0.0p, averages 3.5p

RHI - Renewable Heat Incentive cut to £5k

VAT is only 0% if you buy from an installer

Storage is valuable if you can afford the capital cost - £10k average.

ROI has shortened as a result of the energy crisis/rising prices.



Data sheets, assembly manuals,
video links, multiple system photos etc:

www.beesolartech.co.uk

Email: sales@beesolartech.co.uk

Phone: +44 3333 034366