

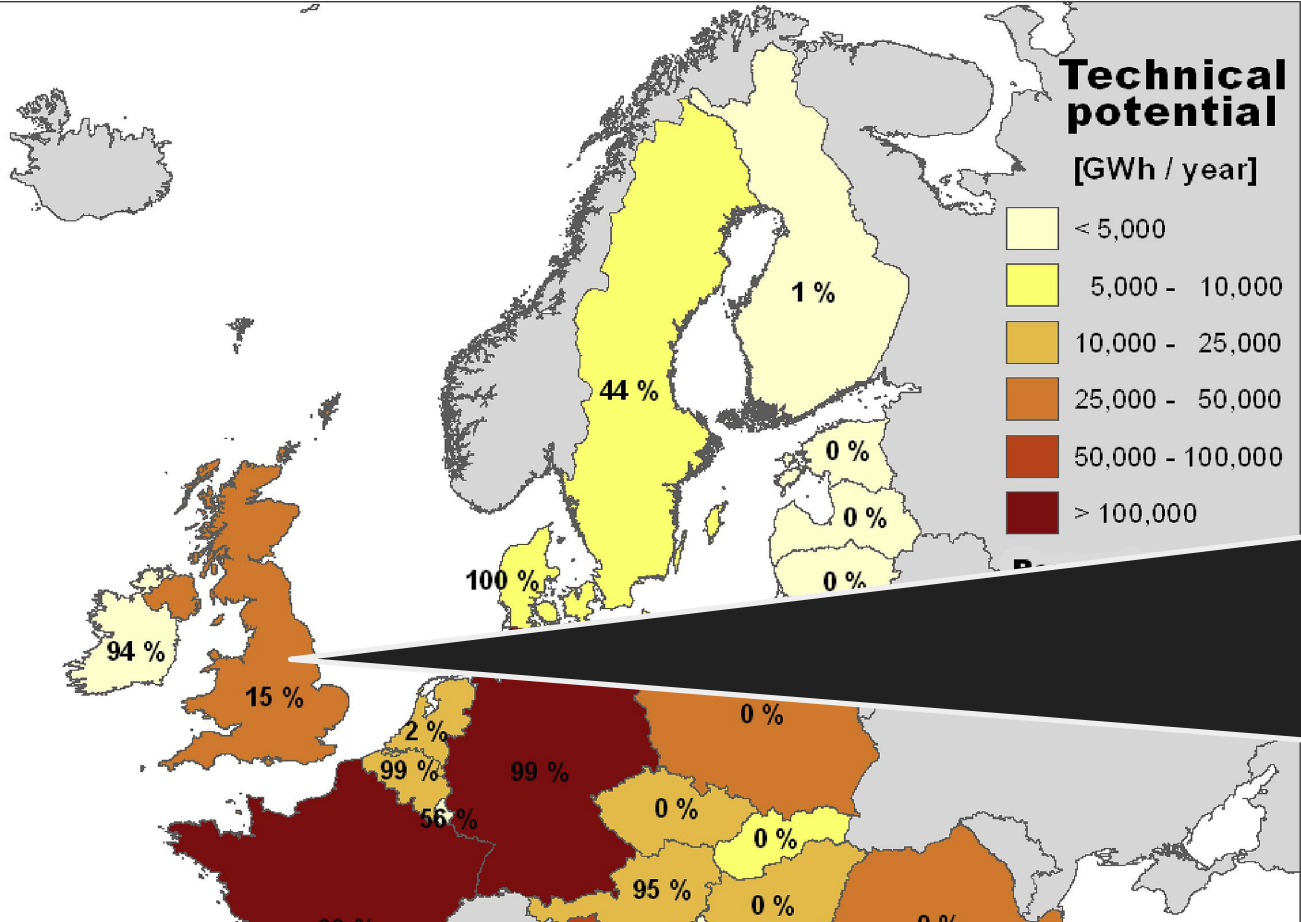
Big Solar Co-op

Now we scale!

Big Solar Co-op Annual Gathering
Gloucester October 2023

The Big Solar Co-op

- A not-for profit co-operative co-owned by its Investor and Volunteer Members
- Working anywhere in the UK
- Building solar on community and commercial buildings
- Powered by volunteers, supported by professionals

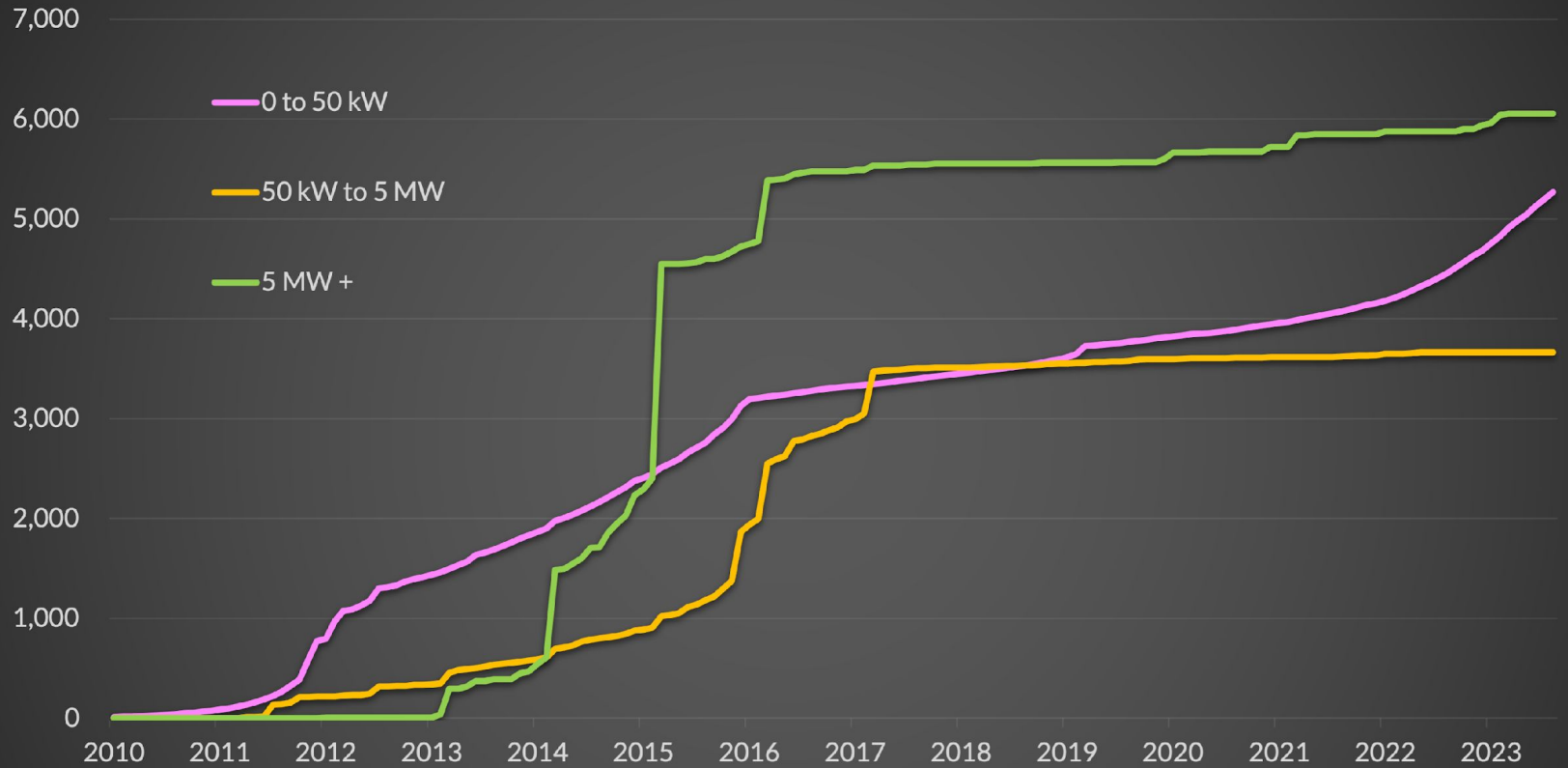


UK rooftop solar technical potential 43,000 GWh/yr:

- ~50,000 MWp
- 5-6 times what we have now
- 13% of UK electricity demand

Bódis et al: A high-resolution geospatial assessment of the rooftop solar photovoltaic potential in the European Union. Renewable and Sustainable Energy Reviews, 2019

MWp of solar deployed in UK



Data source: DESNZ

Average solar deployed per yr last 2 yrs:

	MWp
0 to 50 kW	435.0
50 kW to 5 MW	24.2
5 MW +	114.7

Average solar deployed per yr last 2 yrs:

	MWp
0 to 50 kW	435.0
50 kW to 5 MW	24.2
5 MW +	114.7

4%?

Kerry T&N:
298 kWp

Eco-Pak:
593 kWp

?



2023:
891 kWp +

Our ambition by 2030

- Install 100MW of rooftop solar.
- Engage 250 active volunteers across 25 local groups.
- Create 10 new sustainable jobs.
- Create ethical, accessible social investment opportunities raising £25m.
- Save over £300,000 annually on fuel bills for community buildings and social housing.

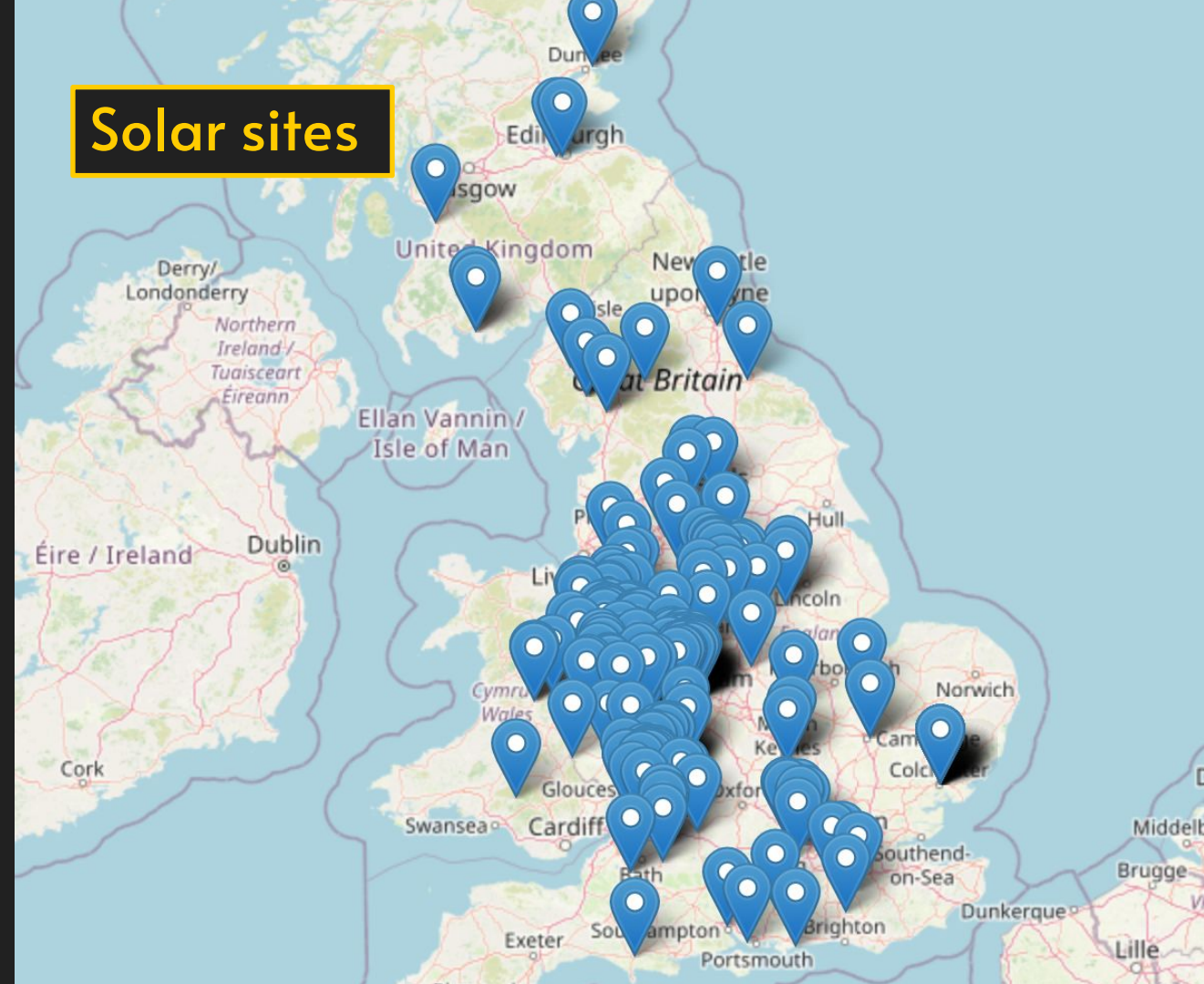
Our ambition by 2030: as at end 2023

- Install 100MW of rooftop solar. 1%
- Engage 250 active volunteers across 25 local groups. 40% and 20%
- Create 10 new sustainable jobs. 45%
- Create ethical, accessible social investment opportunities raising £25m. 4%
- Save over £300,000 annually on fuel bills for community buildings and social housing. 0%





Solar sites



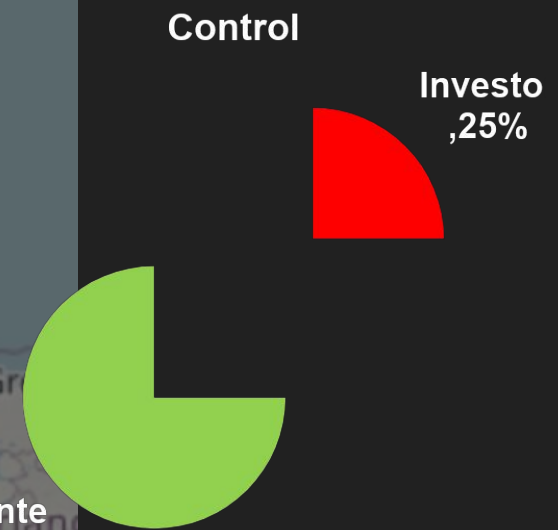
metalworker ex
 packaging coal food
 steel swimming visitor
 supplier clothing care charity
 golf hub hotel cricket
 brewery doctors pool
 school FE
 manufacturer club
 processor
 farm college
 agricultural

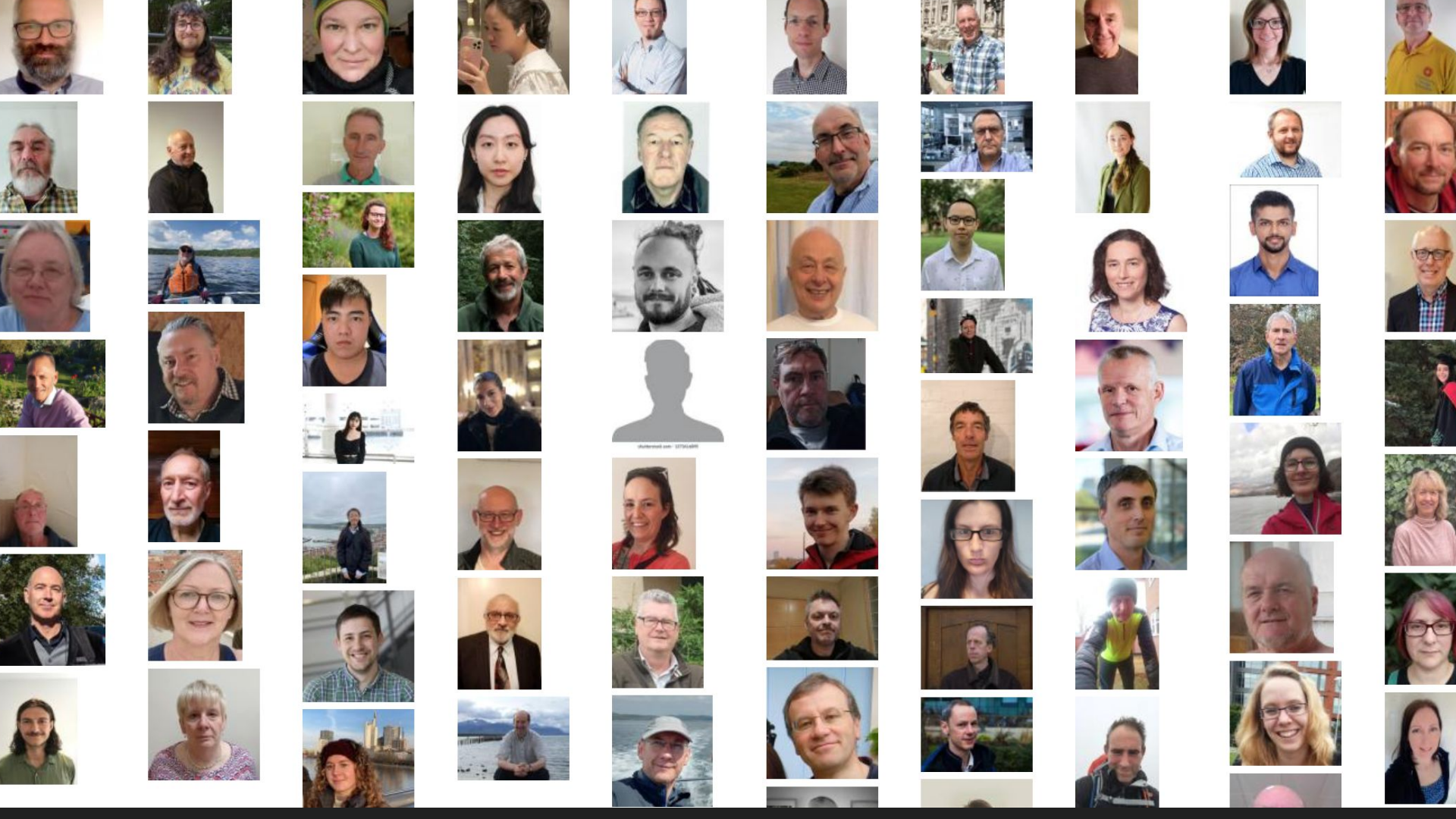
	No.	kWp
Building phase	2	891
Under exclusivity	13	1022
Commercial negotiations	84	1122

Volunteer members

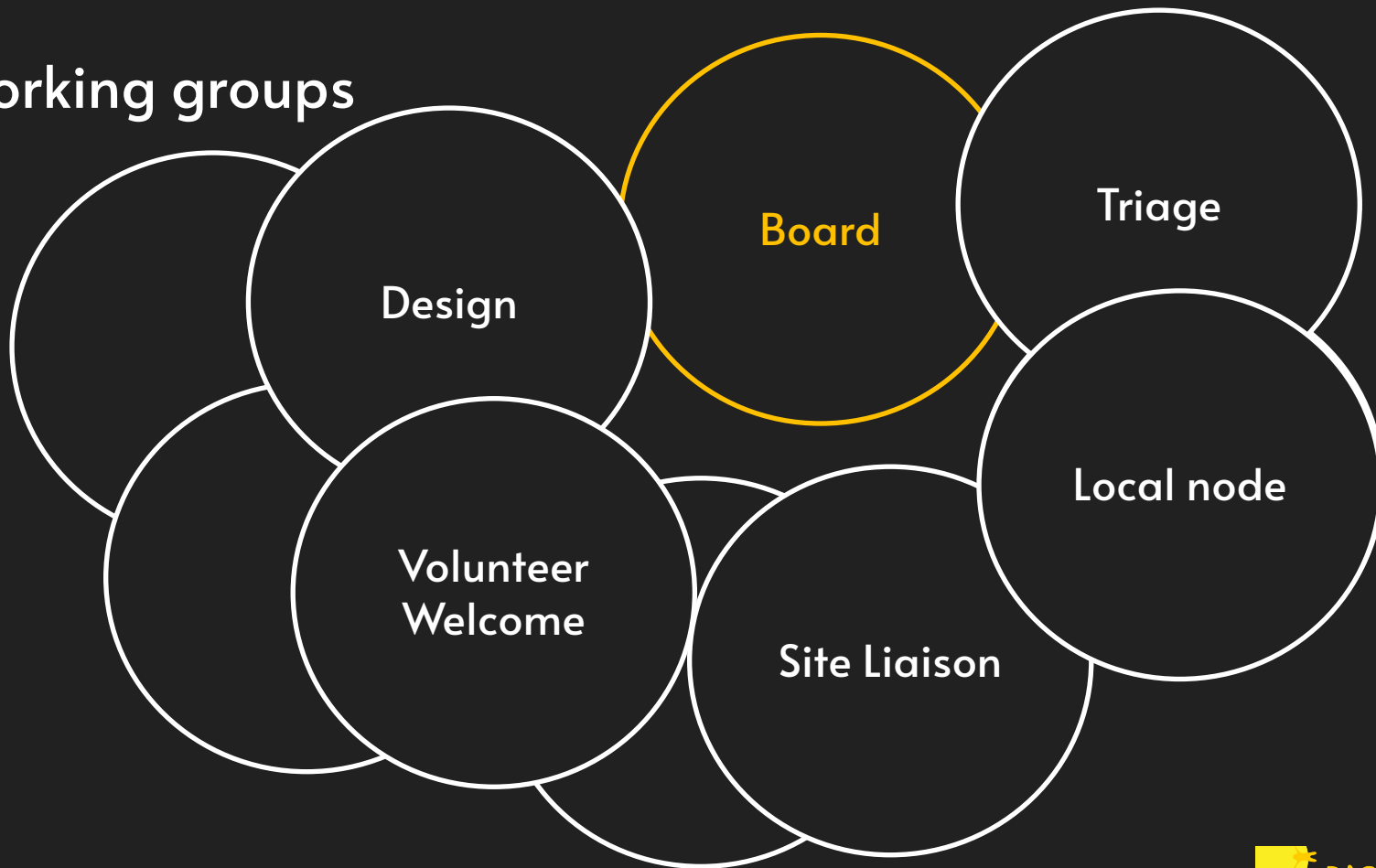


88 fully signed-up
Volunteer Members





Working groups



Nodes

Shropshire & Telford

Derbyshire Dales

Birmingham

Forest of Dean

Stroud



Board





Kevin Oubridge
Node Coordinator
(Shropshire & Telford)

Chris Rigby
Technical Lead

Maria Ardley
Node Coordinator
(Stroud)

Dean Hill
Client Lead

Jon Hallé
Co-founder

Noël Lambert
Content and Community
Lead



Partners

SPENCER WEST

MEYER BURGER

shareenergy

OpenSolar

Fronius



Wind & Sun
Powering the future

ecovision
ASSET MANAGEMENT

Painted
Life



Basingstoke Energy Services Co-op
For the benefit of our community

Black Woods Legal

BIG SOLAR CO-OP

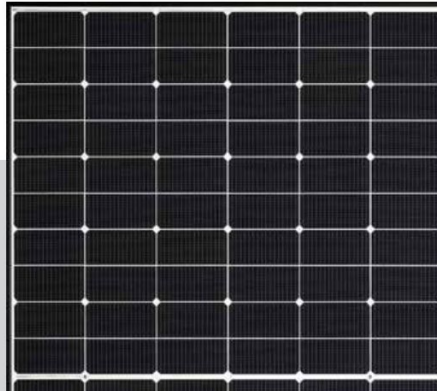
Ethical sourcing



Meyer Burger White

380 – 400 Wp

For higher energy yield over the same area:
Heterojunction high-performance solar module
with SmartWire Connection Technology (SWCT™).



Made in Germany. Designed in Switzerland.

Production and development according to the highest quality standards.



Highly profitable

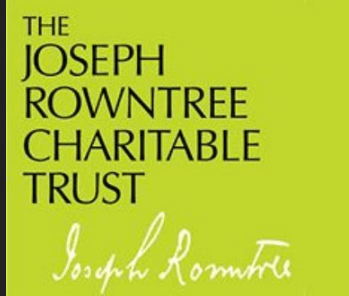
More energy yield over the same area even on cloudy or hot days.



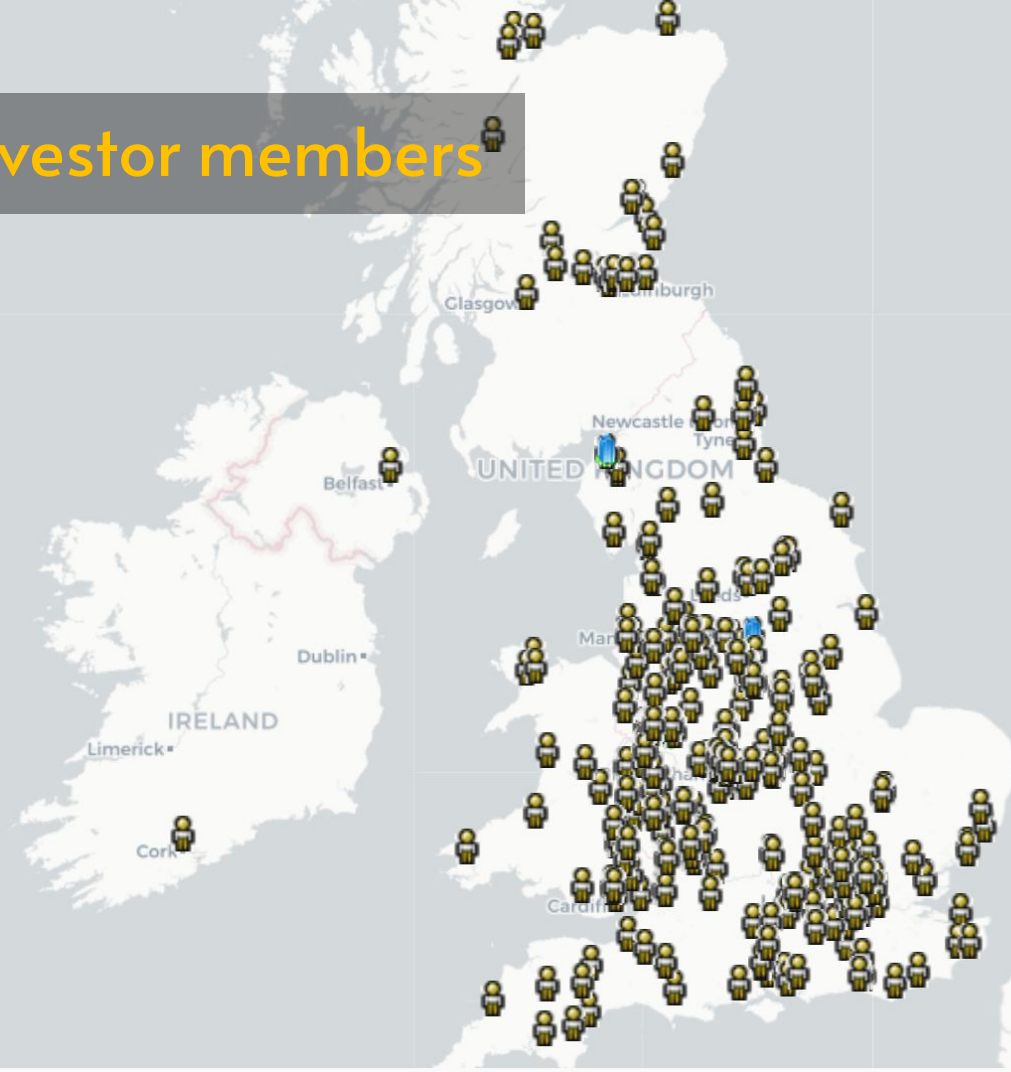
Extremely durable

Exposure	Company
HIGH	Canadian Solar
VERY HIGH	JA Solar—Southeast Asia/US
VERY HIGH	JA Solar—China
HIGH	Jinko Solar—Southeast Asia/US
HIGH	Jinko Solar—China
VERY HIGH	LONGi Solar—Southeast Asia
VERY HIGH	LONGi Solar—China
VERY HIGH	Maxeon 3/5/6 Module / Sunpower X-/A-/M-Series
VERY HIGH	Maxeon / Sunpower Performance Series
NONE (UNVERIFIED)	Meyer Burger Technology
VERY HIGH	QCells
NONE (UNVERIFIED)	REC Group N-Peak and Alpha
VERY HIGH	REC Group TwinPeak 4
HIGH	Tongwei Solar
NONE (UNVERIFIED)	Trina Solar—Southeast Asia
VERY HIGH	Trina Solar—China

Funders



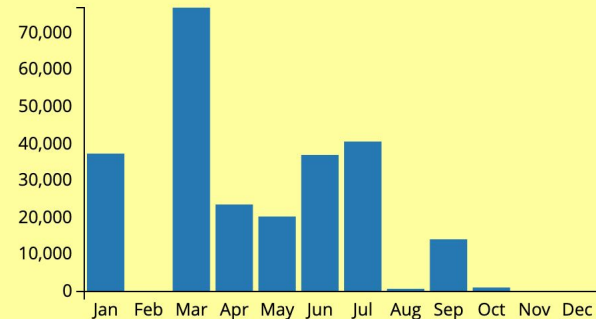
Investor members



Share offer #1 2022:
£832,417, 313 members

Share offer #2 2023:
£235,800, 96 members

By Month - 2023



2024

- Build our volunteer training and support offer
- Expand our node network
- Raise funds
- Build a lot of solar!

