

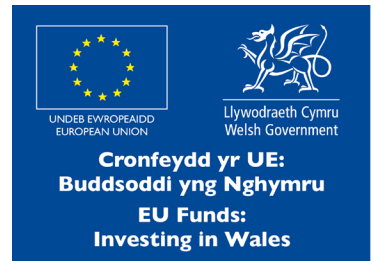
sero

James Williams | Co-founder & CEO



Solitaire Pritchard | Head of Regeneration

Penderi Energy Project



PLACE MAKERS

Penderi – Swansea

- 700 Pobl Homes
- Estimated 1200 Local Authority Homes
- Llanmoor Homes Strategic Development Area
- Land within the Housing Revenue Account
- Commercial Land (former Leo's site)
- Possible Development Sites
- Abundance of green infrastructure

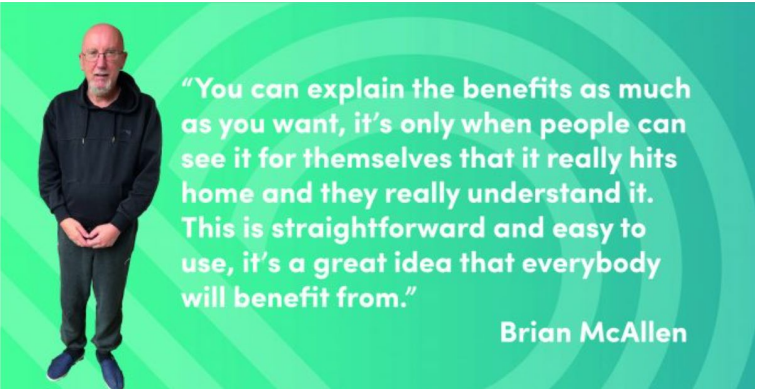


CARBON CUTTERS

Place Making to Zero Culture Offsetting Biodiversity Carbon Neutral

Penderi Energy Project

- Largest of its kind
- £7 million funding secured
- Pobl Investing £1 million
- Aggregated System
- Sero App reached initial development stage for pre-payment customers
- WPD on site
- Full rewire agreed
- Customer Engagement



Hello Penderry

pobl sero

Pobl and Sero are working together with your community to deliver £5 million pounds of investment in your area over the next year or two. Working alongside residents, this groundbreaking project is the biggest of its kind in the UK, and will give homes in your neighbourhood the opportunity to receive an energy upgrade. This will lower your electricity bill, give you better control of your home comfort, and help fight the climate emergency. This state-of-the-art technology is being funded by the Welsh European Funding Office and your landlord Pobl, so won't cost you anything and it will reduce your electricity bill.

How it works
Solar panels on the roofs of many houses in your neighbourhood will capture their renewable energy from the sun. Of course, they'll not have the difference when you know it but when it's dark, they'll store the energy in a battery. And each house will have the electricity for your home when you need it. And each house will have the electricity for your home when you need it. And each house will have the electricity for your home when you need it.

What it means for you
In the coming months, you will be contacted to discuss your home energy upgrade. You will have a choice of energy providers to choose from. You will have a choice of energy providers to choose from. You will have a choice of energy providers to choose from.

Timeline 2020-21

September - December	Survey work
October - December	Preparation work (cablework)
November - January	Apartment work being made
January - March	Home work start

Find out more
For the latest information on the project, visit www.seroenergy.com. You can also contact the Sero Customer Support team at sero@pobl.com or call 0800 000 000.

Thank you, Sero

Penderi Retrofit Project

What is the project doing?



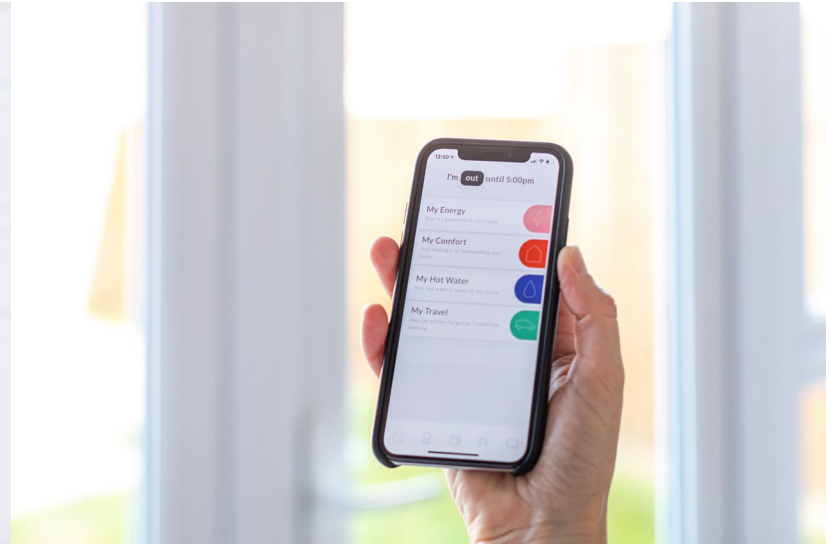
Solar Panels

1,400 kW
~4,500 panels



Battery Storage

3,200 kWh
644 batteries



Smart Controls

Linked to Sero's comfort
service

Penderi Retrofit Project

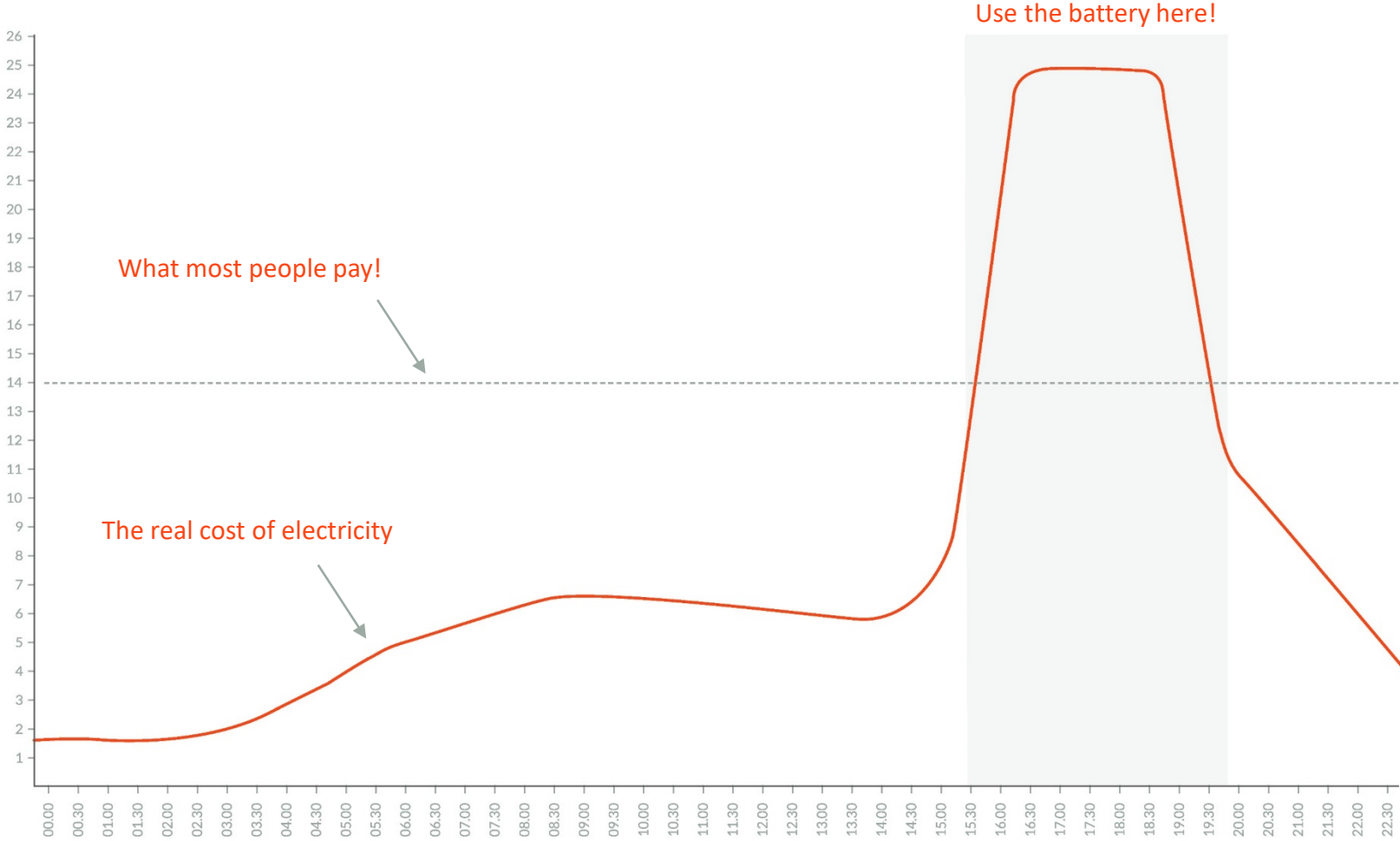
Why?

- To reduce tenants energy bills
 - Generating energy in the community and reducing the amount needed to be bought.
 - Storing that energy within batteries to reduce the amount sent back to the grid.
 - Sharing that energy within the community, to ensure everyone benefits fairly.
 - Being clever about when we buy energy.
- To reduce Carbon emissions
 - Energy also changes in Carbon aswell as price. When the wind is blowing, sun is shining, electricity is greener (and usually cheaper).
 - Helps the landlord achieve Carbon reduction targets.



Penderi Retrofit Project

Dynamic energy pricing, typical 24 hour profile

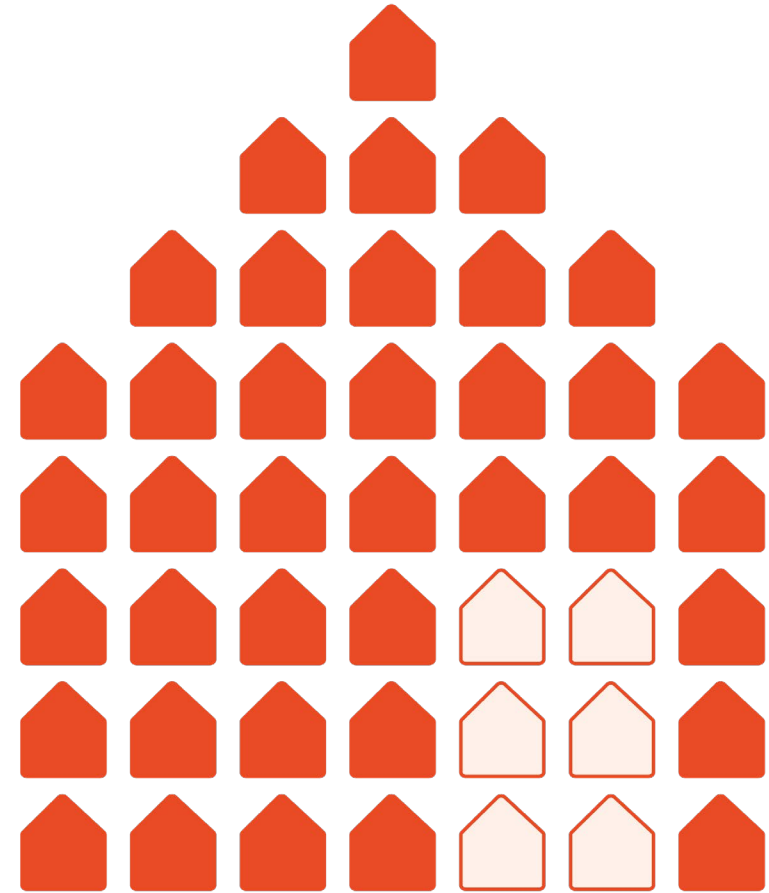


Penderi Retrofit Project

Community working together

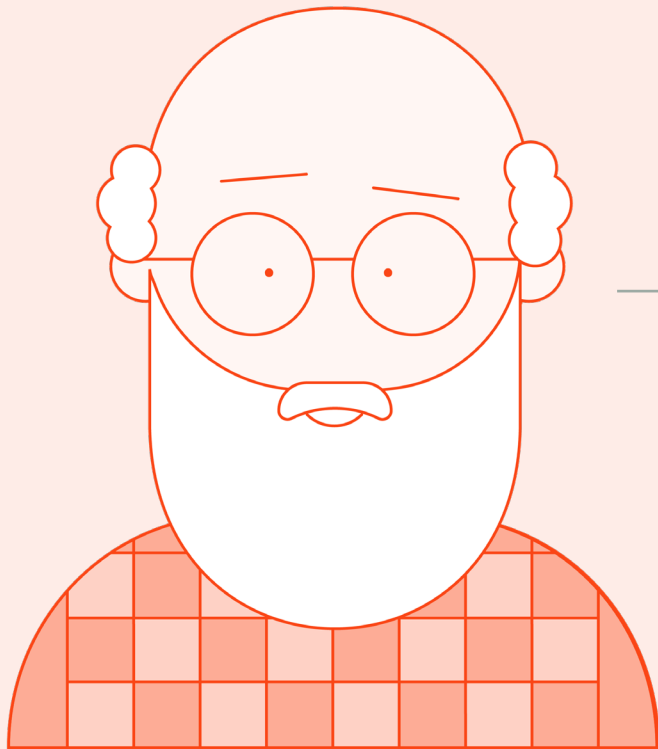
- The community working together can help support our energy system. This can generate more income for the community.
- Batteries in homes can be linked together to replicate grid scale battery storage.

Grid scale battery storage

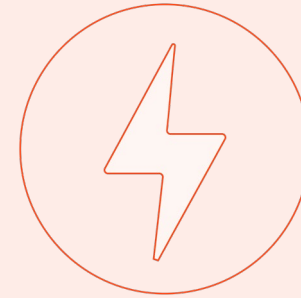
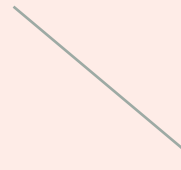


The tenant experience

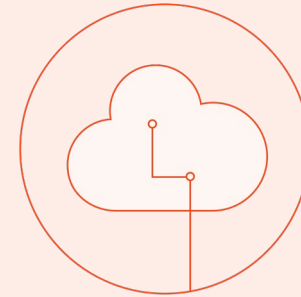
Comfort, not kilowatts



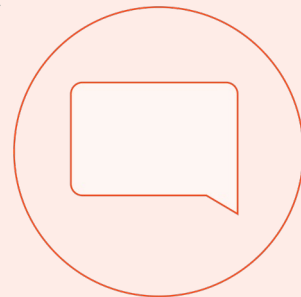
sero life



Energy Purchase



Intelligence



Customer Service

sero

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Thank you