



Case Study

Odet Court

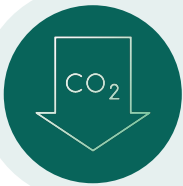
Customer	Pendwyallt Rd,
Wales & West Housing	Cardiff, UK

Impact in Numbers



£560-£690

Yearly bill savings per flat



12

Tonnes of CO₂ saved



15

Tailored SAP point increase

Additional Outcomes

- 60-70% grid energy reduction
- Regular automated reports
- System alerts for faults, overuse, and fuel poverty
- Funded by the Optimised Retrofit Programme in Wales
- Minimal resident engagement required
- Achieved net-zero target



Project details



24
Flats



2.6
kWp per flat



2022
Completed



£2,800
Turnkey price per flat



Wales, UK



"The SolShare system seems to be a much fairer solution as the energy generated by the building can be shared equally to help our residents to keep their electricity costs down rather than going back to the grid."

Joanna Davoile, Executive Director (Assets) at Wales & West Housing



The Client

Wales & West Housing Authority (WWHA) is a social housing provider serving communities across Wales and the West of England. They are committed to improving the quality of life for their residents by investing in sustainable and energy-efficient solutions. With a focus on affordability and environmental responsibility, WWHA aims to reduce the carbon footprint of their housing stock while helping residents lower their energy costs.

What was the problem?

The client sought to equip a block of 24 flats with rooftop solar PV systems and battery storage to provide residents with renewable energy and reduce their electricity costs. The initial proposal was to install individual solar systems and batteries for each flat, which required 24 inverters and 24 batteries. Due to space limitations, the only feasible location for the equipment was the attic, a solution deemed inappropriate by the client due to potential safety and accessibility concerns. As a result, the project faced significant challenges and was at risk of being abandoned.

What did we do?

Upon discovering the SolShare system, the project was reconfigured to use just two inverters, two batteries, and two SolShare units to connect the entire block of flats. This reconfiguration significantly streamlined the installation process, allowing the equipment to be conveniently housed next to the meter room on the ground floor—a much more suitable location that met the client's requirements.

Outcomes and Insights

By adopting the SolShare system, we not only simplified the installation but also reduced the hardware requirements, resulting in a 25% reduction in overall project costs.

Benefits to Getting Shared Solar



5-15 Points

increased SAP
and EPC rating



up to 60%

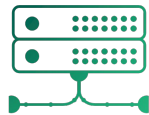
lower energy
bills



CO₂

reduced carbon
footprint

How it Works



Creates a direct connection of solar PV to
multiple flats, behind-the-meter.



Allows you to specify the exact kWp each flat
receives based on their SAP
and EPC requirements.



Sends solar power to each resident when
they need it, maximising their bill savings.



SOLSHARE

Allume

Get Started

Book an appointment with our experts today - they will help you navigate available funding streams and accelerate your journey to net-zero!



Dave Thomson

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Book a meeting



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Book a meeting

Or submit a general enquiry on our website

Get Started