



Case Study

Oak Court Housing Care

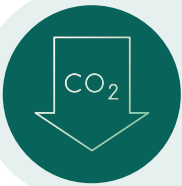
Customer | Oak Court, Penarth
Wales & West Housing | Wales CF64 3NQ, UK

Impact in Numbers



£210-£260

Yearly bill savings per flat



10

Tonnes of CO₂ saved



7

Tailored SAP point increase

Additional Outcomes

- Increased the EPC rating of each flat.
- 19-23% 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



42

Flats



1.1

kWp per flat



2023

Completed



£1,600

Turnkey price per flat



Wales, UK



“This is an exciting first of its kind project for Wales and exactly the type of thinking we need to see within the housing sector.”

**Minister for Climate Change (Wales),
Julie James,**



The Client

Wales & West Housing Authority is a social housing provider that operates across Wales and parts of the West of England. The organisation focuses on providing affordable and quality housing, as well as a range of related services to support the well-being of its residents.

What was the problem?

Wales & West Housing Authority faced the challenge of high energy costs for its residents at Oak Court. The escalating energy bills were a significant burden on residents, exacerbating issues related to fuel poverty. Additionally, the need to improve the building's energy performance and reduce carbon emissions was pressing, given the broader goals for environmental sustainability and compliance with Welsh Government regulations.

What did we do?

Upon the successful deployment of Wales & West's first SolShare system: a 62.4 kW solar system at Odet Court, that has resulted in a 50% reduction in energy bills for the 24 households, the client leveraged the Welsh Government's ORP funding for multiple additional projects, including this one.

Outcomes and Insights

The implementation of the SolShare system not only improved EPC ratings and reduced electricity bills for residents but also qualified them for government funding opportunities. This facilitated the broader rollout of solar installations across their properties, helping them achieve their sustainability goals.

About SolShare

SolShare enables the direct connection of multiple flats to a single rooftop solar PV system. This breaks down the technical and ownership barriers that have historically prevented apartment residents from accessing clean and affordable energy from the sun.



5-20 Points

Typical SAP point increase



up to 40%

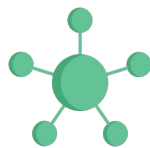
Lower electricity bills



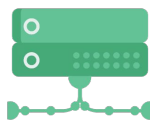
£200 per year

Developer can earn per flat

How it works



Directly connects a single solar PV system to multiple flats.



Allocates solar energy (kWp) to each flat based on EPC requirements.



Maximises solar energy consumption and bill savings.



Get Started

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



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Book a meeting

Or submit a general enquiry on our

Get Started