



Case Study

How a developer met EPC goals with customised solar allocation for flats

Customer | Kent, UK
TopHat



Impact in Numbers



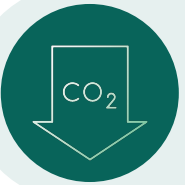
2-9

Tailored SAP point increase



£200-250

Yearly bill savings per flat



7

Tonnes of CO₂ saved

Additional Outcomes

- Successfully boosted every flat to an EPC B rating, by allocating the precise kWp associated to each flat. (See page 3).
- 43 - 56% grid energy reduction.
- Improved carbon savings and reduced running costs of the building.
- Enhanced asset ratings, and future-proofed the property against rising energy prices.

Project details



30
Flats



2
SolShare units



32
Solar capacity (kWp)



0.5 - 1.6
kWp per flat



£1,600
Turnkey price per flat



2022
Completed



Kent, UK

Tailorable kWp to each flat

See how SolShare gets the most from your solar PV system

By allocating the specific kWp associated to each flat, you can add the exact SAP points required to achieve your EPC goals.

Benefits of specific kWp allocation:

- Reduce costs and require less roof space by needing less panels.
- It's a simple and highly effective tool to solve SAP and EPC disparity across the building.

This table shows how modular house builder TopHat have specified the exact kWp to each flat to bring them all from a varying EPC C to a level EPC B.

Flat Type	Without SolShare		With SolShare			
	SAP Rating	EPC Band	kWp Allocation	SAP Score Increase	New SAP Rating	New EPC Band
2B4P Top floor	72	C	1.5	9	81	B
2B4P Mid floor	77	C	1	5	82	B
2B4P Ground floor	72	C	1.6	9	81	B
1B2P Top floor	76	C	1	6	82	B
1B2P Mid floor	80	C	0.5	2	82	B
1B2P Ground floor	75	C	1	7	82	B

Benefits to Getting Shared Solar



5-15 Points

increased SAP
and EPC rating



up to 60%

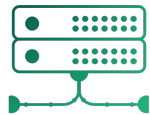
lower energy
bills



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.





“Because the system is giving everybody in the building a share of the energy that's produced for free, it reduces everyone's bills, so the financial saving for the householders is greater than if we just had lots of individual little solar systems on the roof, each feeding one flat each.”

Adam Tilford, Sustainability Manager



The Client

TopHat is a leading property development company specialising in creating high-quality residential properties with a focus on sustainability and energy efficiency. Their mission is to integrate advanced technologies and innovative solutions into their developments to enhance living standards while minimising environmental impact.

What was the problem?

TopHat was faced with a significant challenge in one of their residential developments: achieving an EPC rating of B for every flat within the building. The EPC rating is crucial for demonstrating energy efficiency and sustainability, which are core values for TopHat. Despite employing various energy-saving measures and optimisation strategies, they struggled to reach EPC B ratings for all flats due to limitations in specifying precise energy contributions and the associated costs of additional improvements.

What did we do?

By using SolShare, they could precisely allocate the exact kWp of solar energy to each flat. This precision allowed them to accurately determine and add the necessary SAP points to each flat, achieving EPC B ratings throughout the building in a highly cost-effective manner. The client was very pleased with how SolShare provided a straightforward and affordable solution to reach their EPC B goals.

Outcomes and Insights

TopHat has fully embraced this innovative system, using it to its maximum potential. Before SolShare, there was no practical solution for distributing rooftop solar energy to multiple apartments. The success of this SolShare project has been so significant that TopHat is now planning to deploy this technology across all their future apartment developments.

Get Started

Book an appointment with our experts today - they will provide a free assessment for your project that will demonstrate the SAP uplift for each flat and indicative costs.



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Book a meeting

Or submit a general enquiry on our website.

Get Started