



Case Study

How we helped MKM Developments achieve
a building of net-zero flats

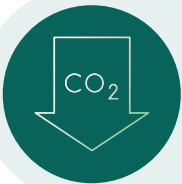
Customer	St Johns Church Hall,
MKM Developments	Friern Barnet Lane,
	London, UK

Impact in Numbers



£540-£660

Yearly bill savings per flat



11

Tonnes of CO₂ saved



15

Tailored SAP point increase

Additional Outcomes

- EPC disparity solved by increasing SAP points.
- Improved carbon savings and reduced running costs of the building.
- Enhanced asset ratings, and future-proofed the property against rising energy prices.



Project details



20
Flats



2
SolShare units



50
Solar capacity (kWp)



2.5
kWp per flat



PV Diverter and Sunamp heat battery
Paired with complimentary technologies



£2,900
Turnkey price per flat



2022
Completed



London, UK



"As a developer, we are proud to be bringing such a progressive scheme to the market. We have proactively worked with the various elements to bring the best technology to the scheme, and we're thrilled with the results."

Kelly Lemon, MKM Director



The Client

MKM Developments, a forward-thinking real estate developer committed to delivering sustainable and energy-efficient housing.

What was the problem?

MKM Developments planned a 20-flat residential building with net-zero energy standards, requiring solar power and energy storage for each flat. However, space limitations made installing individual inverters for each flat impractical.

What did we do?

MKM Developments solved their space issue by using SolShare technology, which connected all 20 flats to a shared solar system with just two inverters and two SolShare units. Excess energy was stored in Sunamp heat batteries within each flat. All equipment was compactly housed in a small ground-floor plant room, maximising space and meeting sustainability goals.

Outcomes and Insights

The implementation of the SolShare solution not only addressed the space constraints but also enhanced the building's energy performance. The strategic use of shared solar resources improved the SAP scores for each flat, contributing to their certified net-zero status, maximising the overall ROI.

Benefits to Getting Shared Solar



5-15 Points

increased SAP
and EPC rating



up to 60%

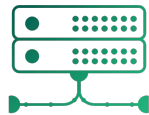
lower energy
bills



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

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

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.



Peace Moremong

Business Development Manager - UK

peace.moremong@allumeenergy.com

Book a meeting

Or submit a general enquiry on our website.

Get Started