Allume Energy

Meet the SolShare

The Solshare is the world's only technology for connecting multiple flats to a single rooftop solar system. It offers a simple and affordable method to improve the SAP score and EPC ratings of every flat in the building while reducing the electricity bills for the households living within them.

SolShare benefits

- Qualifies for SAP 10 PV credits, typically gaining 5 – 15 points per flat.
- Increases every flat's EPC rating.
- Reduces every household's electricity bill.
- Fault and performance monitoring - no recurring maintenance required.
- Installation time of less than 2 weeks.
- Recognised as 'Innovation measure of substantial uplift' by Ofgem for ECO4.

Business Development Consultant

Peace Moremong

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Below you can see a typical SolShare installation.

Each SolShare is paired with an inverter, in this case, a 20 kW Fronius Symo.
With 15 outputs per SolShare, this installation can connect to up to 30 flats.

SolShare Case Study

NEW BUILD

Allume

ADDRESS

Kitchener Barracks, Chatham, Kent

NUMBER OF FLATS

90

SAP RATING AND EPC BAND ANALYSIS FOR AN APARTMENT BUILDING

Communal apportioned solar energy vs. SolShare solution connecting PV direct to each dwelling

		PV array connected only to the Landlord supply			PV array connected to each flat via the SolShare			
		Solar connected as 'One Block, Multiple Dwellings			Direct Connection to One Dwelling			
		Annual Energy Apportioned**			PV System Capacity***			
Flat Type	**Count**	**kWh per year**	**SAP Rating**	**EPC Band**	**kWp**	**SAP Rating**	**EPC Band**	**SAP Score Increase**
2B4P Top floor (SW corner)	1	1200	72	C	1.5	81	B	9
2B4P Top floor (SE corner)	1	1200	72	C	1.5	81	B	9
2B4P Top floor (NW corner)	1	1200	72	C	1.5	81	B	9
2B4P Top floor (NE corner)	1	1200	72	C	1.5	81	B	9
2B4P Mid floor (SW corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (SE corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (NW corner)	2	825	77	C	1	82	B	5
2B4P Mid floor (NE corner)	2	825	77	C	1	82	B	5
2B4P Ground floor (SW corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (SE corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (NW corner)	1	1205	72	C	1.6	81	B	9
2B4P Ground floor (NE corner)	1	1205	72	C	1.6	81	B	9
1B2P Top floor (E/W)	4	775	76	C	1	82	B	6
1B2P Mid floor (E/W)	8	500	80	C	0.5	82	B	2
1B2P Ground floor (E/W)	4	800	75	C	1	82	B	7
		14995	kWh / Year Total Requirement*		32.4	kWp Overall Array Required		

* Approx. yield from 33kWp system as calculated using SAP methodology (pessimistic)

** kWh per year required for ADLIA 2013 block compliance

*** kwp required per type to boost EPC rating to 'B'. Also sufficent to achieve ALDIA 2013 block compliance

The Brief - Top Hat

The client approached us with the challenge of reaching EPC B for every flat in their development. They had exhausted all reasonable measures when they discovered the SolShare.

With the SolShare they were able to specify the precise kWp associated to each flat. This fidelity enabled them to add exactly the right number of SAP points to each flat to achieve the goal of EPC Bs throughout the building, for the lowest possible cost.

The client was extremely happy to be able to achieve the EPC B in a simple, low cost method.

SYSTEM DETAILS	KWP PER FLAT	PRICE PER FLAT
6 x SolShares connected to 90 flats	0.5 - 1.6 kWp per flat	£750

IMPACT IN NUMBERS

2-9
SAP Points

7
tonnes of CO2 avoided

43 - 56%
grid energy reduction

CONTACT US FOR A QUOTE: ALLUMEENERGY.COM/UK/CONTACT-US/

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