

Arup ®

# BP Solar Showcase

## Birmingham & Baglan Bay (UK)

### Building Details

#### CONTACTS

##### Owner

BP Solar

[www.bpsolar.de](http://www.bpsolar.de)

##### Architect

Arup + Ove Arup & Partners

[www.arupassociates.com](http://www.arupassociates.com)

##### Energy Consultant

Arup + Ove Arup & Partners

[www.arupassociates.com](http://www.arupassociates.com)

##### PV Installer

Wallach Énergies

[www.wallach-energies.fr](http://www.wallach-energies.fr)

#### BUILDING

##### Completion year

1998 Building

1998 PV Plant

##### Category

New

Renovation

Enlargement

Other

##### Typology

Residential

Administration

Industrial

Sport

Agricultural

Urban

Historical

Showcase

#### Description

The BP Solar Showcase was built in six weeks to coincide with the G8 Summit in Birmingham in May 1998. It incorporated BP's latest photovoltaic technology. The form of the building is driven by the south-facing solar roof/wall, which is curved and angled to optimise the absorption of solar energy beside to providing shading to the east and west vertical walls. The building has now been re-located to Baglan Bay, South Wales, as a permanent visitor centre for an energy park.



## BiPV Details

### LOCATION OF PLANT

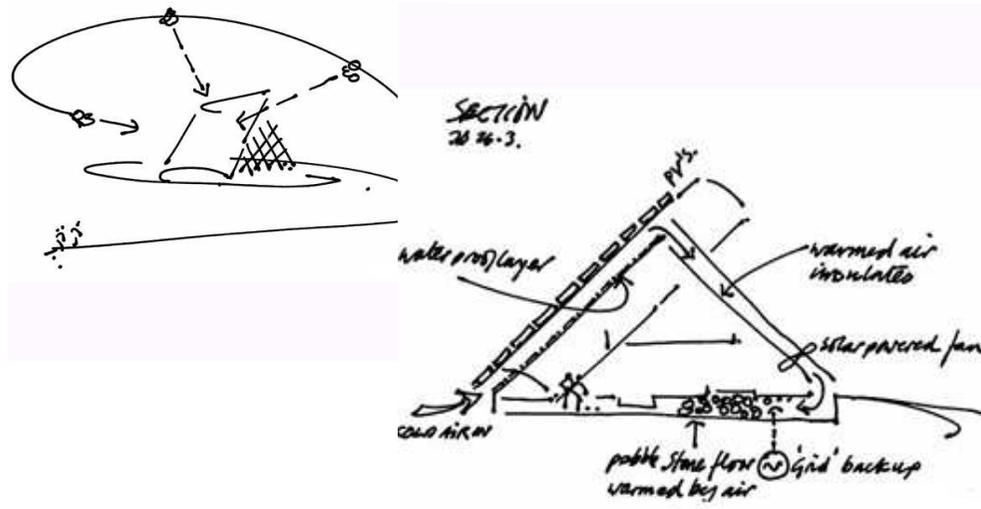
<b>Roof</b>	Flat roof	Sloped	Curved
<b>Façade</b>	Cladding	Balcony	Greenhouse <b>Curved</b>
<b>Glass</b>	Façade	Roof	Solar shading Canopy
<b>Orientation</b>	<b>South</b>	West	East North

### ARCHITECTURAL EVALUATION

<b>Color</b>	dark blue, white background
<b>Transparency</b>	opaque
<b>Frame</b>	aluminium frame
<b>Acknowledgments</b>	UK solar award 1999

### SPECIFICATION

<b>Photovoltaic</b>	<b>Monocrystalline</b>	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	BP Solarex	
	<b>Module</b>	BP Solar	
<b>Power</b>	<b>kWp</b>	15	
<b>Size</b>	<b>m<sup>2</sup></b>	N/A	
<b>Energy production</b>	<b>kWh/year</b>	N/A	



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