



OpTIC Technium

St. Asaph (GB)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Welsh Development Agency	http://wales.gov.uk		
Architect	Percy Thomas Architects	www.ptp-architects.com.hk		
Energy Consultant	PV Systems	www.pvsystems.com		
PV Installer	PV Systems	www.pvsystems.com		
BUILDING				
Completion year	Building	2008	PV Plant	
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Description

OpTIC Centre has been built by Welsh Development Agency for providing a R&D structure at opto-electronic industry. The building has the largest Pv plant using CIS technology and it is the first application in UK. PV has been integral part of the design concept since early stages and it is the characterizing factor of the building skin. The whole facade is clad with PV panels 70° horizontally sloped. Facade becomes roof also creating a gallery below.



BiPV Details

LOCATION OF PLANT

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

ARCHITECTURAL EVALUATION

Color	anthracite
Transparency	opaque
Frame	EETS Ltd engineered mounting system
Acknowledgements	Eurosolar 2004 RICS Building of the Year Award

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	copper indium diselenide (CIS)	
	Module	2400 CIS Shell Panels	
Power	kWp	84	
Size	m ²	1000	
Energy production	kWh/year	67 635	