



Pompeu Fabra Library Mataro' (E)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Municipality of Matarò	www.mataro.org		
Architect	Miquel Brullet I Tenas	-		
Energy Consultant	TFM SA (Teulades I Façanes Multi-functionals)	-		
PV Installer	TFM SA	-		
BUILDING				
Completion year	1997 Building	1997 PV Plant		
Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renovation	<input type="checkbox"/> Enlargement	<input type="checkbox"/> Other
Typology	<input type="checkbox"/> Residential	<input checked="" type="checkbox"/> Administration	<input type="checkbox"/> Industrial	<input type="checkbox"/> Sport
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Urban	<input type="checkbox"/> Historical	<input type="checkbox"/> Other

Description

The experimental facade of Pompeu Fabra Library in Mataro' was designed with the double aim of producing solar and thermal energy beside to ensuring an optimal indoor comfort. The PV is integrated within a semi-transparent curtain-wall system with polycrystalline cells creating an exterior visibility. The optimal equilibrium between energy, comfort, natural lighting, aesthetical appearance and economical resources was applied in the conception of the building.

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BiPV Details

LOCATION OF PLANT

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

ARCHITECTURAL EVALUATION

Color	Crystal blue
Transparency	partially (14%)
Frame	Unitized glazed façade
Aknowledgments	N/A

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	N/A	
	Module	ASE (Hybrid PVT)	
Power	kWp	20	
Size	m²	225	
Energy production	kWh/year	15 000	

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