



CSPE ®

# Meyer Hospital Florence (IT)

## Building Details

### CONTACTS

	Name	Website (or e-mail)
<b>Owner</b>	Meyer Hospital	<a href="http://www.meyer.it">www.meyer.it</a>
<b>Architect</b>	CSPE (Study centre for building design)	<a href="http://www.cspe.net">www.cspe.net</a>
<b>Energy Consultant</b>	MSA Associats	-
<b>PV Installer</b>	Solon S.p.a (ex Se Project)	<a href="http://www.solon.it">www.solon.it</a>

### BUILDING

<b>Completion year</b>	1930 Building	2007 PV Plant		
<b>Category</b>	New	Renovation	Enlargement	Other
<b>Typology</b>	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Hospital

### Description

The enlargement project of the new pediatric center of Florence is characterized by the new greenhouse volume that is conceived as a 'mimetic solution' revealing great sensitivity towards the surrounding natural and built environment: a historical park, an ancient villa, a hill of high landscape value. High technology and environmental compatibility establish a synergies within the design vision that introduce an architectural dialog between natural external image and photovoltaic pattern of the glazed modules of curved surface (either PV than normal printed glass on shaded areas) .



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## BiPV Details

### LOCATION OF PLANT

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

### ARCHITECTURAL EVALUATION

<b>Color</b>	crystal blue
<b>Transparency</b>	partially
<b>Frame</b>	Frameless glass
<b>Acknowledgments</b>	design & health 2009 (Health Project Under 40,000 m <sup>2</sup> )

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	mc-Si (14'500)	
	<b>Module</b>	custom made (by Solon S.p.a)	
<b>Power</b>	<b>kWp</b>	33	
<b>Size</b>	<b>m<sup>2</sup></b>	350	
<b>Energy production</b>	<b>kWh/year</b>	35000	