



## SUPSI

Swiss BiPV Competence Centre

Source: EnergyGlass



# Oversea Building Chioggia, Venezia (I)

## Building Details

### CONTACTS

	Name	Website (or e-mail)
<b>Owner</b>	Ghirardon Group	<a href="http://www.ghirardongroup.com">www.ghirardongroup.com</a>
<b>Architect</b>	Simone Micheli Architetto	<a href="http://www.simonemicheli.com">www.simonemicheli.com</a>
<b>Energy Consultant</b>	EnergyGlass	<a href="http://www.energyglass.eu">www.energyglass.eu</a>
<b>PV Installer</b>	EnergyGlass	<a href="http://www.energyglass.eu">www.energyglass.eu</a>

### BUILDING

<b>Completion year</b>	2011	Building	2011	Plant
<b>Category</b>	New	Renovation	Enlargement	Other
<b>Typology</b>	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

**Building Energy Performance** kWh/m<sup>2</sup>y -

### Description

The residential building called Oversea is a demolition and reconstruction intervention including a partial enlargement of the existing flat block. The building is equipped with different technologies for energy saving and built according to "A" energy class. The building is equipped with a geothermal system and heat pump; radiant heating and cooling systems in floors, walls and ceiling; system of air exchange; solar thermal panels on the roof. The 6-storey building, stands out from the surrounding for its architectural composition alternating solid volumes and empty spaces but mostly due to the southern façade. It is distinguished from the other thanks to the PV system that creates a frame onto the building façade through the use of rounded and printed (translucent) modules. The laminated PV glasses are connected to the façade with a punctual aluminium fixing system.

### Aknowledgments



Source: EnergyGlass

## BiPV Details

### LOCATION OF PLANT

<b>Roof</b>	Flat roof	Sloped	Curved	Greenhouse
<b>Façade</b>	Cladding	Balcony	Greenhouse	Curved
<b>Glass</b>	Façade	Roof	Solar shading	Canopy
<b>Orientation</b>	South	West	East	North
<b>BiPV System</b>	Semi-transparent facade cladding			

### ARCHITECTURAL EVALUATION

<b>Color</b>	Black
<b>Transparency</b>	Semi-transparent
<b>Frame</b>	Frameless

### COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
<b>DESCRIPTION</b>	Special cut of modules;		

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>	-	
	<b>Module</b>	Laminated safety PV structural glass with serigraphs - EnergyGlass	
<b>Power</b>	<b>kWp</b>	20	
<b>Size</b>	<b>m<sup>2</sup></b>	-	
<b>Energy production</b>	<b>kWh/year</b>	15000	
<b>Cost</b>	<b>€/m<sup>2</sup></b>	-	