



CHP Plant Gelsia

Seregno (I)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Gelsia SPA	www.gelsia.it
Architect	-	-
Energy Consultant	-	-
PV Installer	Solar Retrofit	www.solar-retrofit.ch

BUILDING

Completion year	2004 Building	2016 PV Plant	
Category	New	Renovation	Enlargement
Typology	Residential	Administration	Industrial
	Agricultural	Urban	Historical
Building Energy Performance	kWh/m ² y	-	

Description

Gelsia – a company involved in the generation of electricity, gas and heat, as well as environmental services – is the owner of a CHP plant located in the city of Seregno. In order to demonstrate the importance of mixing different renewable energy systems and improving the aesthetic of the buildings, the Solar Retrofit system has been integrated in the building facade on the south façade and on the southern and eastern sides of the 20 meters high chimney support tower. The use of the Solar Retrofit system improves the energy performances of the PV system thanks to the rear ventilation, the use of reflector materials and the optimal inclinations.

Acknowledgments

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BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved	
Façade	Cladding	Balcony	Double skin	Curved
Glass	Façade	Roof	Solar shading	Canopy
Orientation	South	West	East	North
BiPV System	Other architectural elements			

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Opaque
Frame	Aluminium frame

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	Polycrystalline	
	Module	PV Renesola 250 W	
Power	kWp	5.5 (façade) + 10.5 (tower)	
Size	m²	20.4 m ² (façade) + 57.6m ² (tower)	
Energy production	kWh/year	-	
Cost	€/m²	-	