



SUPSI

Swiss BiPV Competence Centre



Source: EnergyGlass

Îlot Rainier III

Principauté de Monaco, Montecarlo

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Service des Travaux Pulics Monégasques	www.gouv.mc
Architect	-	-
Energy Consultant	EnergyGlass	www.energyglass.eu
PV Installer	EnergyGlass	www.energyglass.eu

BUILDING

Completion year	2013 Building	2013 Plant		
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Building Energy Performance kWh/m²y -

Description

This is a residential complex, with 4 buildings, 240 houses and 650 car parks, located in Principauté de Monaco. The building is designed and built with the aim to achieve the high environmental quality (HQE), using green material and reducing the use of water, energy and CO₂ emissions.

The 11-storey building is characterized by curtain walls in the first two levels, and by long balconies which mark all the other 9 residential levels. A PV plant is installed on the flat roof with through an overlapped shading system, creating a particular and elegant PV brises soleil with the function to shade the balconies of the penthouses.

Aknowledgments



Source: EnergyGlass

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
BiPV System	On-Roof Overlapped system (BAPV);			

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Semi-transparent
Frame	White metal frame

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	PV modules in safety and security glass	
Power	kWp	-	
Size	m²	-	
Energy production	kWh/year	-	
Cost	€/m²	-	