

## SUPSI

Swiss BiPV Competence Centre



Source: ISSOL

# Bénêteau Group headquarter

Givrand (F)

## Building Details

CONTACTS	Name	Website (or e-mail)
Owner	GRUPE BÉNÉTEAU	<a href="http://www.beneteau-group.com">www.beneteau-group.com</a>
Architect	Periot Architecture Durable	<a href="http://www.padarchitectes.com">www.padarchitectes.com</a>
Energy Consultant	ISSOL	<a href="http://www.issol.eu">www.issol.eu</a>
PV Installer	Marchegay Technologies	<a href="http://www.marchegay.com">www.marchegay.com</a>

## BUILDING

Completion year	2012	Building	2012	Plant
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
Building Energy Performance	kWh/m <sup>2</sup> y		-	

## Description

The headquarter of the nautical company Bénêteau is located on the French Atlantic coast in Givrand. The two rectangular volumes are linked through a walkway defining a Zen garden. The main volume, extended southwards, is realized with a customized double skin. Its glazed façade has particular shading device panels, made by white acrylic stone, 50 % perforated and installed with invisible fixings. The texture of panels redesigns the company logo.

The back side of main building, overlooking the internal garden, is covered with a solar canopy emerging among the flat roofs. It is a 64-meter continuous canopy realized with double glazed semitransparent solar panels installed on a steel structure.

## Aknowledgments



Source: Marchegay Technologies



Source: ISSOL

## 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
<b>BiPV System</b>	Transparent glazed canopy			

### ARCHITECTURAL EVALUATION

<b>Color</b>	Black
<b>Transparency</b>	opaque
<b>Frame</b>	Stell structure

### COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

### SPECIFICATION

<b>Photovoltaic</b>	Monocrystalline	Multicrystalline	Thin Film
<b>PV Module</b>	<b>Cells</b>		
	<b>Module</b>	laminated safety glass PV modules	
<b>Power</b>	<b>kWp</b>	36	
<b>Size</b>	<b>m<sup>2</sup></b>	64 m lenght	
<b>Energy production</b>	<b>kWh/year</b>	-	
<b>Cost</b>	<b>€/m<sup>2</sup></b>	-	