

Source: © CSEM

CSEM Facade

Neuchâtel (CH)

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	CSEM AS	www.csem.ch
Architect	René Schmid Architekten AG	www.gd-archi.ch
Facade Engineering and Project Management	CREnergie	www.crenergie.ch
PV Installer	Viteos SA	www.viteos.ch

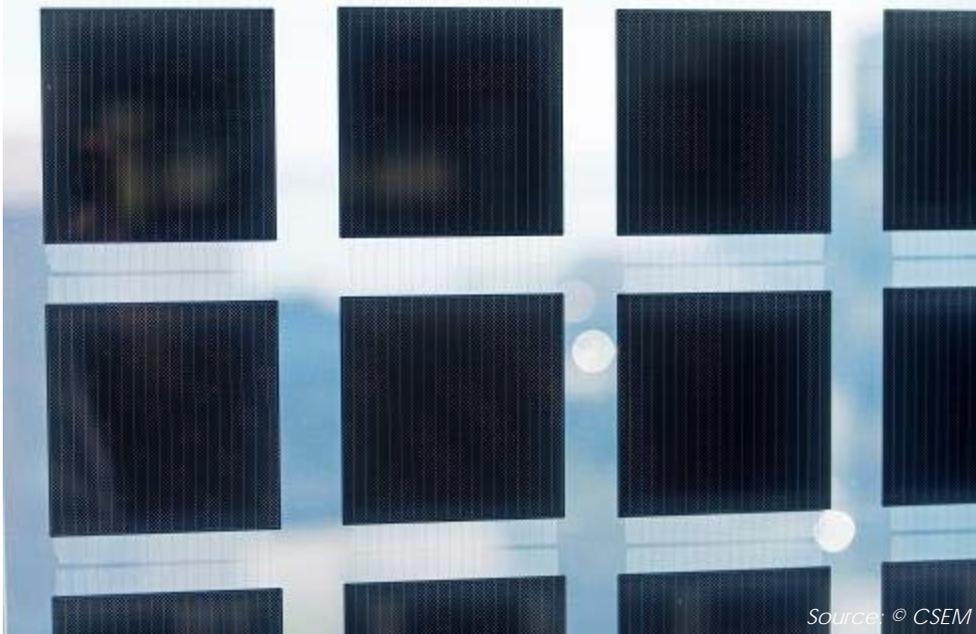
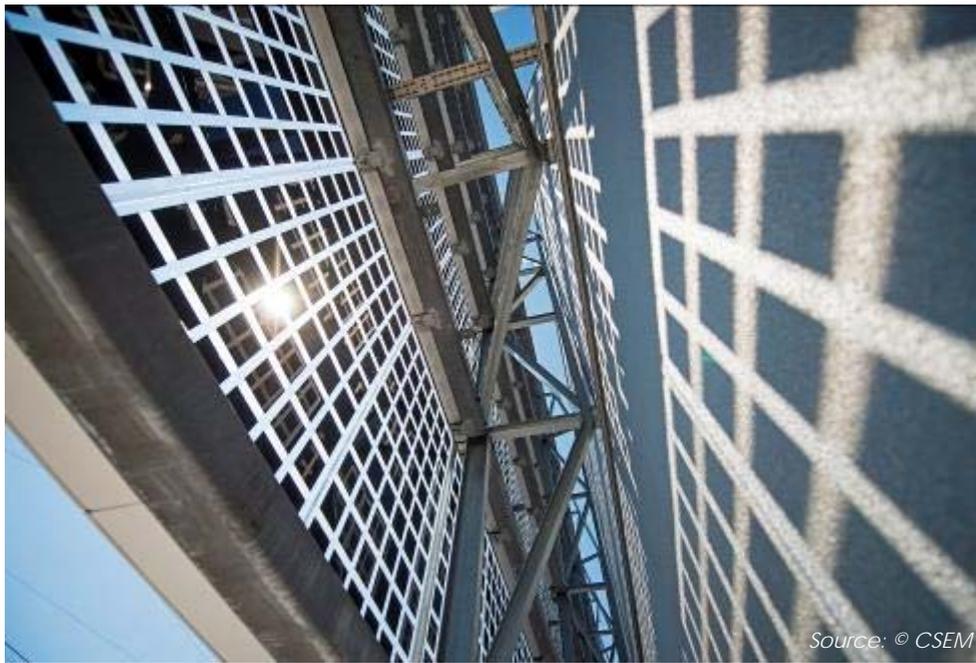
BUILDING

Completion year	2015 PV Plant			
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other
Building Energy Performance	kWh/m ² y		-	

Description

The southern façade of the CSEM building has been realized with photovoltaic panels. It was born from a partnership between Viteos, the City of Neuchâtel and CSEM. The facade results fascinating for its high-design appearance and the combination of innovative technologies. Robust, efficient and aesthetic, the facade represents a milestone in the architectural integration of photovoltaic panels in Neuchâtel and opens the way for a modern and attractive solar architecture.

Aknowledgments



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	Double skin facade (PV modules)			

ARCHITECTURAL EVALUATION

Color	Black cells
Transparency	Semi-transparent
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION	210 semi-transparent modules (dimension: 2.34 x 1.2 m)		

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	HJT with SmartWire Connection Technology	
	Module	Meyer Burger	
Power	kWp	70 (S) + 10-20% more than the back due to the reflection of the wall	
Size	m ²	633	
Energy production	MWh/year	50-60	
Cost	€/m ²	-	