

Photo: HBF AG

Wohnhaus Solaris Zürich (CH)

Building Details

CONTACTS

	Name	Website
Owner	hbf futur AG	www.hbf.ch
Architect	Huggenbergerfries Architekten	www.hbf.ch
Energy Consultant	Sundesign Photovoltaic Engineering	www.sundesign.ch
PV Installer	Suntechnics Fabrisolar Scherrer Metec AG	www.suntechnics.ch www.scherrer.biz

BUILDING

Completion year	2017			
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

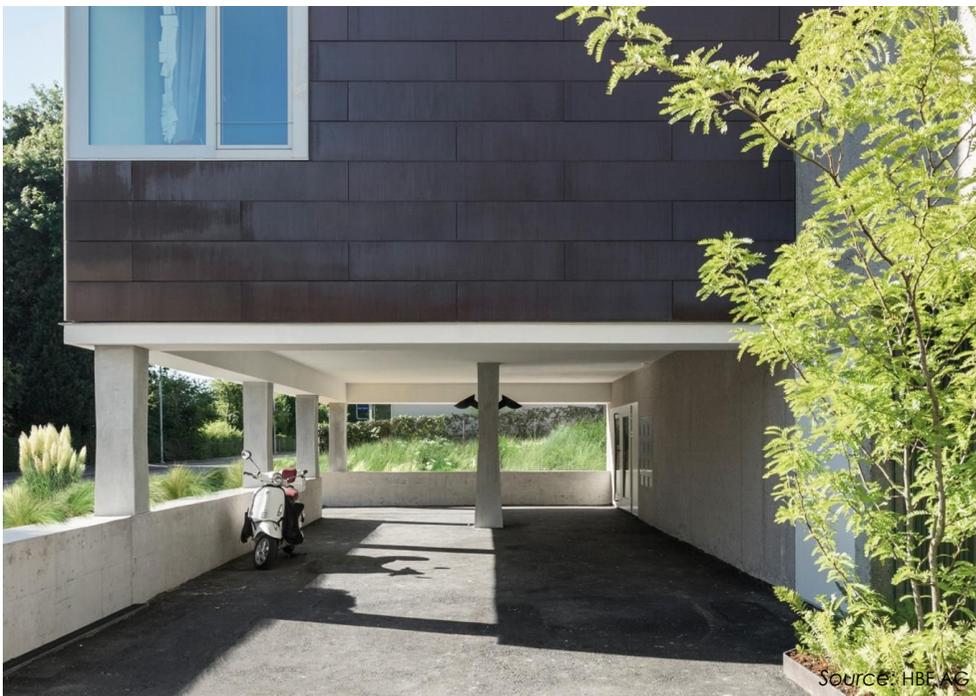
Building Energy Performance n.a.

Description

This multi-family building represents a new construction in one of the residential districts in Zürich. The whole building envelope has an homogenous and elegant red/brown appearance thanks to glass elements used as cladding and tiles. But you "should not judge a book *only* by its cover" because this envelope is also an energy producer. Indeed, the southern and western facade and the roof are made of glass elements where photovoltaic cells are invisibly mounted in a composite system with a structured glass. Such elements have been specifically developed for this project and they are capable to provide an amount of electricity that is twice the consumption of the building.



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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	BiPV modules as claddings of the ventilated facade and BiPV modules as tiles of the sloped roof,			

ARCHITECTURAL EVALUATION

Color	Red/brown
Transparency	Opaque
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION	Digital ceramic print on glass/glass BiPV modules with various dimensions		

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	Ertex Solartechnik GmbH	
Power	kWp	74	
Size	m²	800	
Energy production	kWh/year	45'000	
Cost	CHF/m²	n.a.	