



KKLB Fassade

Landessender, Canton Lucerne (CH)

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	KKLB - Kunde	www.kklb.ch
Architect	Kobler	-
Energy Consultant	BE NETZ	www.benetz.ch
PV Installer	BE NETZ	www.benetz.ch

BUILDING

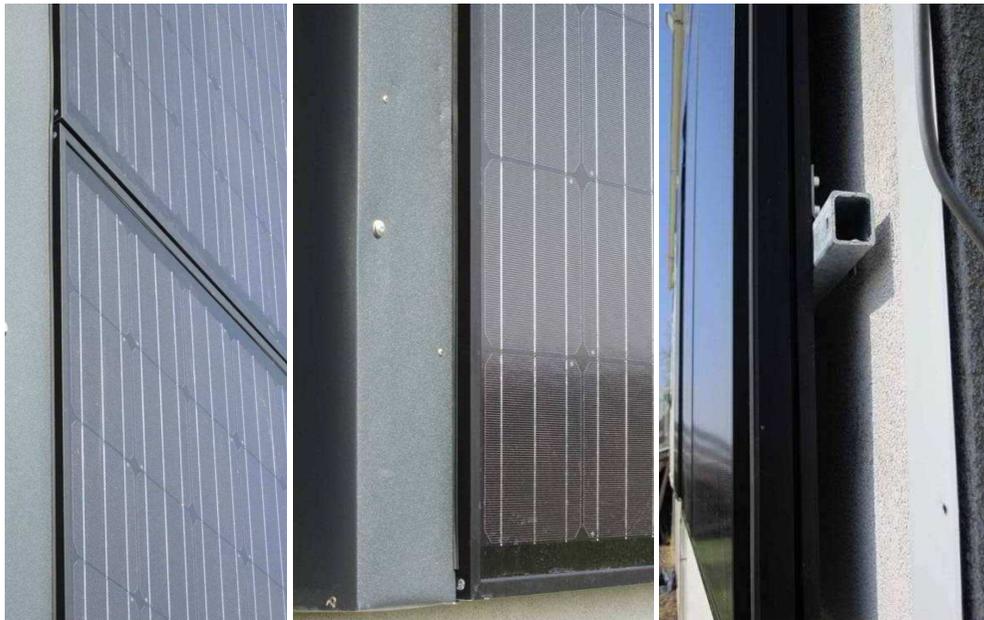
Completion year	1931 Building	2014 Plant	
Category	New	Renovation	Enlargement Other
Typology	Residential	Administration	Industrial Sport
	Agricultural	Urban	Historical Other

Building Energy Performance kWh/m²y -

Description

This intervention concerns a re-cladding of a part of façade on an the existing building of the KKLB headquarter, in Landerssender, Canton Lucerne. This is conceived as a demonstrative pilot plant, also supported by BFE. On the south-west part of façade 30 PV modules are installed, anchored by metal profiles and fixed on insulated plates. The all-black panels have a black metal framing system, that allow a proper ventilation, so also creating an homogeneous solar surface.

Acknowledgments -



SOURCE: www.woiok.ch ; www.kiotosolar.ch

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	Facade opaque cladding		

ARCHITECTURAL EVALUATION

Color	Black
Transparency	Opaque
Frame	Black

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION			

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	KIOTO - WOIOK 250Wp	
Power	kWp	7.5	
Size	m²	48	
Energy production	kWh/year	5308	
Cost	€/m²	520	