



SUPSI

Swiss BiPV Competence Centre



Swiss PV showcase

Kloten Airport Kloten (ZH-CH)

Building Details

CONTACTS	Name	Website (or e-mail)		
Owner	Unique Flughafen Zürich AG & Arge Zayetta	www.unique.ch		
Architect	ARGE Zayetta	-		
Energy Consultant	ARGE Zayetta	-		
PV Installer	ARGE Zayetta	-		
BUILDING				
Completion year	2002 Building	2002 PV Plant		
Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renovation	<input type="checkbox"/> Enlargement	<input type="checkbox"/> Other
Typology	<input type="checkbox"/> Residential	<input type="checkbox"/> Administration	<input type="checkbox"/> Industrial	<input type="checkbox"/> Sport
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Urban	<input type="checkbox"/> Historical	<input checked="" type="checkbox"/> Airport

Description

Zurich-Kloten International Airport symbolizes a modern, comfortable and green airport. It is located to a nature conservation area. PV semitransparent frameless laminates are integrated as shading devices onto steel structures covering external areas.



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

ARCHITECTURAL EVALUATION

Color	dark blue (with a white translucent background)
Transparency	partially
Frame	Frameless laminates
Aknowledgments	Swiss prize "hommage solaire" 2002 (best integrated plants) Swiss solar prize 2002 (Category E)

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	Sc-Si	
	Module	Custom made PV laminates (Isofoton)	
Power	kWp	283	
Size	m²	4'239 (modules); 2'173 (PV cells); 975	
Energy production	kWh/year	264 000	