



Kriegerhornbahn Lech(A)

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	Skilifte Lech Ing. Bildstein GmbH	www.skialberg.at
Architect	Architekturbüro Riemelmoser	www.riemelmoser.at
Energy Consultant	Solarnova	www.solarnova.de
PV Installer	Fischerwerke Artur Fischer GmbH & Co.	www.fischerwerke.de

BUILDING

Completion year	2004 Building	2004 PV Plant		
Category	<input checked="" type="radio"/> New	<input type="radio"/> Renovation	<input type="radio"/> Enlargement	<input type="radio"/> Other
Typology	<input type="radio"/> Residential	<input type="radio"/> Administration	<input type="radio"/> Industrial	<input checked="" type="radio"/> Sport
	<input type="radio"/> Agricultural	<input type="radio"/> Urban	<input type="radio"/> Historical	<input type="radio"/> Other

Description

Kriegerhornbahn photovoltaic plant is located at 2,137 m above sea level in Lech ski area (Arlberg) in Austria. It consists of 12,000 solar cells covering 150 m² area. PV cells are integrated into the completely glazed envelope within semi-transparent solar panes. Glass panes are mounted through a point fixing system of "spyder" type in turn bolted to rear steel transoms. Peak power is 9,5 kWp and estimated electricity production is 900 kWh/kWp.



Architekturbüro Riemelmoser



Fischer



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
Transparency	10%
Frame	glass fitting system: Fischer Zykon Panel anchor FZP-G for glass framework connection: Fischer StarSolution

Aknowledgments

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	12'000 Sunways Power Cells (product not available anymore)	
	Module	glass/EVA/Power Cell/tempered glass SOL 109/147/128/96 PH	
Power	kWp	9.5	
Size	m²	150	
Energy production	kWh/year	8'550	