

Delta Zero Lugano (CH)

Building Details

CONTACTS

Owner

Private

Architect

De Angelis Mazza Associati

www.deltazero.net

Energy Consultant

PV Installer

Five Star Energy PTY Ltd

www.fivestarenergy.com.au

BUILDING

Completion year

2009 Building

2009 PV Plant

Category

New

Renovation

Enlargement

Other

Typology

Residential

Administration

Industrial

Sport

Agricultural

Urban

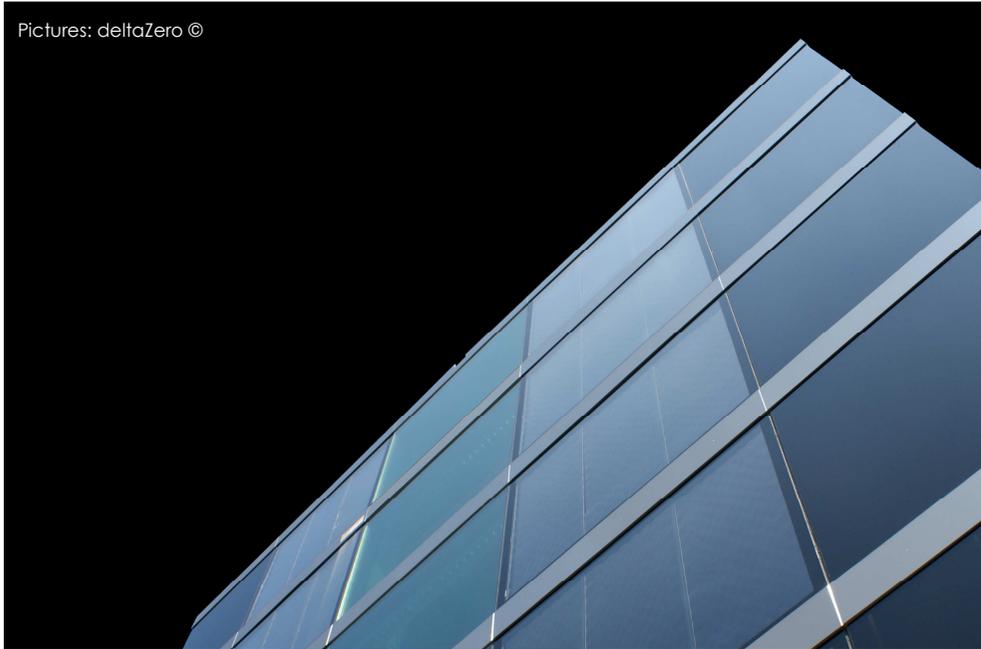
Historical

Other

Description

The deltaZERO building has been conceived and designed ensuring that the energy needed for the comfort of the occupiers is covered in a self-sufficient way. The building, characterized by a completely glazed envelope and by efficient plants, uses solar energy thanks to the presence of photovoltaic modules and high-performance solar thermal panels both onto the roof and inside the south glasswindows. The system has been designed so that the yearly consumption for heating and cooling does not exceed the energy produced. The limited energy consumption (merely 20 kWh/m² yearly) is completely covered from solar energy.

Pictures: deltaZero ©



BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved
Façade	Cladding	Balcony	Greenhouse
Glass	Façade	Roof	Solar shading Canopy
Orientation	South	West	East North

ARCHITECTURAL EVALUATION

Color	Black cells on white background
Transparency	opaque
Frame	Framed metal structure fixed to the roof and clamps

Aknowledgements

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	Monocrystalline silicon	
	Module	Standard panel	
Power	kWp	20,6	
Size	m²	161	
Energy production	kWh/year	28 000	