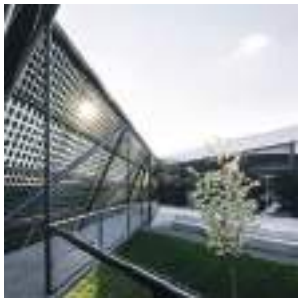
ertex solar

Energy Meets Architecture

# INSPIRATION BOOK
# INSPIRATIONSBUCH

# ACTIVE BUILDING SKINS, NEW ARCHITECTURAL OPPORTUNITIES

Today's actions are tomorrow's results

# ACTIVE BUILDING SKINS, NEUE ARCHITEKTONISCHE CHANCEN

Die Maßnahmen von heute sind
die Ergebnisse von morgen

## FOREWORD

ertex solar was founded with the conviction that the building, in particular its envelope, is at the forefront of energy transition and of the evolutions in our way of living and working.

We embed state-of-the-art technologies in our solutions, we give new functionalities to the façade, and the building envelope in general, transforming any surface into an energy production hub to contribute to zero energy building objectives. The building envelope becomes active.

We work with no compromise on æsthetics to transform these active solutions into new opportunities in architectural design, driven by a permanent quest for quality, efficiency and reliability.

Our multi-disciplined teams offer architects, developers, general contractors, and engineering teams a single point of contact, mastering all technical skills required for the project. Interfaces are simplified for optimized project management, from the first sketch through to completion. We are convinced that only global approaches create value.

We are honored to present this collection of projects that reflect our capabilities, the imagination of our clients and their trust as business partners. Those projects illustrate a field of possibilities that is only waiting to open up even more to create the buildings and infrastructures of tomorrow.

## VORWORT

ertex solar wurde mit der Überzeugung gegründet, dass das Gebäude, insbesondere seine Hülle, an erster Stelle der Energiewende und der Entwicklungen in unserer Lebens- und Arbeitsweise steht.

Wir integrieren modernste Technologien in unsere Lösungen, geben der Gebäudehülle neue Funktionalitäten und verwandeln jede Oberfläche in einen Energielieferanten, um zu Zero-Energy-Building-Zielen beizutragen. Die Gebäudehülle wird aktiv.

Wir arbeiten kompromisslos an der Ästhetik, um diese aktiven Lösungen in neue architektonische Designmöglichkeiten zu verwandeln, angetrieben von der ständigen Suche nach Qualität, Effizienz und Zuverlässigkeit.

Unsere multidisziplinären Teams bieten Architekten, Bauherren, Generalunternehmern und Ingenieurbüros einen einzigen Ansprechpartner, der alle für das Projekt erforderlichen technischen Fähigkeiten beherrscht. Die Schnittstellen werden für ein optimiertes Projektmanagement von der ersten Skizze bis zur Fertigstellung vereinfacht. Wir sind überzeugt, dass nur globale Ansätze Wert schaffen.

Wir fühlen uns geehrt, diese Sammlung von Projekten zu präsentieren, die unsere Fähigkeiten, die Phantasie unserer Kunden und deren Vertrauen als Geschäftspartner in uns widerspiegeln. Diese Projekte veranschaulichen ein Feld von Möglichkeiten, das nur darauf wartet, sich noch mehr zu öffnen, um die Gebäude und Infrastrukturen von morgen zu schaffen.

# Table of contents
*Inhaltsverzeichnis*



# 01
# FACADES
*FASSADEN*

Wohnaus Solaris
Zurich - Switzerland
Architect: huggenbergerfries
2300m² of photovoltaic facade and roof (90 kWp)

© Andreas Horsky

New Blauhaus - Wohnhaus Solaris
Mönchengladbach - Germany
Architect: Kadawittfeldarchitektur
350m² of photovoltaic facade (45,3 kWp)

Licht & Luft
Tübingen - Germany
Architect: Wamsler Architekten
55m² of photovoltaic facade (7 kWp)

Aesch - Switzerland
Architect: Mark Röösli
64m² of photovoltaic facade (12 kWp)

© Jan Cremers

Solar Decathlon
Stuttgart - Germany
Architect: Studenten HFT Stuttgart - Jan Cremers
160m² of photovoltaic facade (13 kWp)

+e Kita
Marburg - Germany
Architect: Opus Architekten
445m² of photovoltaic facade (52 kWp)

Résidence Lénine
St Denis - France
250m² of photovoltaic facade (23,5 kWp)

Power Tower Energy
Linz - Austria
Architect: Prof Kaufmann & Partner ZT-Gmbh
600m² of photovoltaic facade (66 kWp)

Opitz Holzbau GmbH
Neuruppin - Germany
28m² of semitransparent photovoltaic facade (2,6 kWp)

Guardian Science & Technology Center
Carlton - Michigan - USA
30m² of photovoltaic facade (5 kWp)

Headoffice V-Zug AG
Zug - Switzerland
Architect : Bétrix & Consolascio
30m² of photovoltaic facade (5 kWp)




V
ZUG

Emmaüs Solidarité
Paris - France
Architect : Emmanuel Saadi
180m² of photovoltaic facade (25 kWp)

The Peak - Abford House
London - United Kingdom
Architect : Sheppard Robson
170m² of photovoltaic facade (45 kWp)

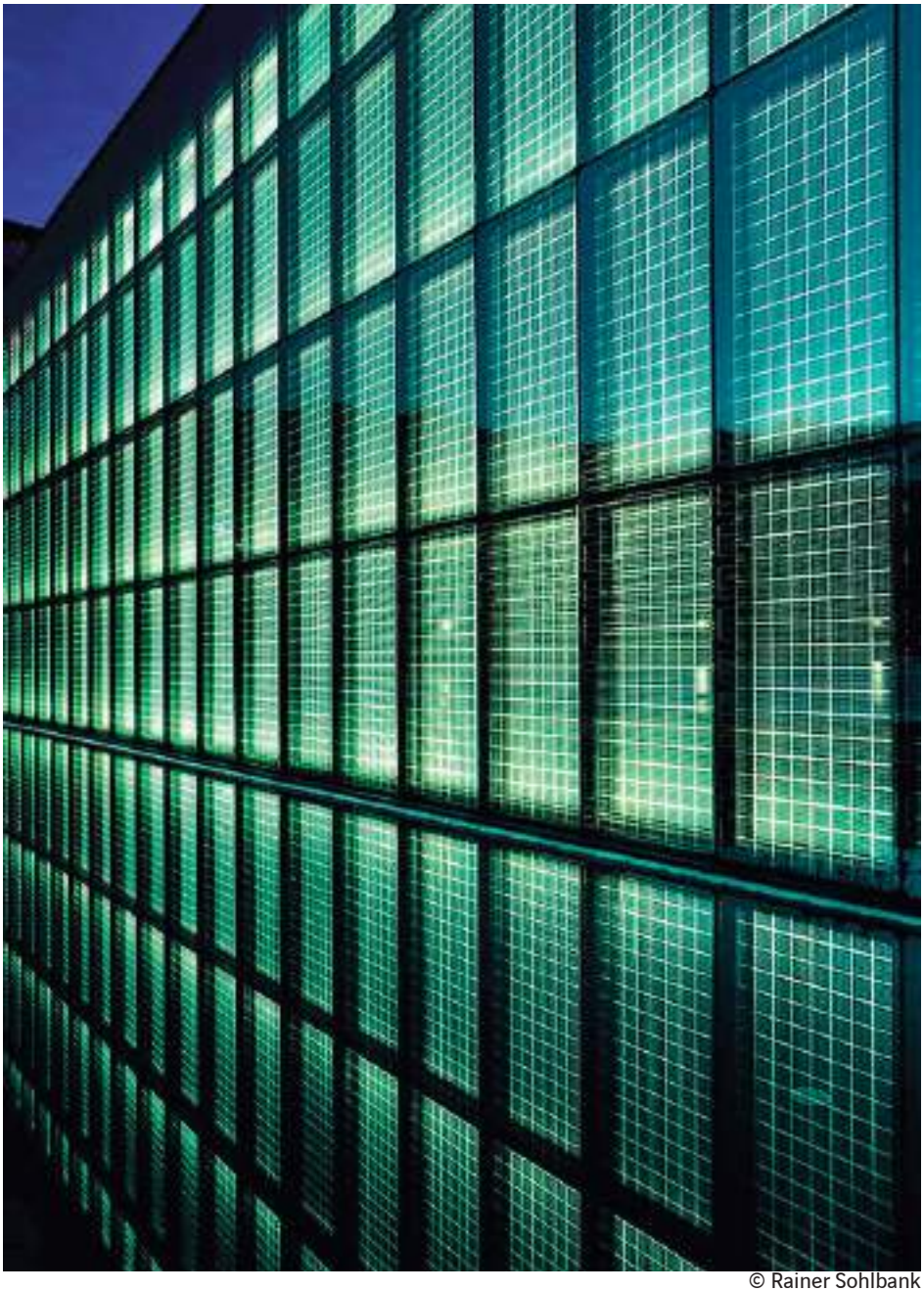
Science Center Welios
Wels - Austria
Architect : archinauten
60m² of photovoltaic facade (9 kWp)

# 02
# CURTAIN WALL
*VORHANGFASSADE*

Eurotherme
Bad Schallerbach - Austria
Architect : Zellinger Gunhold
150m² of photovoltaic curtain wall (15 kWp)

© Rainer Sohlbank

Fondation Pierre Arnaud
Lens - Switzerland
Architect : Jean-Pierre Emery
244m² of photovoltaic curtain wall (20 kWp)



© Rainer Sohlbank

© Christian Lord Otto

Energiewürfel
Constance - Germany
Architect : Arnold Wild
200m² of photovoltaic curtain wall (25 kWp)

© Christian Lord Otto

© Zooey Braun

Nest Dübendorf
Dübendorf - Switzerland
Architect : Werner Sobek
100m² of photovoltaic facade (4 kWp)

Solarzentrum Allgäu
Biessenhofen - Germany
190m² of photovoltaic curtain wall (4 kWp)

© Angelo Luisi Montenegro



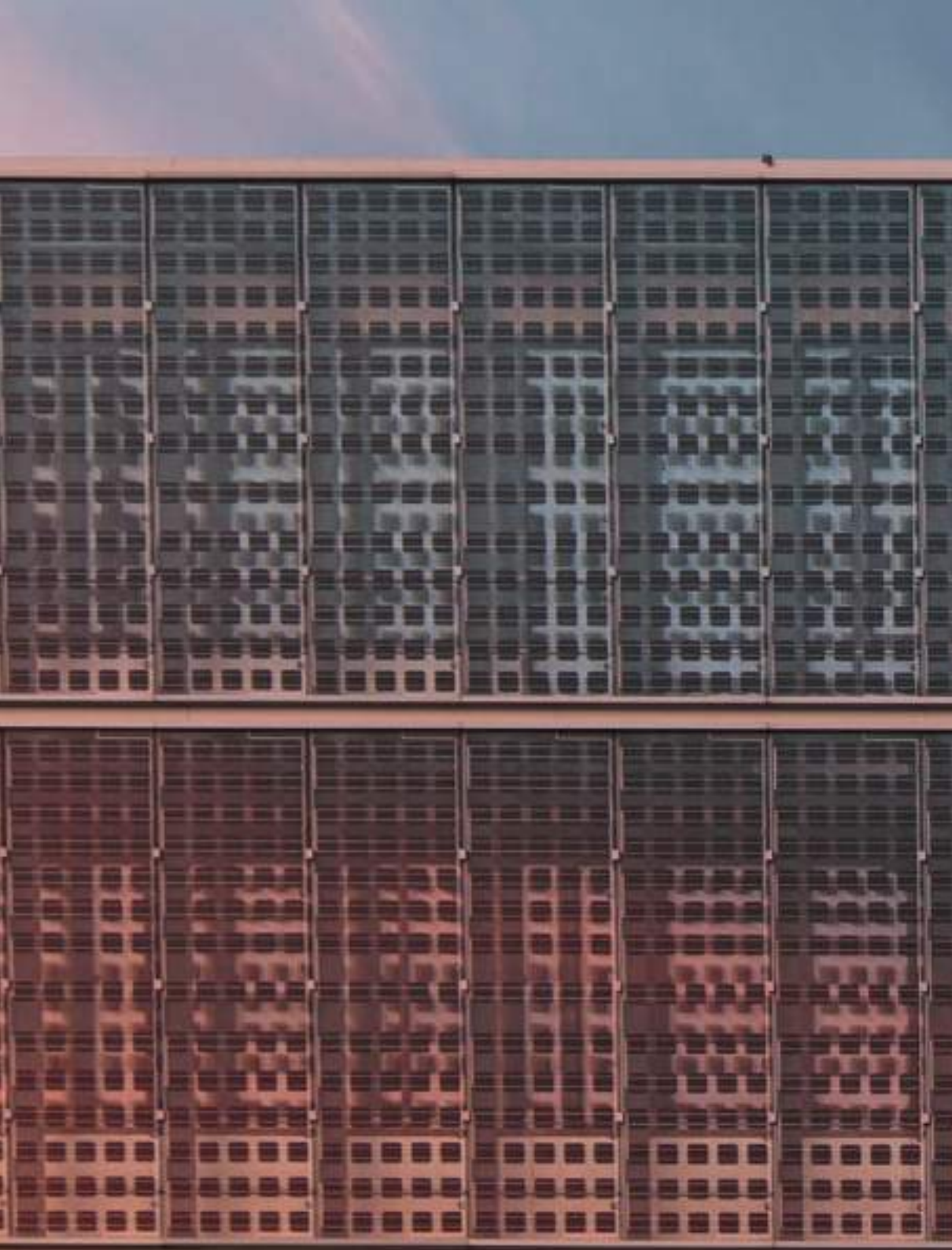
Energy Center
Torino - Italy
Architect : Corrado Franco Damian
190m² of photovoltaic curtain wall (4 kWp)

©Peter Zauner Architektur

©Peter Zauner Architektur

AUDI Brand Experience Center
Munich - Germany
450m² of glass facade with semi transparent modules (41 kWp)

©Peter Zauner Architektur



# 03
# DOUBLE SKIN
*DOPPELFASSADE*

Nature Towers
Architect : GJP
Lisboa - Portugal
264m² of photovoltaic double skin (24 kWp)

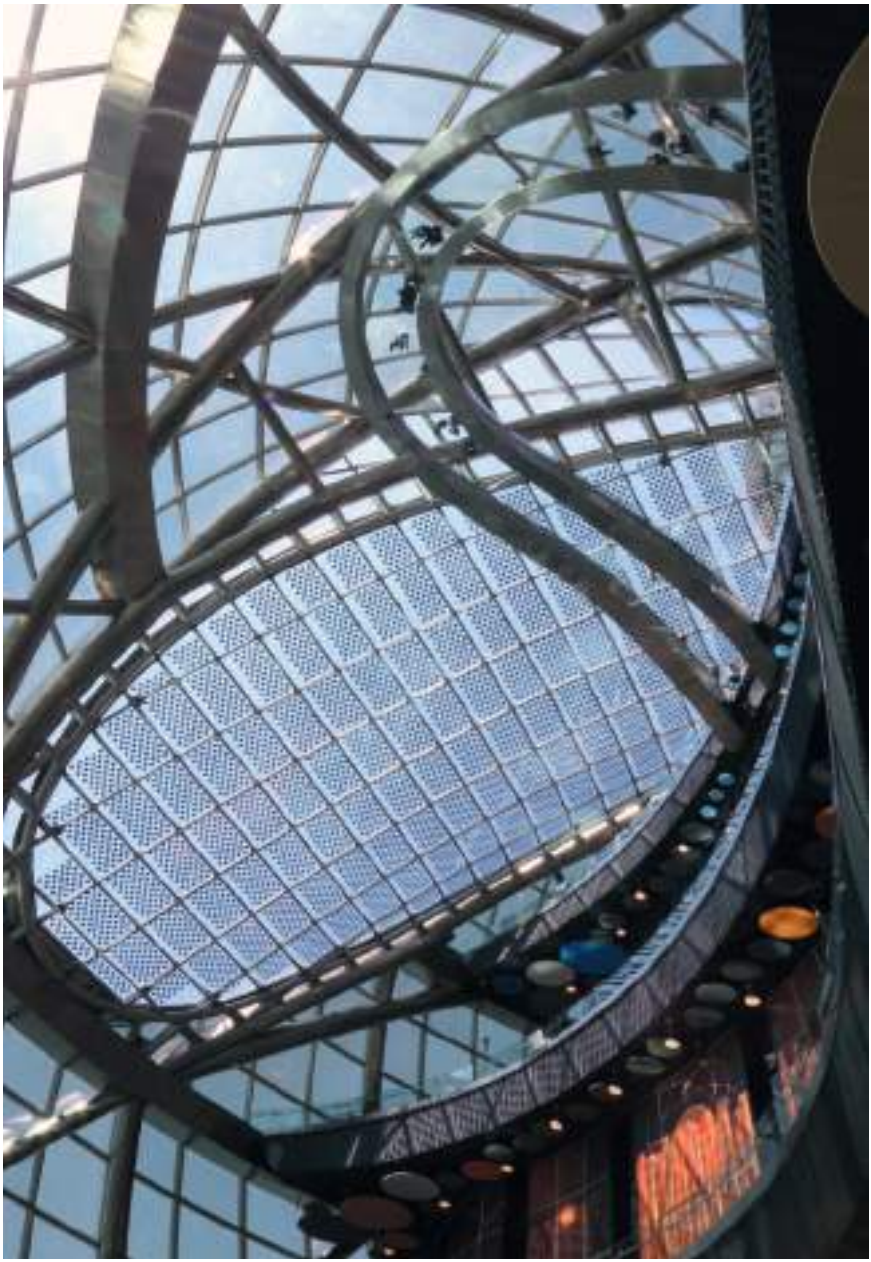
Head Office Fronius
Wels- Austria
Architect : PAUAT Architekten
44 panels of photovoltaic double skin (9 kWp)


Fronius

Site Fronius
Pettenbach - Austria
Architect : PAUAT Architekten
216m² of photovoltaic double skin (20 kWp)

# 04
# SKYLIGHT
*OBERLICHT*

Schönbrunn Zoological Garden
Vienna - Austria
Architect : Peter Hartmann
384m² of photovoltaic skylight (16 kWp)

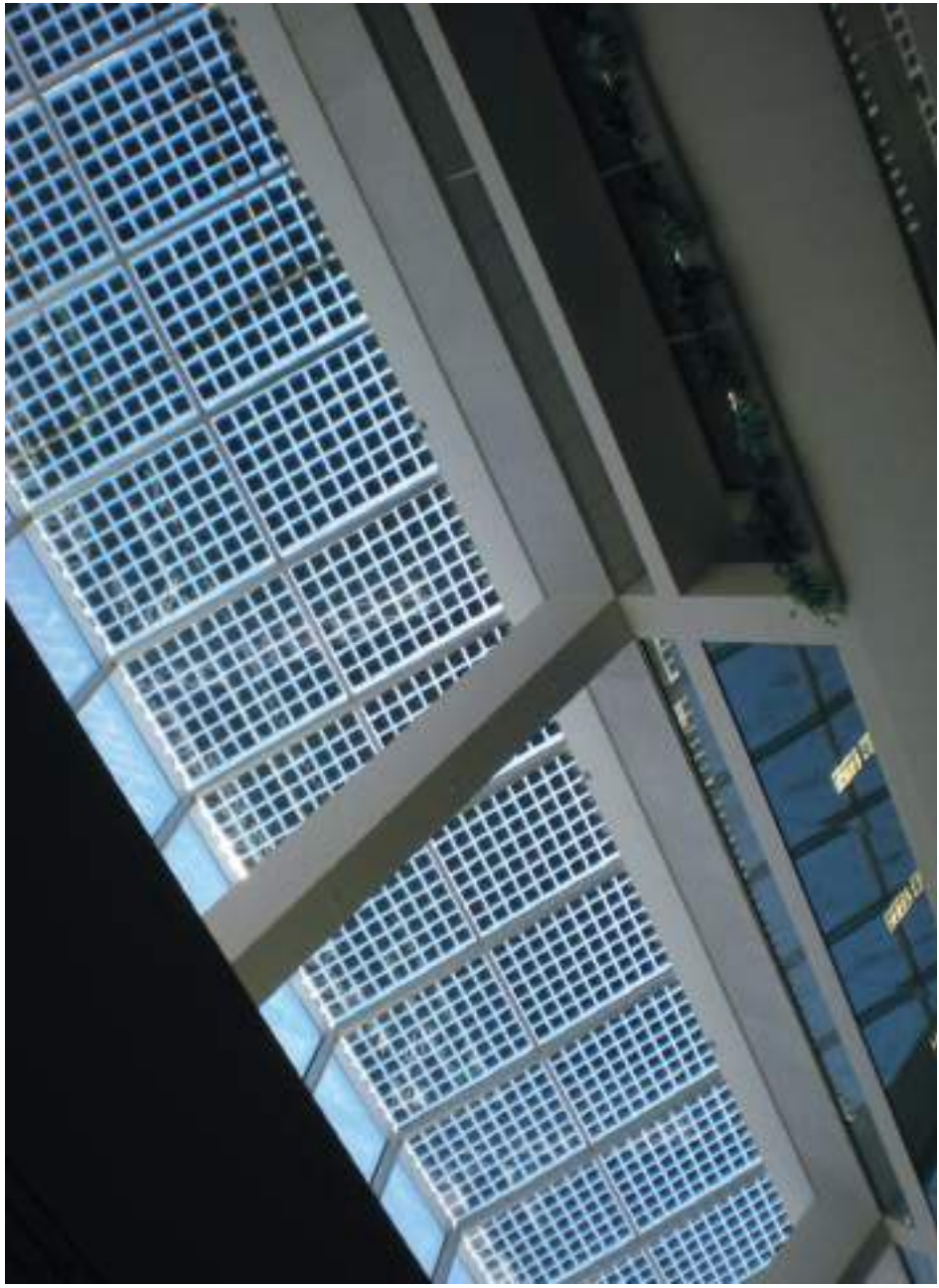


Astana Sphere Expo2017
Astana - Kazakhstan
Architect : Adrian Smith + Gordon Gill
1400m² of photovoltaic skylight (41 kWp)

Maison de la Baie
Hillion - France
82m² of photovoltaic skylight (2,3 kWp)

© Paulic

LeFay Resort
Gargnano - Italy
Architect : Demetzarch
130m² of insulated photovoltaic skylight (11,2 kWp)





Preston Link Office
Florida - USA
64m² of photovoltaic skylight (5 kWp)

# 05
# SHADEHOUSE
*SCHATTENHAUS*

© L'Image Contemporaine

Sopra Steria Offices
Meudon - France
Architect : Atelier 115
550m² of photovoltaic shadehouse (52 kWp)

City Center
Ludesch - Austria
Architect : Hermann Kaufmann +
375m² of photovoltaic shadehouse (18 kWp)



König der Lüfte
Rauris - Austria
Architect : Dialer Architekten
80m² of photovoltaic shadehouse (7 kWp)

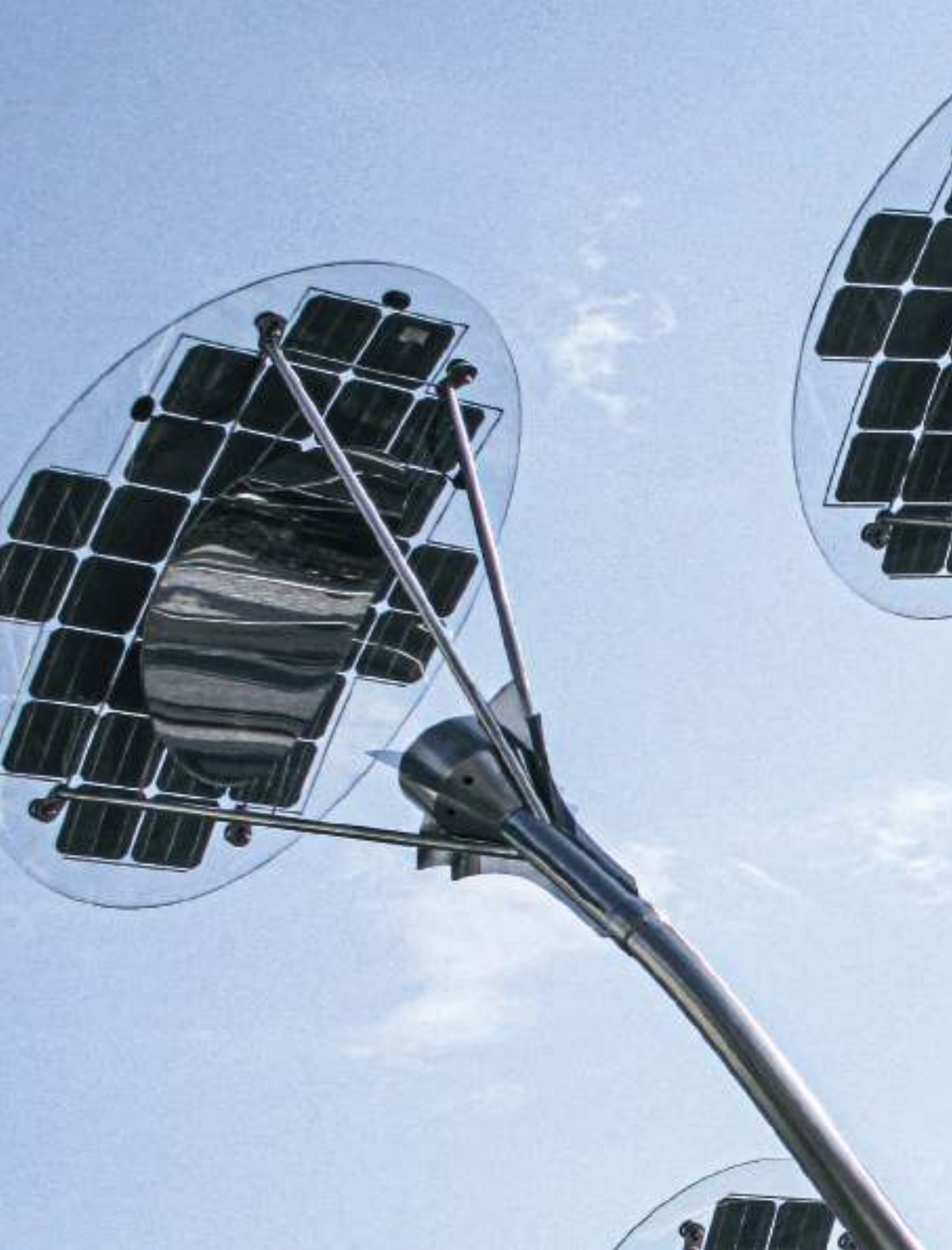



Glocknerbahn
Zell am See - Austria
Architect : Hasenauer Architekten
165m² of photovoltaic shade house (17 kWp)


Utrecht Centraal
Utrecht - Netherlands
Architect : BenthemCrouwelArchitects
3500m² of photovoltaic shadehouse (144 kWp)

Headoffice Püspök
Parndorf - Austria
Architect : ad2 Architekten - Andrea Dämon, Andreas Doser
370m² of photovoltaic shadehouse (39 kWp)

©Hertha Hurnaus



# 06
# ACCESSORIES
*ZUBEHÖR*

Technology park
Cracow - Poland
Architect : Kontrapunkt
35m² of photovoltaic accessories (3,5 kWp)



Hom Moke Up
Graz - Austria
Architect : Coop Himmelb(l)au
200m² of photovoltaic accessories (15 kWp)

Bürogebäude Aspern IQ
Vienna - Austria
Architect : ATP
325m² of photovoltaic accessories (40 kWp)

Argentomagus Museum
Saint Marcel - France
200m² of photovoltaic accessories (10 kWp)

Kimbell Art Museum
Forth Worth - Texas - USA
965m² of photovoltaic accessories (120 kWp)

© Arch. Helmut Sprotofski

Private House
Passail - Austria
60m² of photovoltaic accessories (5 kWp)



Charging Station
Architect: Andreas Fox and Christian Nuhsbaumer
8m² of photovoltaic accessories (1,1 kWp)

© Marktgemeinde Wiener Neudorf

Energy Wave
Wiener Neustadt - Austria
129m² bended glass (10,4 kWp)

Greeting to the Sun
Zadar - Croatia
Architect: Nikola Basic
400m² of photovoltaic accessories (15 kWp)

© Wille



**ertex solar**
**Peter-Mitterhofer-Straße 4,**
**3300 Amstetten**
**Austria**

**www.ertex-solar.at**
**info@ertex-solar.at**

**+43 7472 28260**

ertex solar

Energy Meets Architecture

AUSTRIA

Abonnieren Sie unseren
Youtube-Kanal