









The Pioneer & World Leader in Building Integrated Photovoltaics (BIPV)

#### WELCOME TO THE ULTIMATE LEVEL OF CUSTOM-MADE SOLAR PANELS

#### ertex solar

Since 2004



GREECE - CYPRUS

The Building Façade of the Future: Energy-Generating and Aesthetic

Roofing

Sky Lights

Spandrels

Brises Soleil

Balconies

Ventilated Facades

Sound Walls

Curtain Walls

Active Building Skins

Walkable Floor

Canopies & Shade House

The global building integrated photovoltaics (BIPV) facade market is anticipated to grow significantly from 2024 to 2028, driven by a heightened focus on sustainability, renewable energy, energy efficiency, and cost savings.

Ventilated Facades Systems address the challenge of heat loss by integrating external insulation and a ventilated air gap

#### Energy efficiency meets the design

Experience the perfect symbiosis of functionality and aesthetics. By integrating photovoltaics into an insulating façade, you make a building more energy—independent and also transform it into an outstanding design object.

#### Facade with future

Solar cells in the building envelope allow the building to generate its electricity and at the same time save heating costs through insulation. In addition by protecting the environment, façades of this type are an important step towards a sustainable energy supply and an investment in the future. With our wide—ranging expertise in the fields of insulating glass and photovoltaics, we are constantly realising exceptional solar projects with insulating façades.

#### Colour design options

Our solutions consist of laminated safety glass into which photovoltaic elements are integrated. They fulfil the same standards as laminated safety glass in the construction industry and can, therefore, be integrated into any surface of the building envelope. The realisation of coloured variants is achieved by using coloured cells, coloured films, coloured or printed glass.

By integrating Solar Modules, the Façade is used not only for Protection, but also for Energy Generation

BIPV facades, which incorporate solar panels directly into building exteriors, represent an innovative technology that has the potential to change how energy is generated and used in urban settings.

#### the world's only handmade solar panels

More than 70 years in the Glass Industry

More than 20 years of creating Unique Solar Panels

More than 5.000 Unique Projects Worldwide

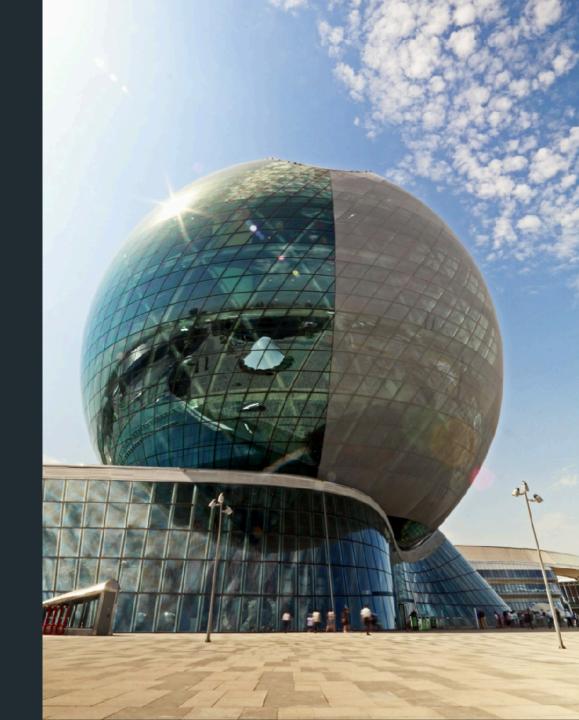
5,100 x 2,440 mm

is a World Record in the Solar Module Sector



" the sphere"

Astana Exhibition Center



" the sphere"

Astana Exhibition Center



The 200-seat Amphitheater, with a Dome of 18.25 m. in diameter, makes it the largest in SouthEast Europe.

The Scientific and Technological Equipment, along with its unique designmake it one of the tops in the World.







Cyprus Planetarium















Cyprus Planetarium



Dome Amphitheater

720 Custom-Made Panels

17 different sizes

All in the shape of a trapezium





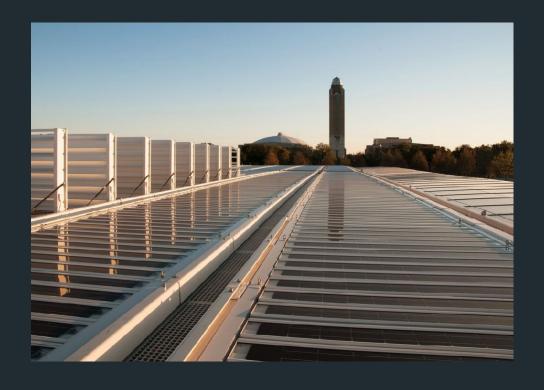
Cyprus Planetarium



2.403 Transparent Panels

by Renzo Piano Building Workshop



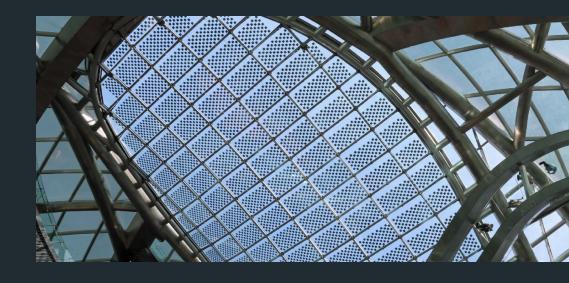


Kimbell Art Museum

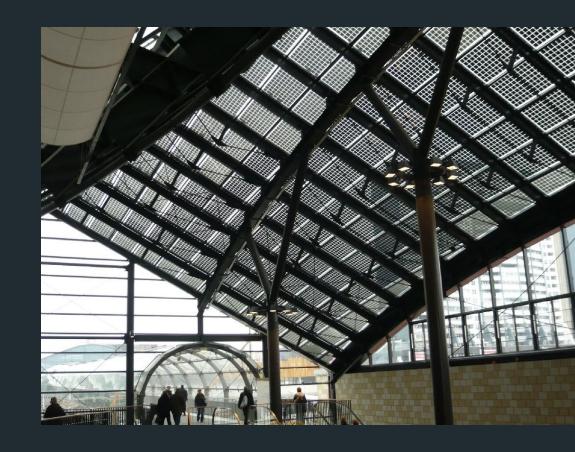
science center



stadiums sport centers



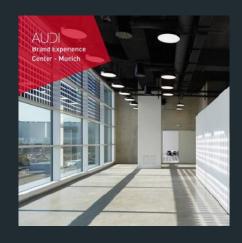
unique projects



unique facade Audi experience center

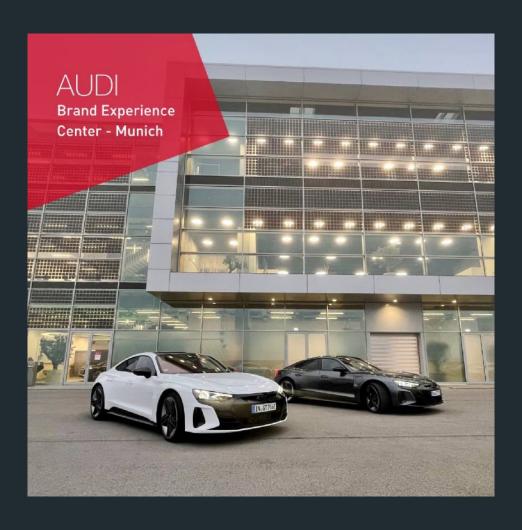




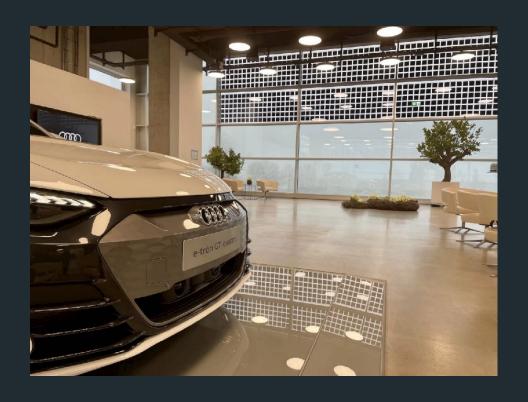


### Audi Munich experience center

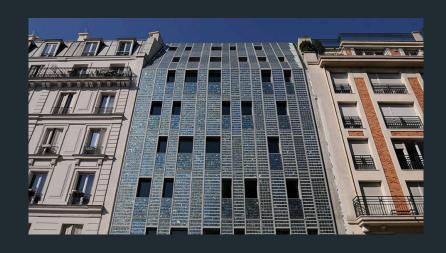


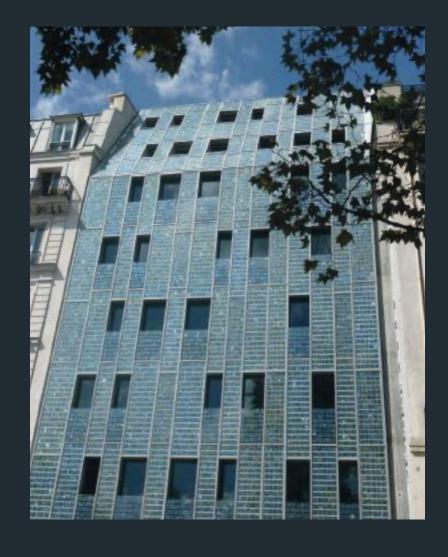


Audi showroom



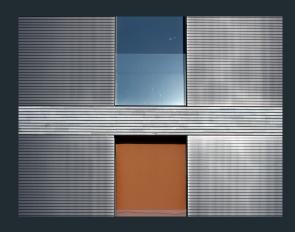
## unique facade installation Paris – France

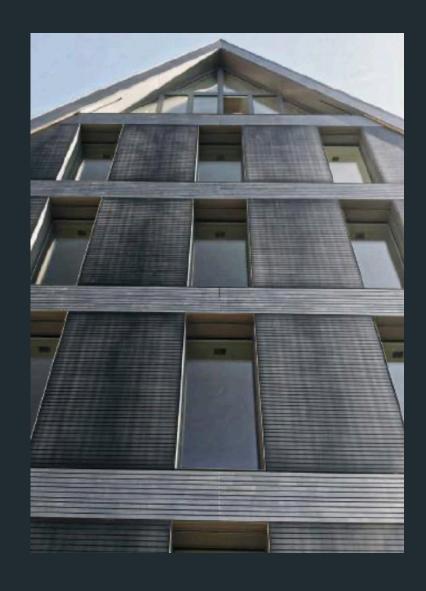




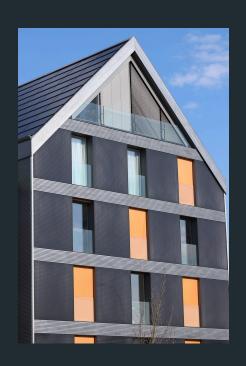


Roosli project





# unique facade & roof installation Roosli project







### towers



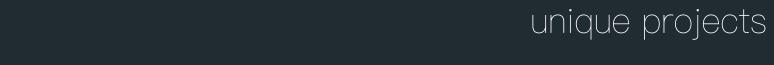












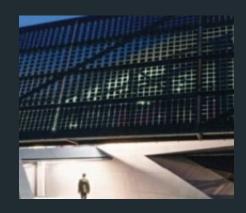


























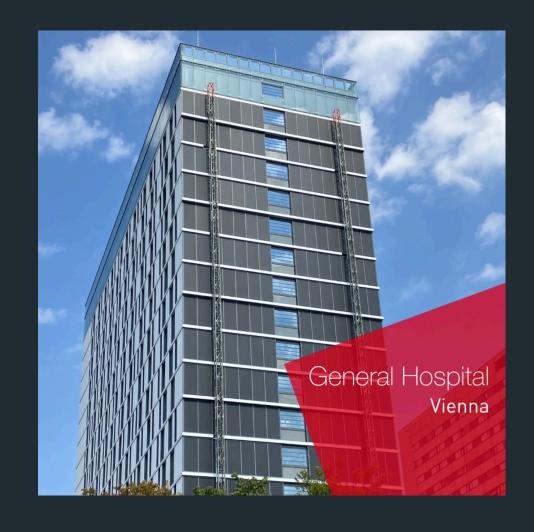




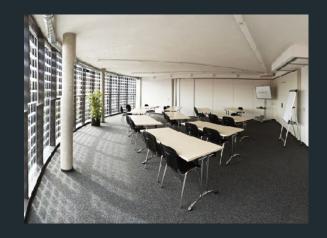








### off-grid building



Biessenhofen Germany





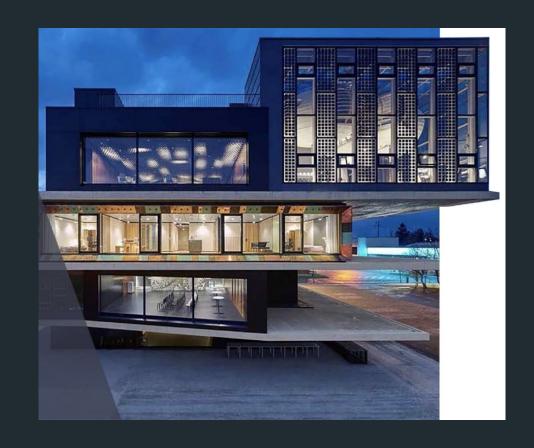
London





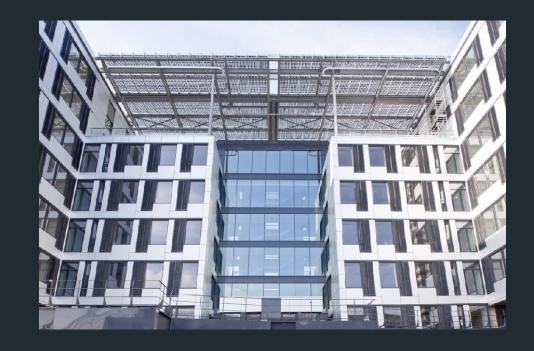
roof & facade installation

Dubendorf Switzerland





Headquarters





unique installations shopping malls

### transparent roofs



shopping malls transparent roofs



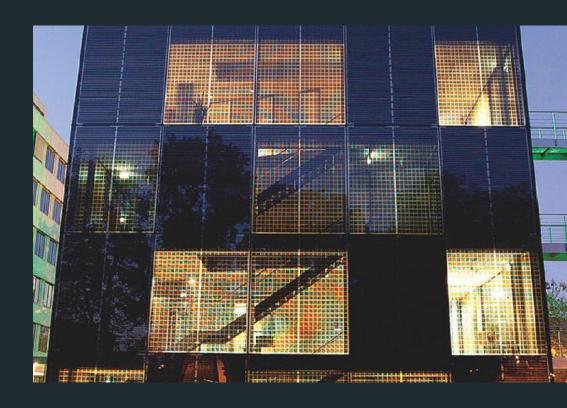


Pierre Arnaud Foundation



Pierre Arnaud France

## Constance Germany





Marburg Germany





unique energy project



## yachts





## yachts





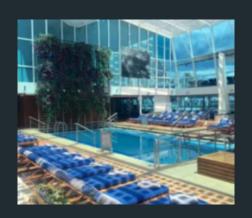






unique cruise ships







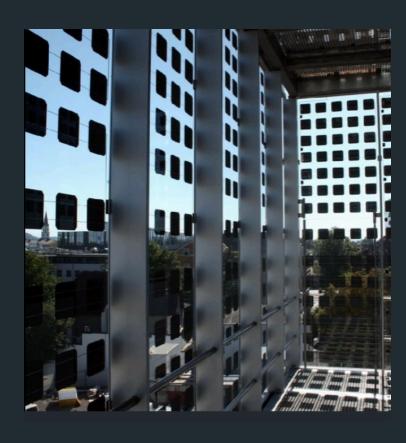
car - solar roofs





## Fronius solar inverters - Wels







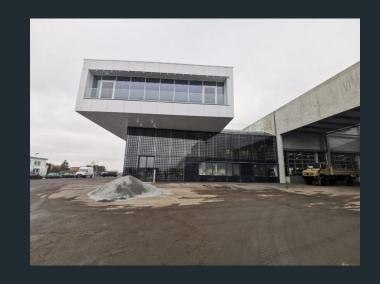
Fronius facade - Pettenbach







facade Empl



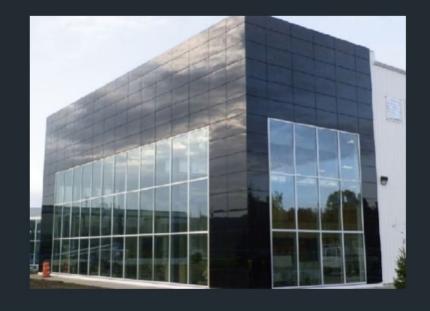
roof & facade installation

Schweiz

Switzerland





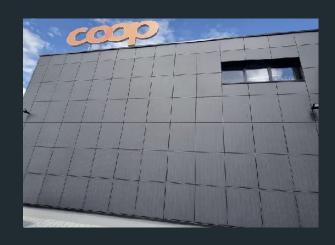




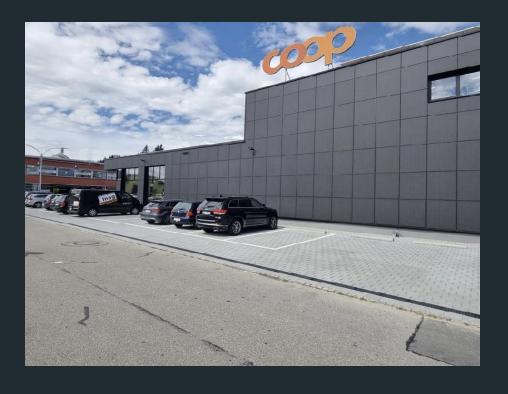




Coop Headquarters



#### facade & roof



ventilated facades

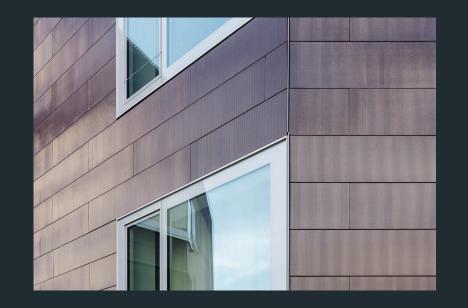


zero energy building

Solaris

Zurich

Switzerland





unique facades

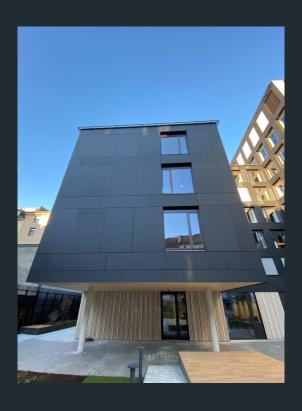
Talstrasse
Zurich
Switzerland



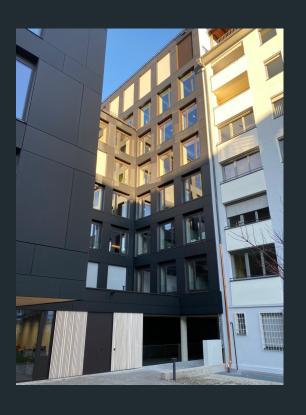
facade - roof self-sufficient residence



# facade - roof self-sufficient office building



### Tyrol



ventilated facades



energy self-sufficient residences



Sonnenpark project



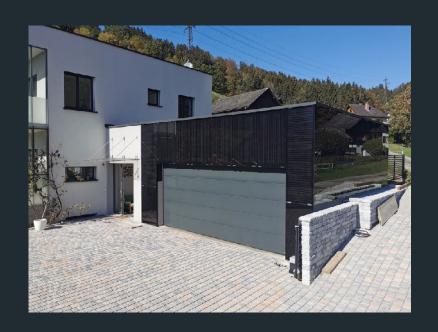
facades
roofs
balconies
storage

ventilated facades





roof & facade Unique Indoor Parking



facade Fehlmann Areal Winterthur





Fehlmann Areal Winterthur





residential complexes



# unique projects "the waves"

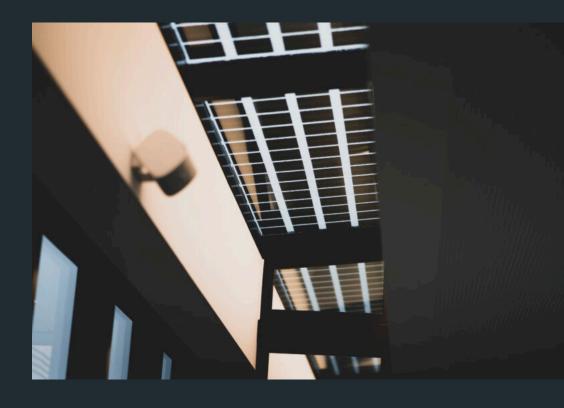


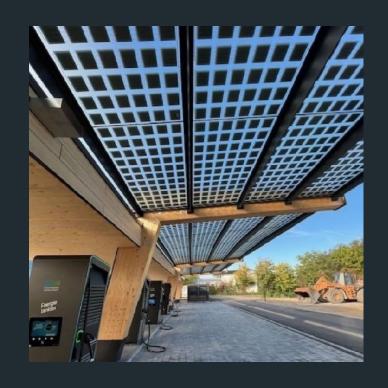




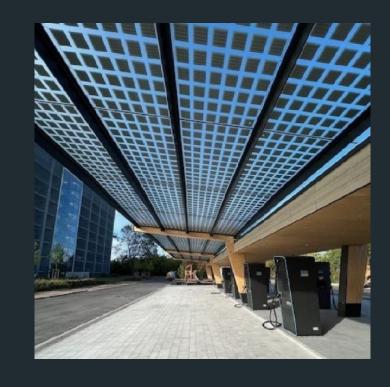
Audi charging hub







Audi charging hub





Audi charging hub





Schönbrunn Zoo







Båstad Tennis Stadium



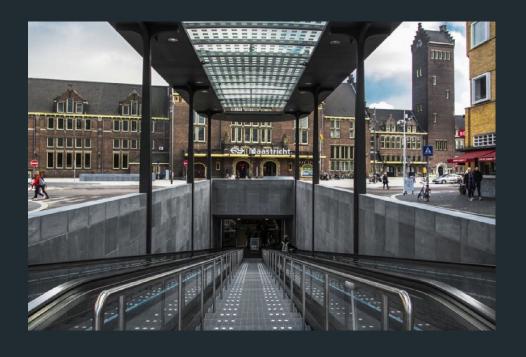


Swedish International Championship



Maastricht







## unique triple-side roof installation

panels of any size & shape





Switzerland



central bus station 8.000 m2 3.560 panels

Belgium





Allmend School

Zurich







utrecht central train station











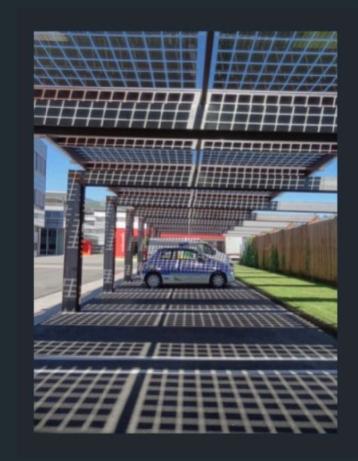


carport















terraces







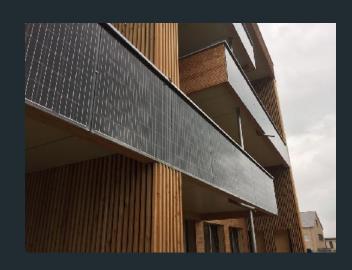
## roof - canopies



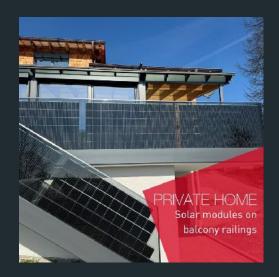




unique wooden constructions
Installations on roofs and balconies

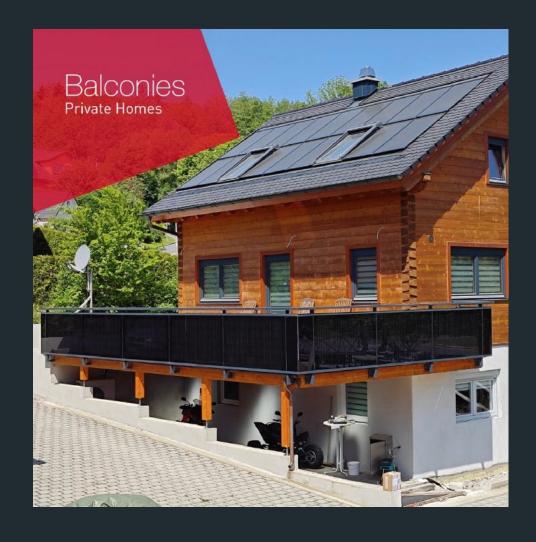






#### installations on roofs and balconies





# unique panels - length 5m







# perforated transparency









Unique Projects









# unique wooden construction







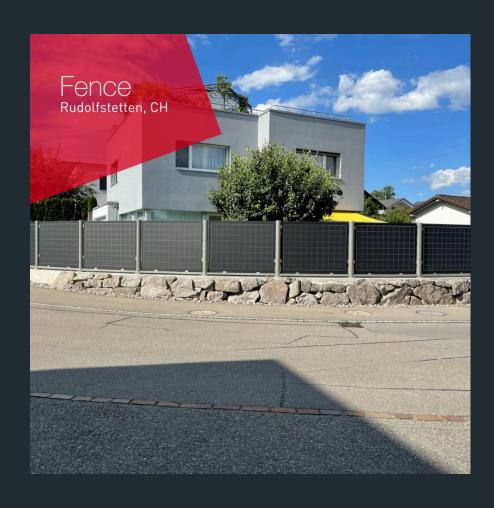
# balconies





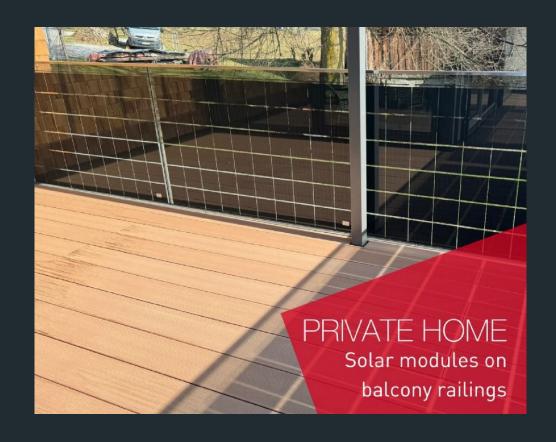






## balconies









fences & balconies





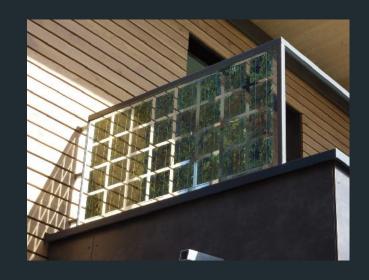


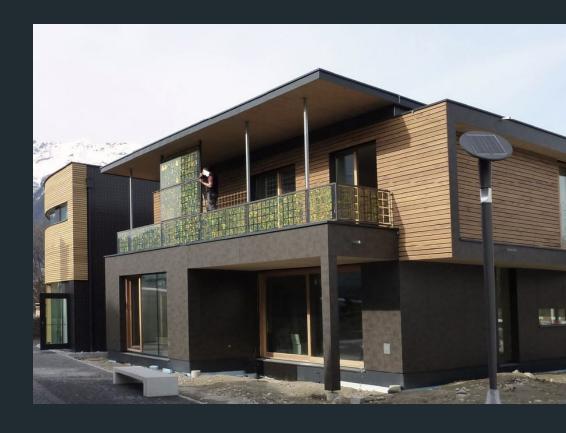
unique flower fence





# Country House transparent flower balcony



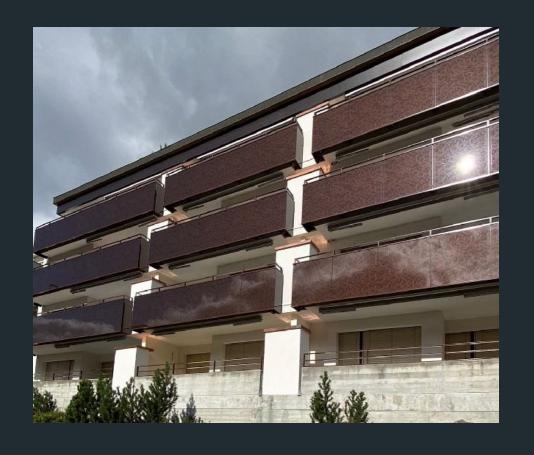




leather look



Weisses Schlössli Davos





facade panels: designed by Bruno Krucher

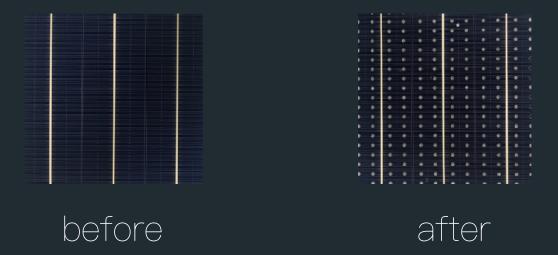


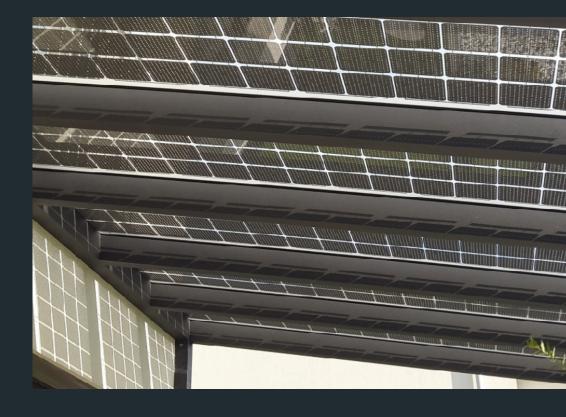
# Village of Tamins Switzerland

facade & roof installation



# handmade process unique perforated transparency





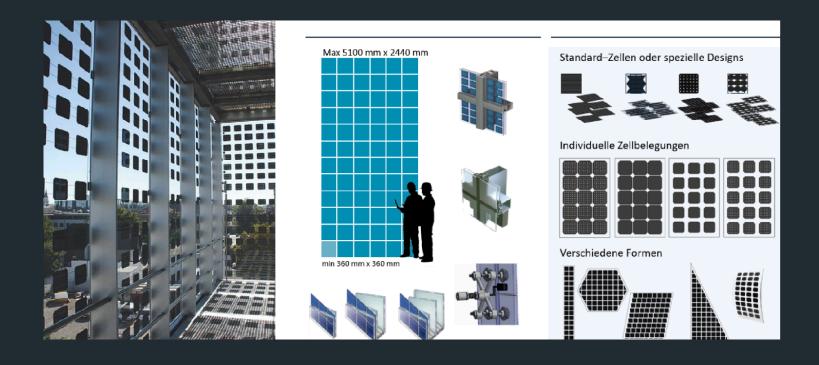
patented technology











#### certificates

#### Zertifikate

#### EN61215-2/EN61730



TESTING DECLARATION	
Reference No.	SGP-19922
Date of issue (YYYYMMDD)	2023.01.25
Total number of pages	. 1
Testing Laboratory	: AIT Austrian Institute of Technology GmbH
Address	: Giefinggasse 2, 1210 Vienna, AUSTRIA
Applicant's name	Ertex Solartechnik GmbH
Address	Peter-Mitterhofer-Straße 4, 3300 Amstetten, Austria
Test specification	<ol> <li>Terrestrial photovoltaic (PV) modules - Design qualification and type approval</li> <li>Photovoltaic (PV) module safety qualification</li> </ol>
Standard test method	Sub clauses of IEC 61215-2:2021 and IEC 61730-2:2016
Used test procedure/sub-clauses:	: MQT 01, MQT 02, MQT 19.1, MQT 6.1, MQT 15, MQT 03, MQT 13, MQT 10, MQT 11 (50+200 cycles), MQT 12, MQT 14.1, MQT 18.1, MQT 18.2
	MST 01, MST 02, MST 03, MST 07, MST 11, MST 14, MST 16, MST 17, MST 25, MST 26, MST 42, MST 51 (50+200 cycles), MST 52, MST 53, MST 54
Test report reference number	2.00.80579.1.0a, 2.00.80579.1.0b, 2.00.80579.1.0c, 2.00.80579.1.0d
Additional information	
	the result of a single examination of the product sample(s) submitted and informity of the products from the current production.
	n tested and found to be in conformity with the above-mentioned st procedures. Details concerning the product itself as well as the named test report.
Test item description	Photovoltaic (PV) Module(s)
Trade Mark	Ertex Solartechnik GmbH
Manufacturer	Ertex Solartechnik GmbH
Model/Type reference:	VSG SEMI BACK 44.4 (270 Wp), VSG SEMI BACK 66.4 (270 Wp) VSG MONO SIDE 44.4 (350 Wp), VSG MONO SIDE 66.4 (350 Wp)

Energy Conversion and Hydro

IV. DDI Dr. Stechan Abermana II.A. DI (FH) Thomas

Kugelfall / Pendelschlag



ma39.wien.at
Wien, 31. August 2021

Wien, 31. August 2021 Gesamtseiten: 8

#### MA 39-21-03445 Prüfbericht

Auftrag

 $\ddot{\textbf{u}}\textbf{ber Kuge} \textbf{| fall-und Pendelschlagpr\"{\textbf{u}}fungen an Verbundglas mit Photovolta\emph{\textbf{i}}\textbf{k-Einlagen}$ 

Auftraggeber/ Werk ertex solartechnik GmbH, Peter-Mitterhofer-Straße 4, 3300 Amstetten

Auftragsdatum 13. April 2021

Prüfgut Verbundglas mit Photovoltaik-Zellnetz aus 2 x 6 mm Einscheiben-Sicherheitsglas beziehungsweise 2 x 6 mm teilvorgespanntem

Glas

Prüfguteingang 10. Juni 2

Kugelfallprüfung gemäß ÖNORM EN 14449 sowie Pendelschlagprüfung gemäß ÖNORM EN 12600

#### FEUER PRÜFUNG

Alu König Stahl GmbH Goldschlagstraße 87-89 1150 Wien

active messars scanning was existed in m.a.m. Adkreditet Prül-, Inspektions - und Zertifizierungsstelle Prezodut raße 65 (4020 Linz / Austria T+43 722 7617-250 JF+63 732 7617-119 office@bb-austria.at / www.bs-austria.at / kmm.bs-austria.at Landesgericht Linz / UID-Nr. ATUZ3289707.

18. Jänner 2022 Roland BECK / AM +43 732 7617 - 885

Nachweis über die weitere Verwendbarkeit des Prüfberichts Nr. 12120405-1,RevA vom 10. Jänner 2013

#### Prüfgegenstand:

Schüco SCC 60 Aluminium-Fassade mit PV-Modul-Ertex-VSG und Mineralwolledämmung

#### Prüfergebnisse:

positiver Nachweis

B-s1, d0

#### Grundlagen:

ONORM B 3800, Teil 5: "Brandverhalten von Baustofffen und Baufellen – Teil 5: Brandverhalten von Fassaden Anforderungen, Prüfungen und Beurteilungen" Ausgabe: 15. April 2013

#### Geltungsdauer

Der Prüfbericht Nr. 12120405-1,RevA vom 10.09.2013 ist in Verbindung mit diesem Schreiben weiterhin bis zum 7. Juni 2027 bzw. bis zum Ende der Koexistenzperiode einer anwendbaren harmonisierten Produktnorm verwendbar.

### extreme crash test

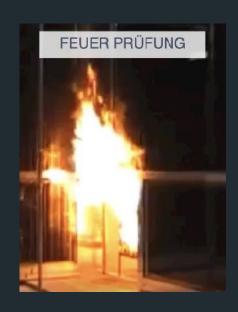
# SCHLAG- UND STOSSPRÜFUNG

### extreme hail test

Ice Ball
Diameter 70mm - Speed 110km/h



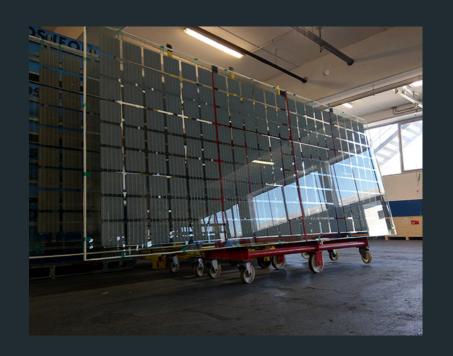
#### extreme fire test





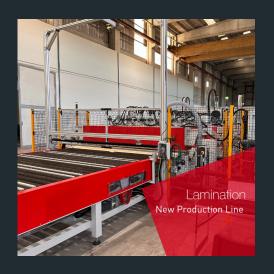
5,100 x 2,440 mm world record



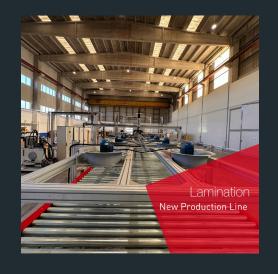


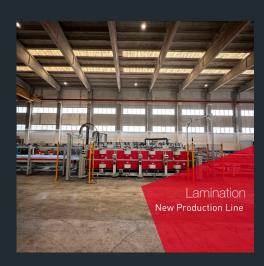
unique huge custom-made panels for special projects



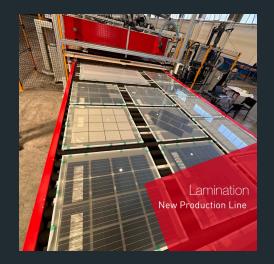


a new tailor-made
lamination production line
to manufacture the world's only
100% handcrafted solar panels.









1st Quality & Innovation Award 2024



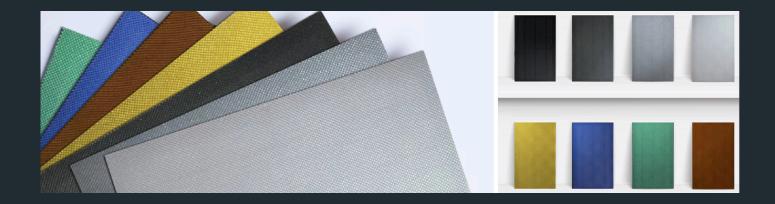
One of Austria's most innovative Companies at iLab of Austria's Pavilion



Dubai



unique range of sizes, surface finishes and different colours unique colour palette to meet your architectural challenges









Unique Bamboo Look







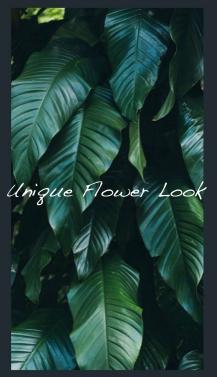
























Unique Flower Look



















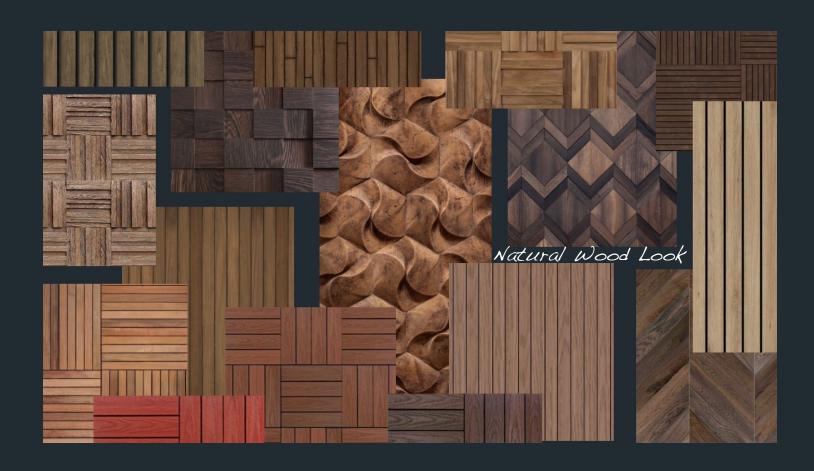






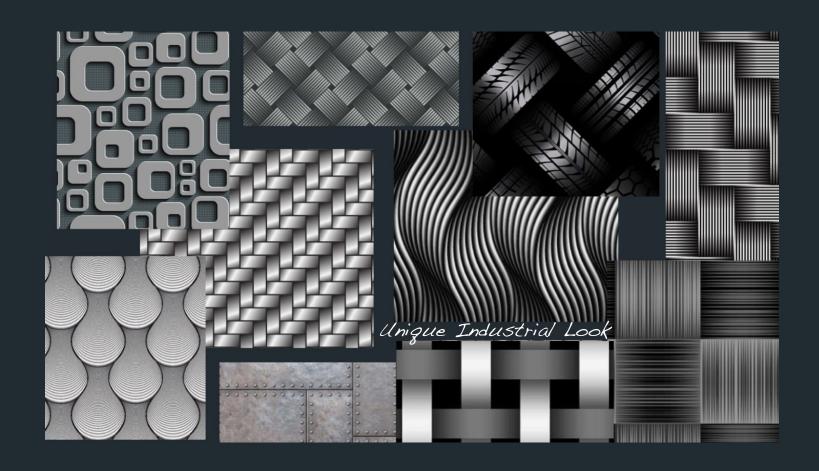


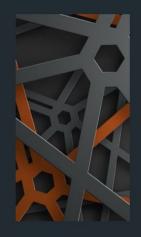




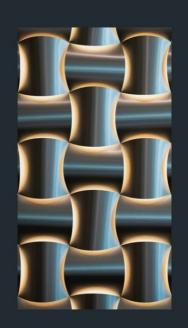














Unique Industrial Look



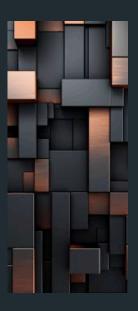




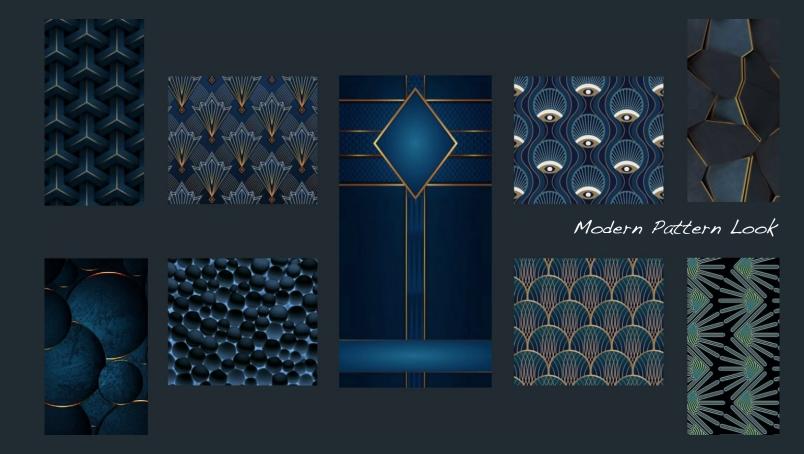
Modern Pattern Look







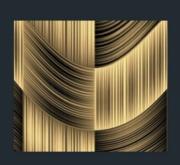












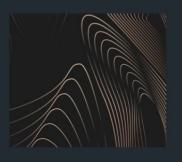


Unique Golden Look



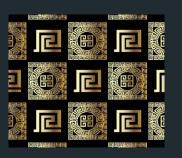












Modern Meander award-winning design by Gianni Versace special design for an iconic hotel

















Lichtbrunnen

Linz – Austria



## Sonnenblumen







Linz - Austria





ultra-modern museum Bremerhaven Germany















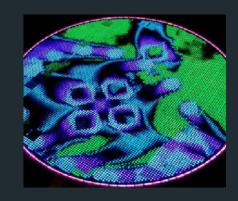




art & technology









Roofing

Balconies Sky Lights

Spandrels

Brises Soleil

Ventilated Facades

Sound Walls

Curtain Walls

Active Building Skins

Walkable Floor

Canopies & Shade House

The Building Façade of the Future: Energy-Generating and Aesthetic



The Pioneer & World Leader in Building Integrated Photovoltaics (BIPV)

