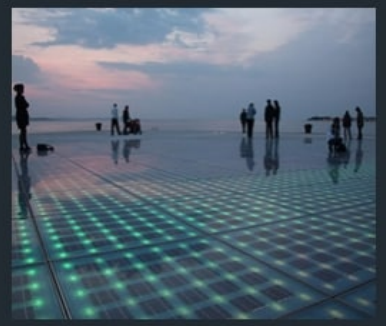




The Pioneer & World Leader in Building Integrated Photovoltaics (BIPV)

WELCOME TO THE ULTIMATE LEVEL OF CUSTOM-MADE SOLAR PANELS

ertex solar

Since 2004

MASTER ENERGY

GREECE - CYPRUS

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

Roofing

Balconies

Sky Lights

Spandrels

Brises Soleil

Ventilated Facades

Sound Walls

Curtain Walls

Active Building Skins

Walkable Floor

Canopies & Shade House

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.

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.

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.

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

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

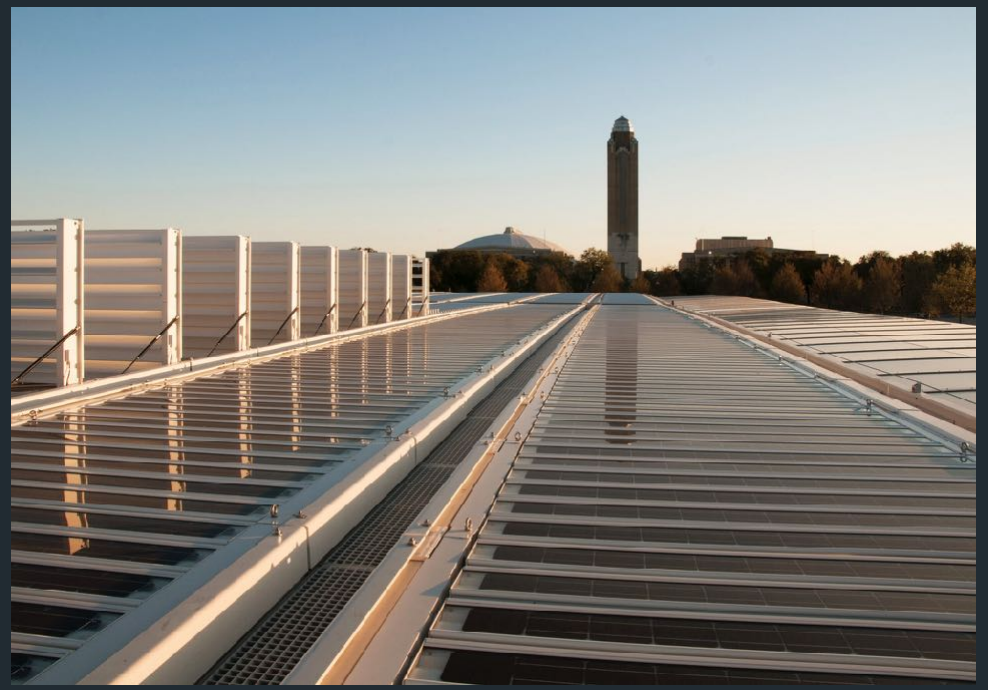




2.403 Transparent Panels

by Renzo Piano Building Workshop



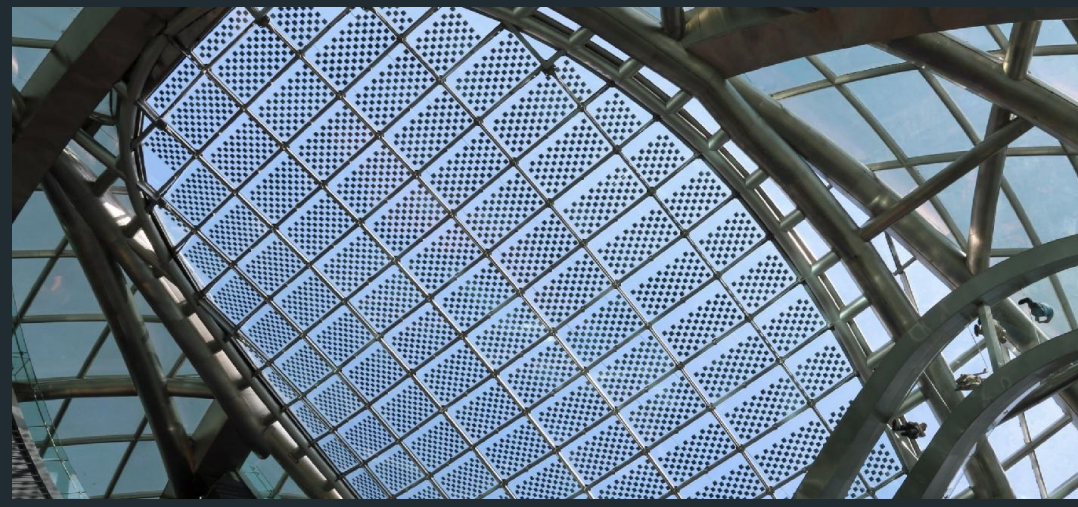


Kimbell Art Museum

science center



stadiums
sport centers



unique projects

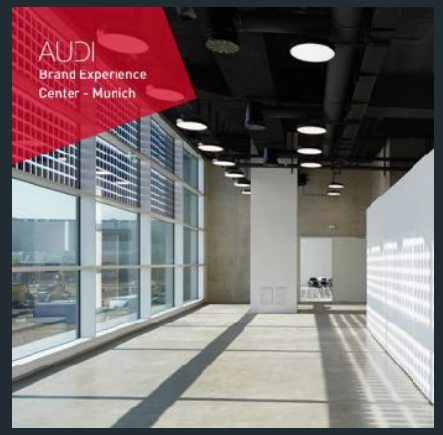


unique facade

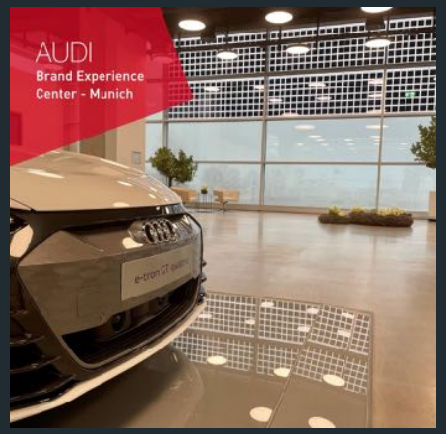
Audi experience center





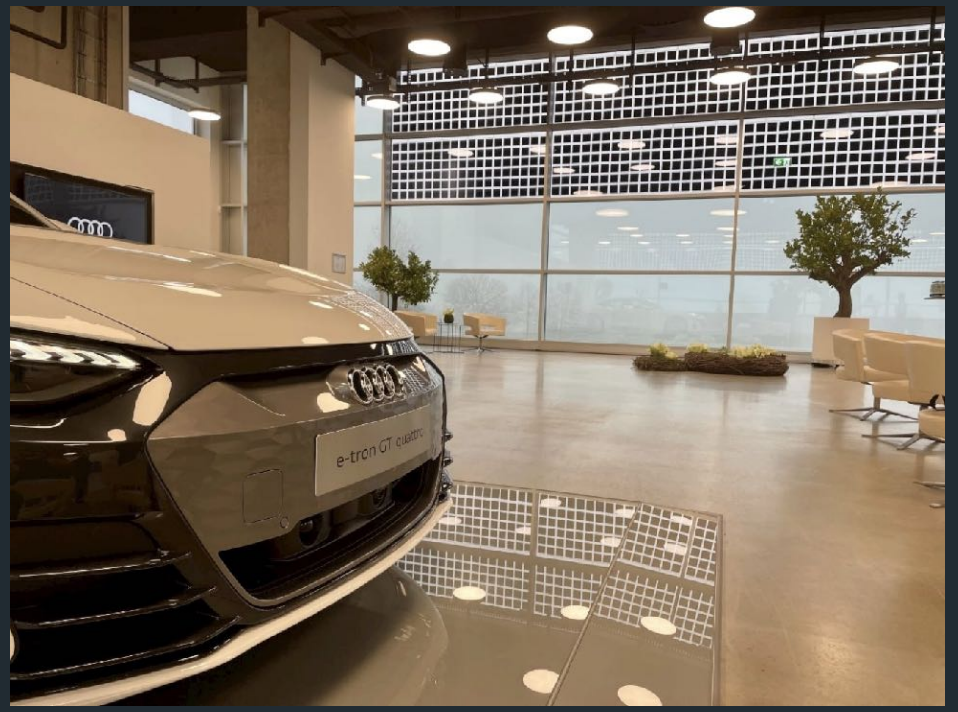


Audi Munich experience center



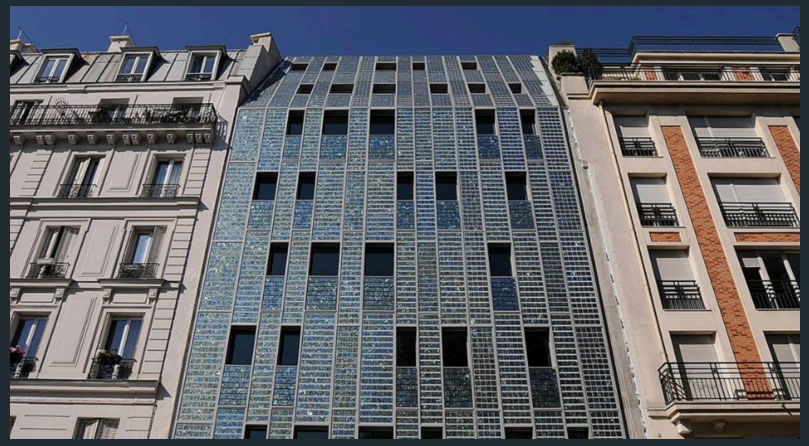


Audi
showroom

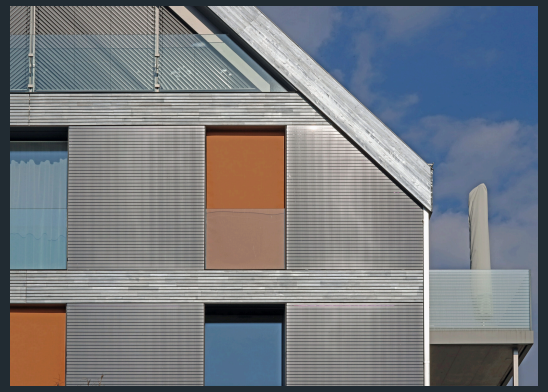


unique facade installation

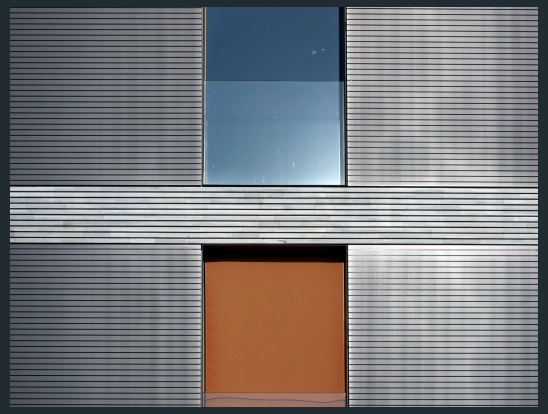
Paris – France

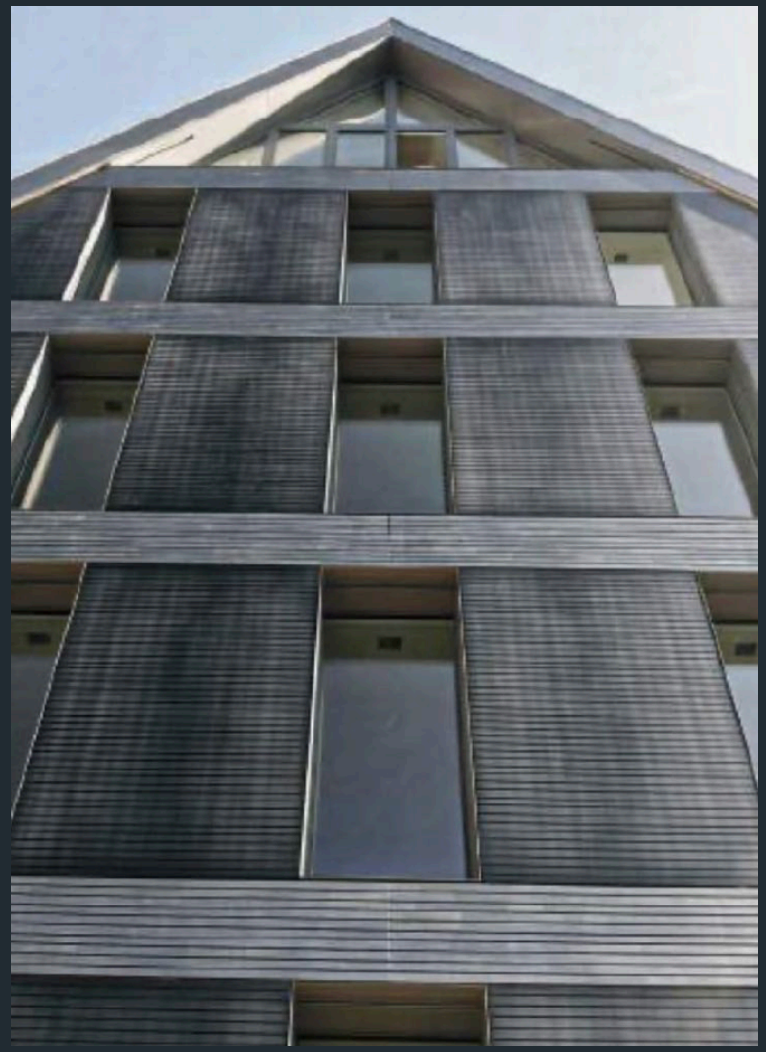






Roosli project





unique facade & roof installation

Roosli project

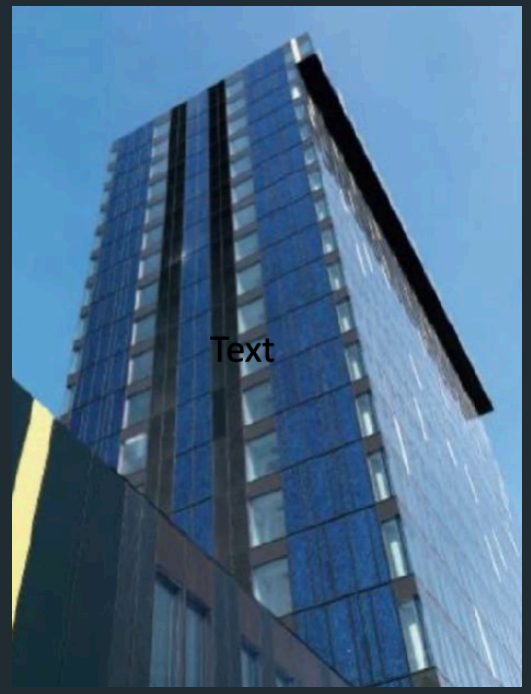


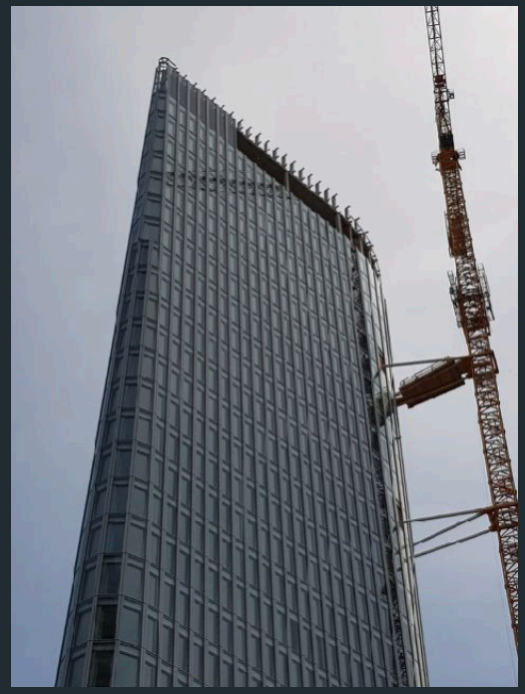




towers













unique projects

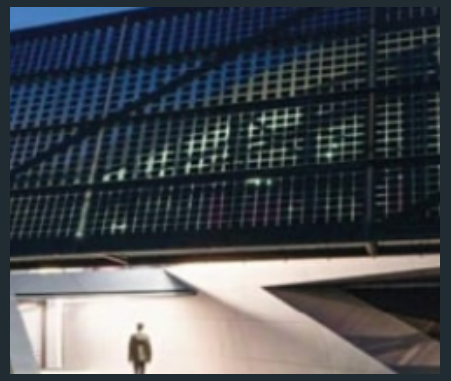












unique projects













unique projects



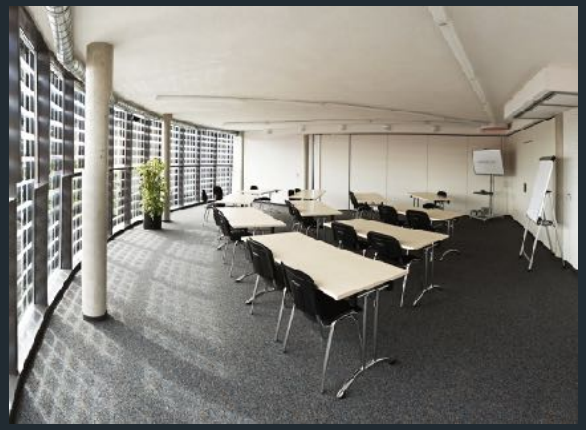





General Hospital
Vienna


General Hospital
Vienna

off–grid building



Biessenhofen
Germany





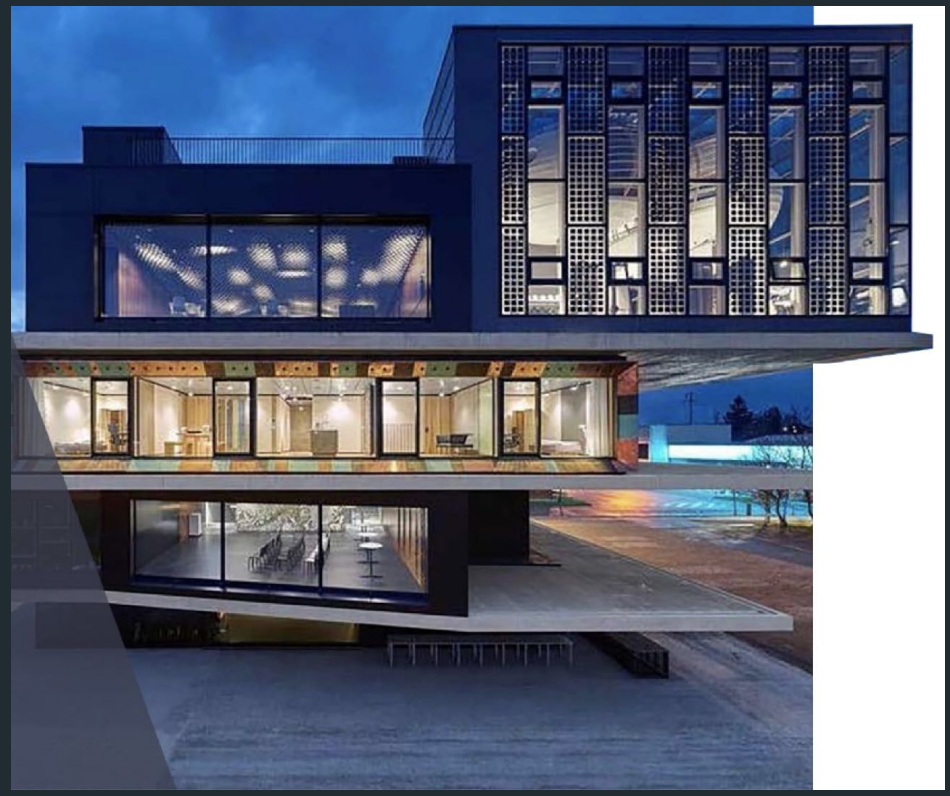
London





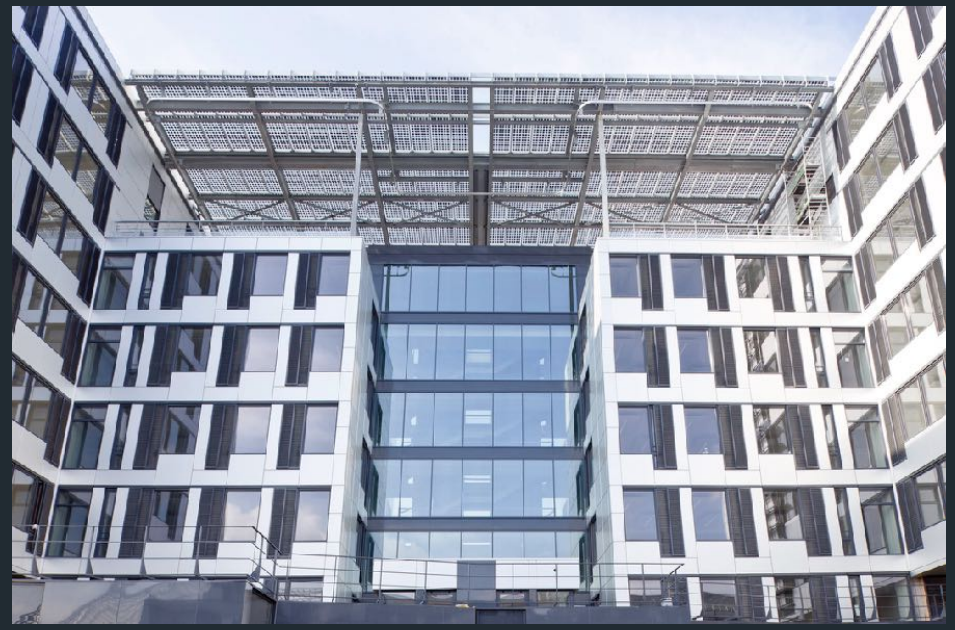
roof & facade installation

Dubendorf
Switzerland





Headquarters





transparent roofs

unique installations
shopping malls



shopping malls
transparent roofs





Pierre Arnaud Foundation



Pierre Arnaud France

Constance
Germany







Marburg
Germany

unique energy project



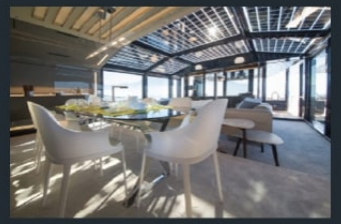


yachts





yachts











unique cruise ships

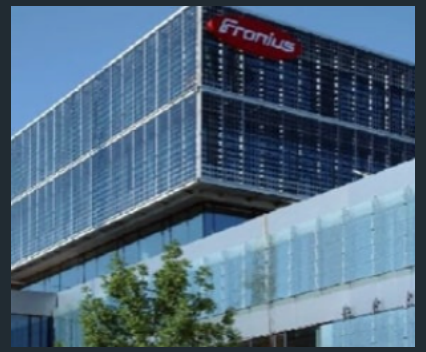






car – solar roofs





Fronius solar inverters – Wels



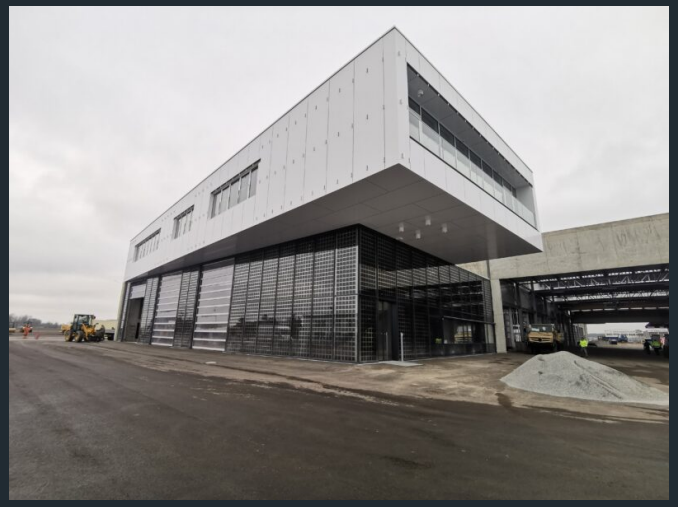




Fronius facade – Pettenbach







facade Empl



roof & facade installation

Schweiz

Switzerland



ventilated facades





ventilated facades





ventilated facades



Coop Headquarters



facade & roof



ventilated facades

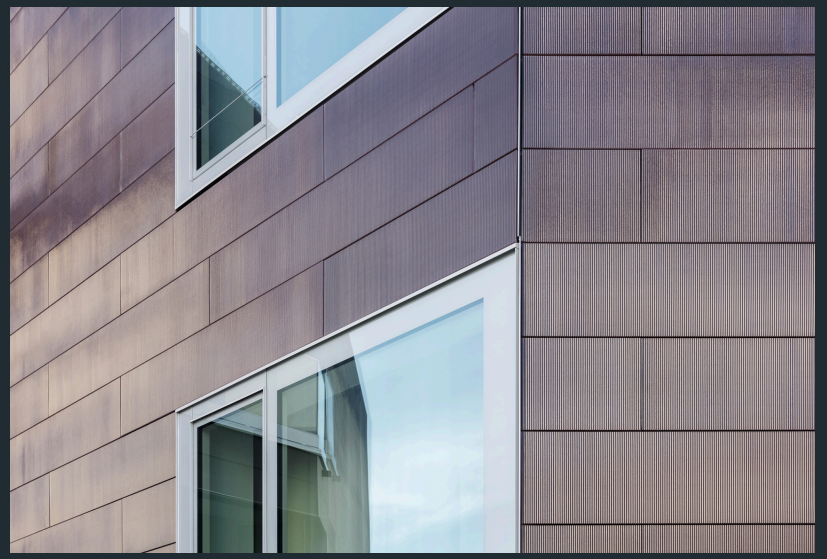


zero energy building

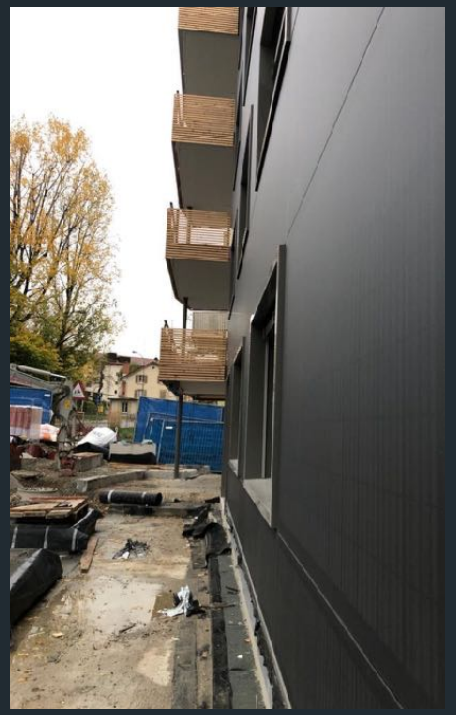
Solaris

Zurich

Switzerland



ventilated facades



unique
facades

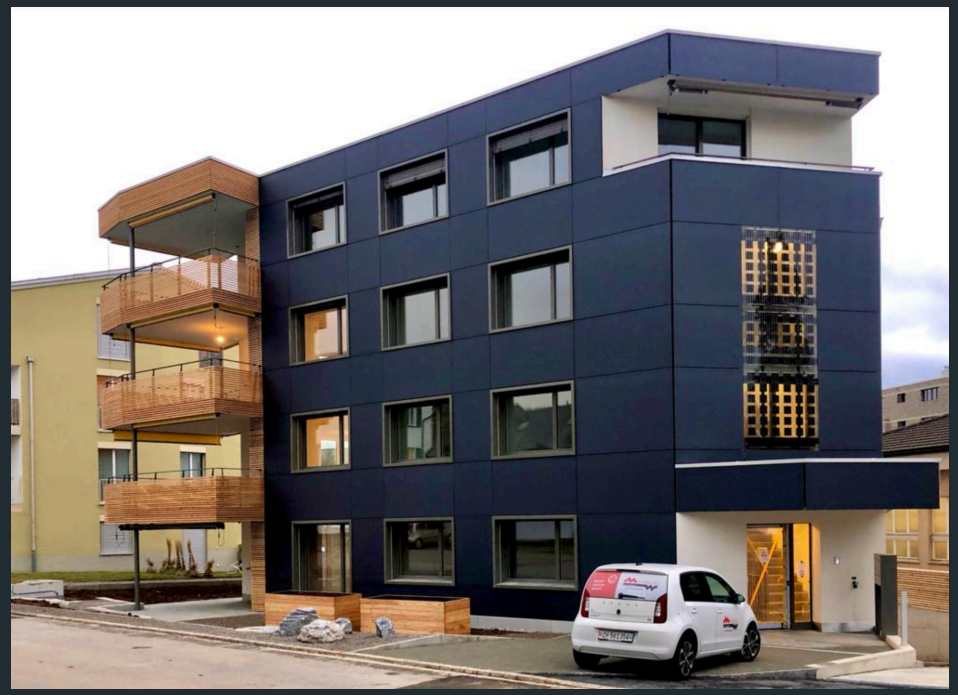
Talstrasse
Zurich
Switzerland



ventilated facades

facade – roof

self–sufficient residence



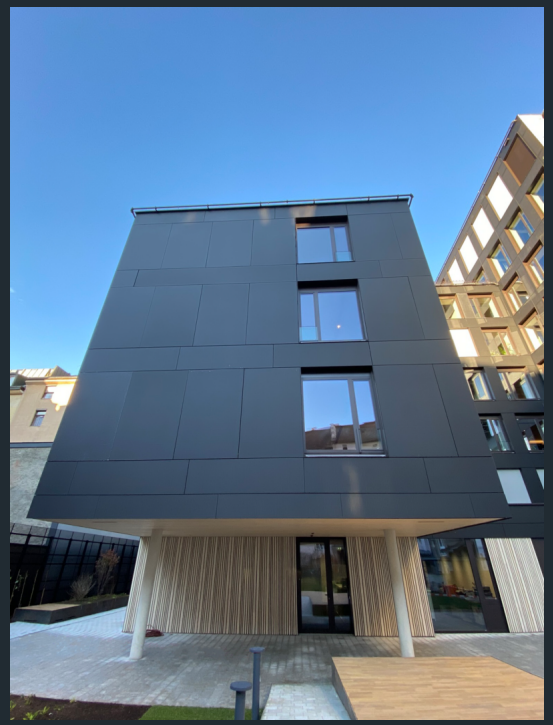
ventilated facades

facade – roof

self–sufficient office building

Tyrol







ventilated facades

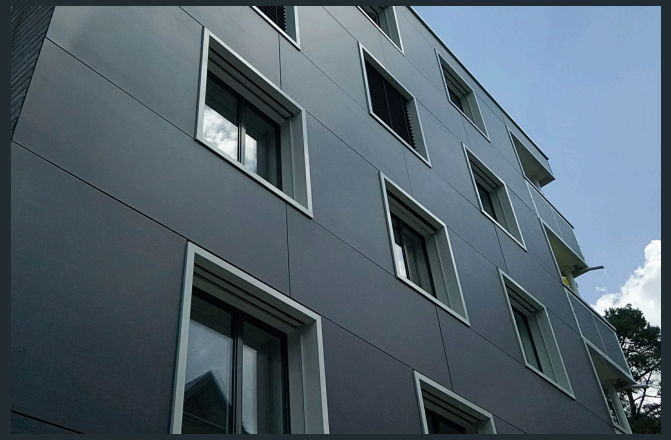


energy
self–sufficient residences



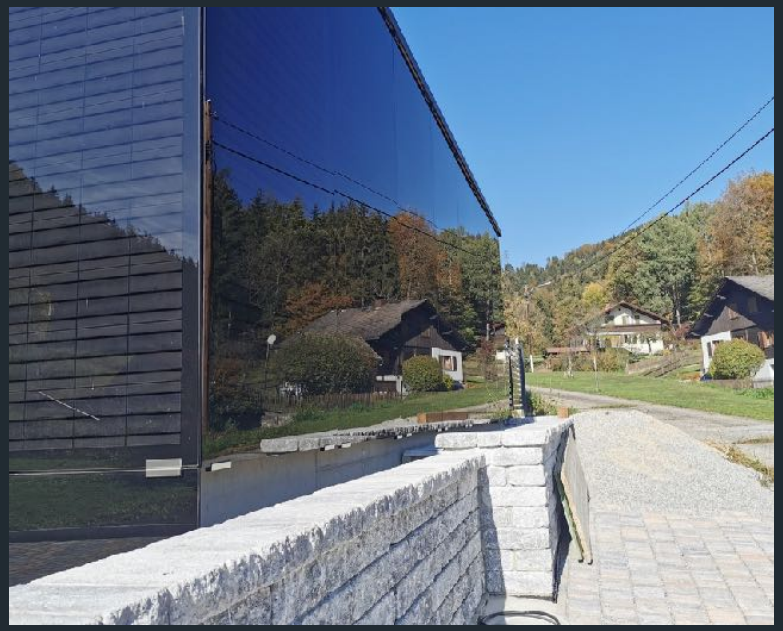
Sonnenpark project

ventilated facades



facades
roofs
balconies
storage





roof & facade
Unique Indoor Parking



facade Fehlmann Areal Winterthur





Fehlmann Areal Winterthur

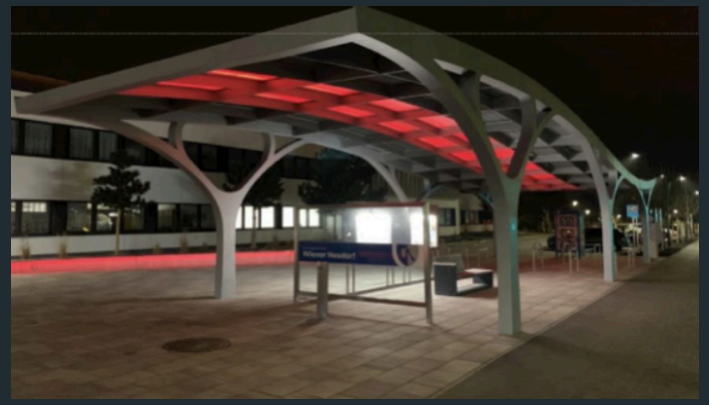




residential complexes



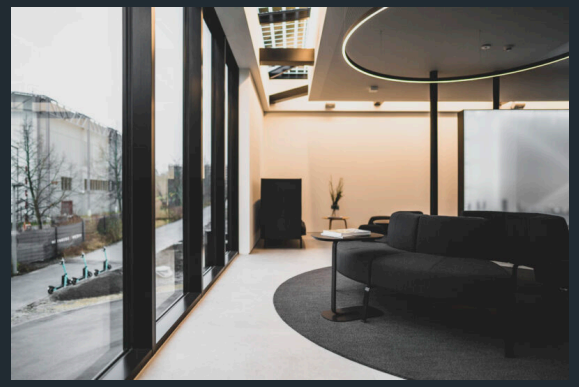
unique projects “the waves”

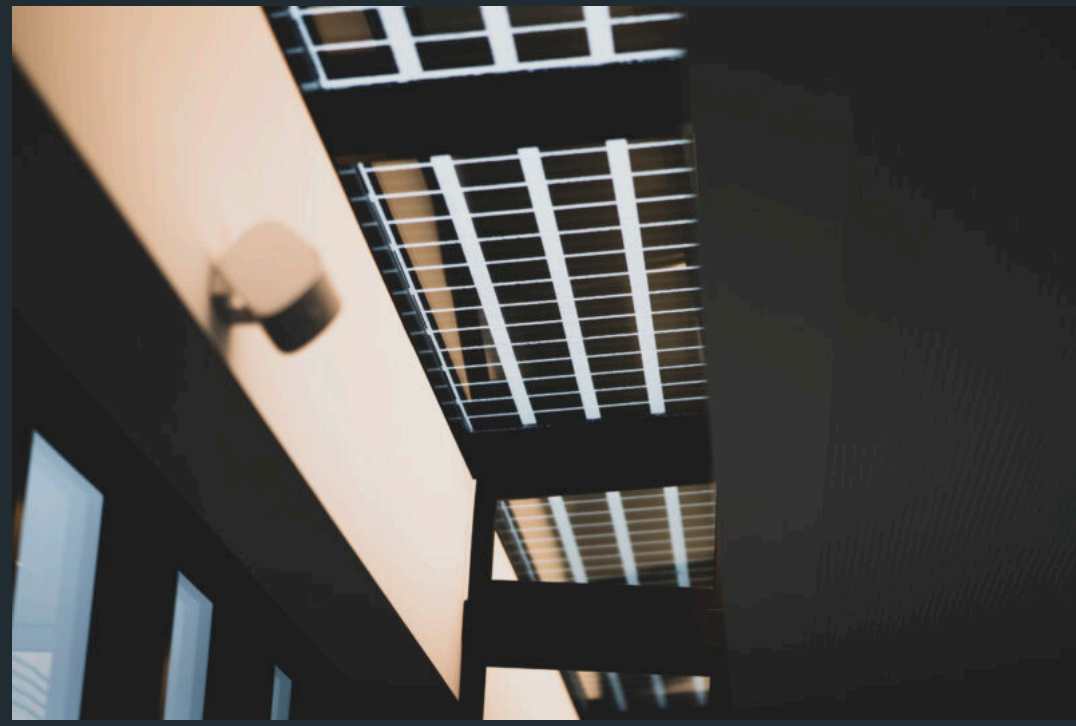






Audi charging hub







Audi
charging hub





Audi
charging hub





Schönbrunn Zoo

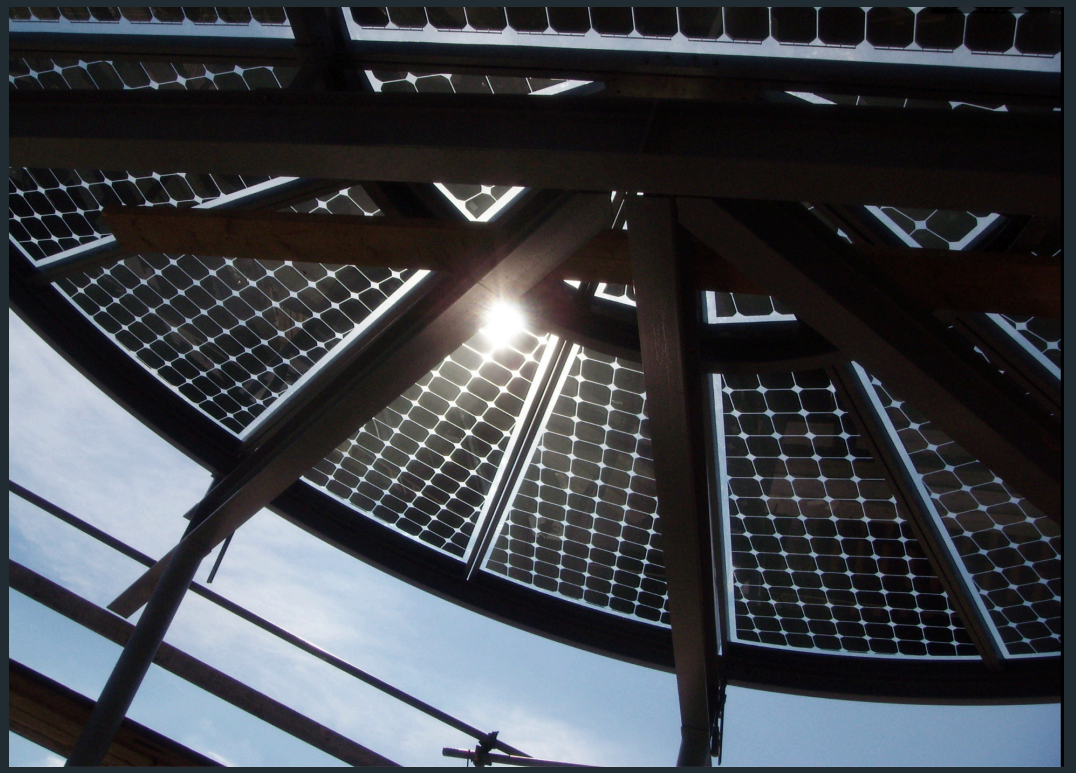




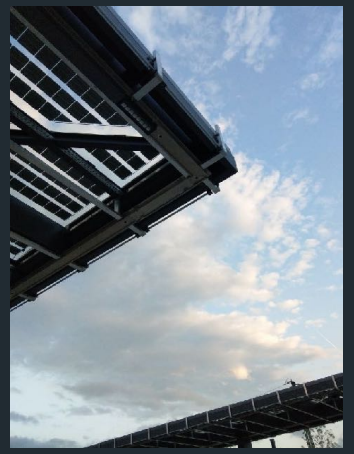


Båstad Tennis Stadium

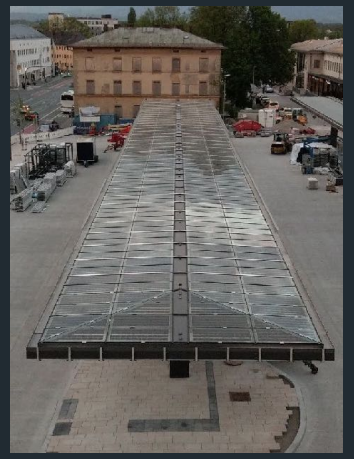




Swedish International Championship



Maastricht







unique triple–side roof installation



panels of any size & shape

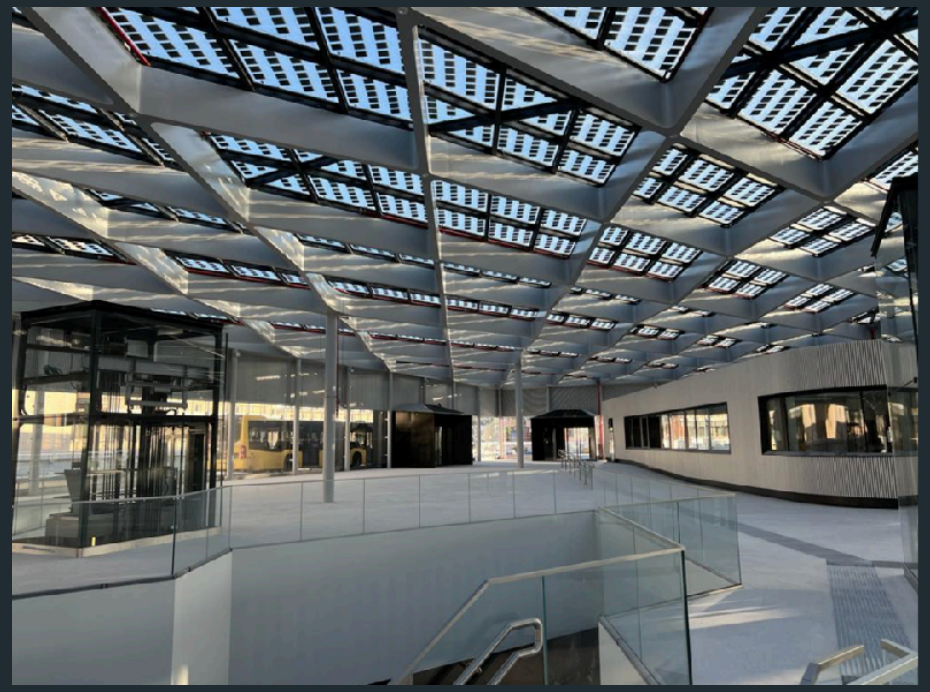


Switzerland



central bus station
8.000 m2
3.560 panels

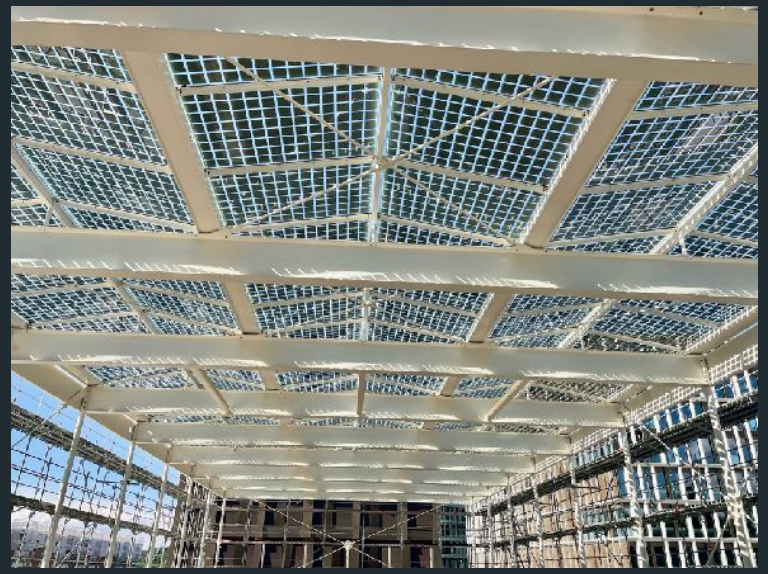
Belgium





Allmend School

Zurich







utrecht central train station











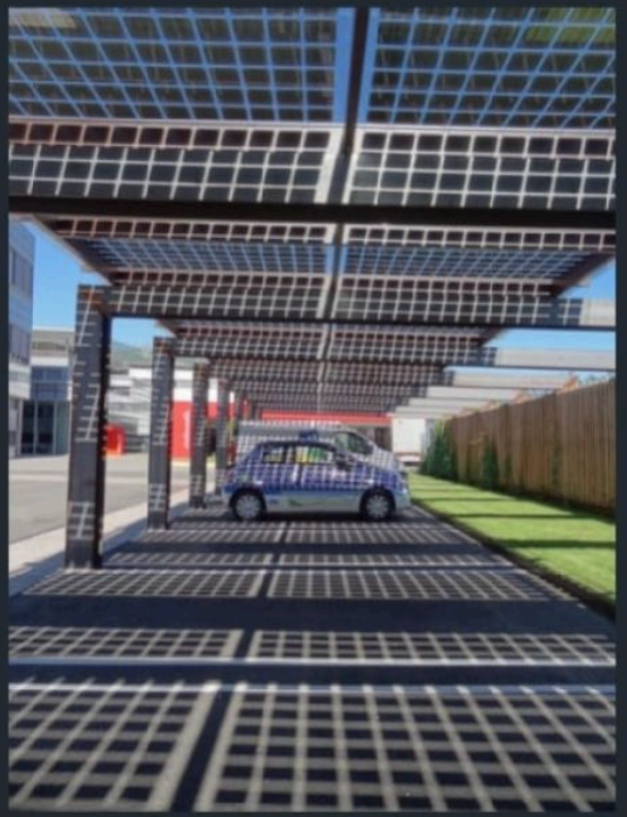


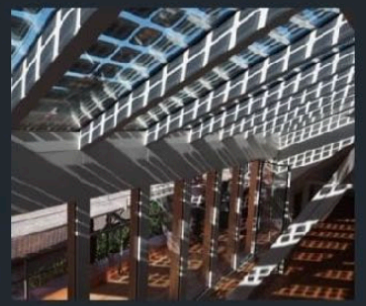
carport





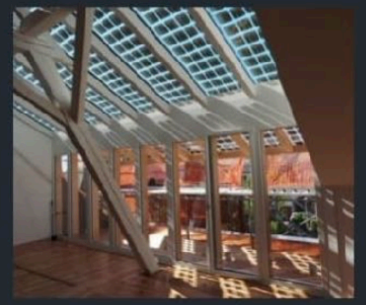





terraces





roof – canopies





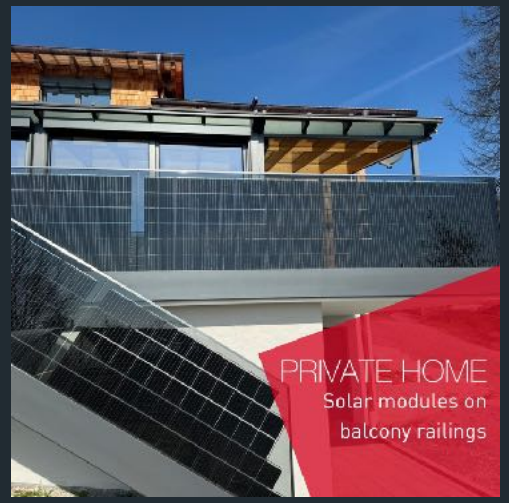

REWE
REWE
REWE
REWE

unique wooden constructions

Installations on roofs and balconies





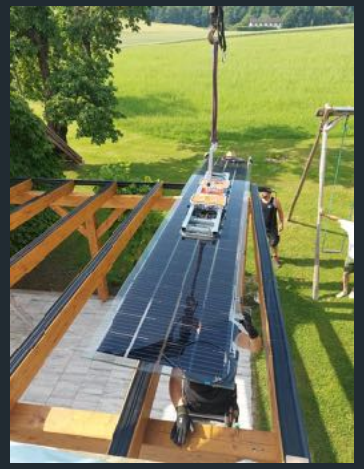


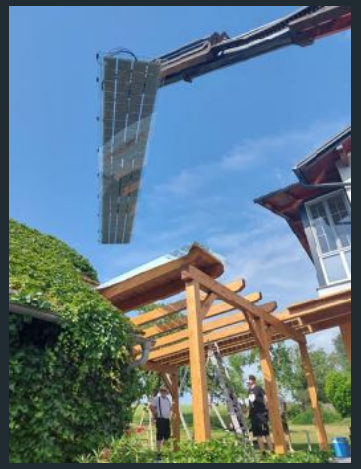
installations on roofs and balconies





unique panels – length 5m







perforated transparency









Unique Projects









unique wooden construction







balconies



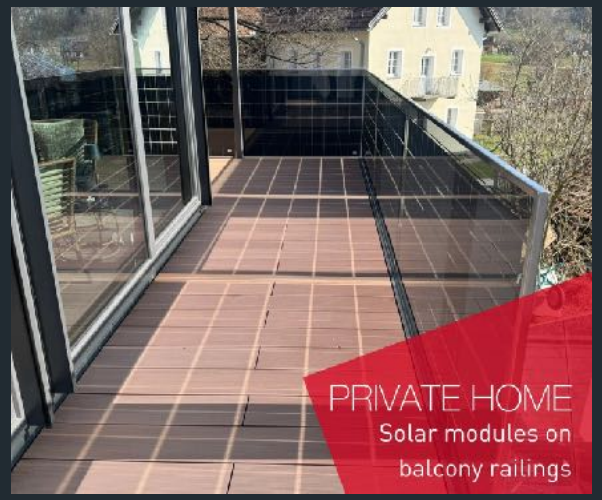

Fence
Rudolfstetten, CH


Fence
Rudolfstetten, CH

fences


Fence
Rudolfstetten, CH

balconies


PRIVATE HOME
Solar modules on
balcony railings


PRIVATE HOME
Solar modules on
balcony railings





fences & balconies





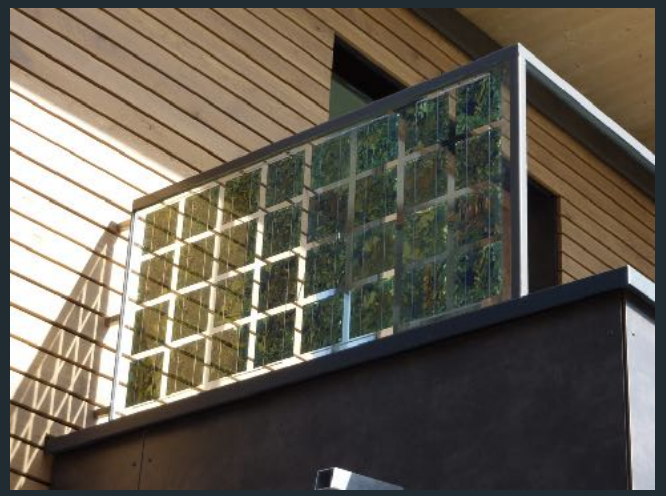


unique flower fence





Country House
transparent flower balcony







leather look



Weisses Schlössli
Davos





Village of Tamins
Switzerland

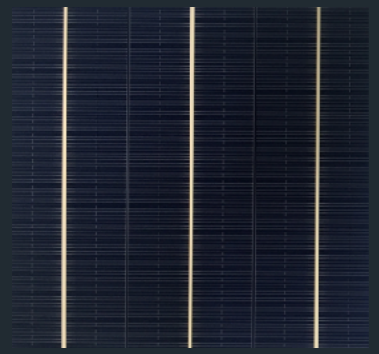
facade & roof installation



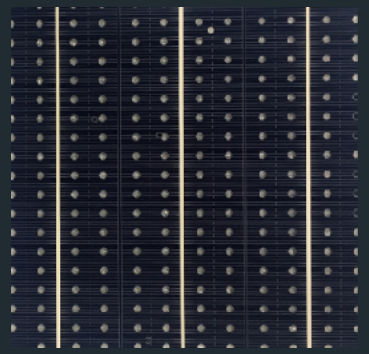
facade panels:
designed by Bruno Krucher



handmade process
unique perforated transparency



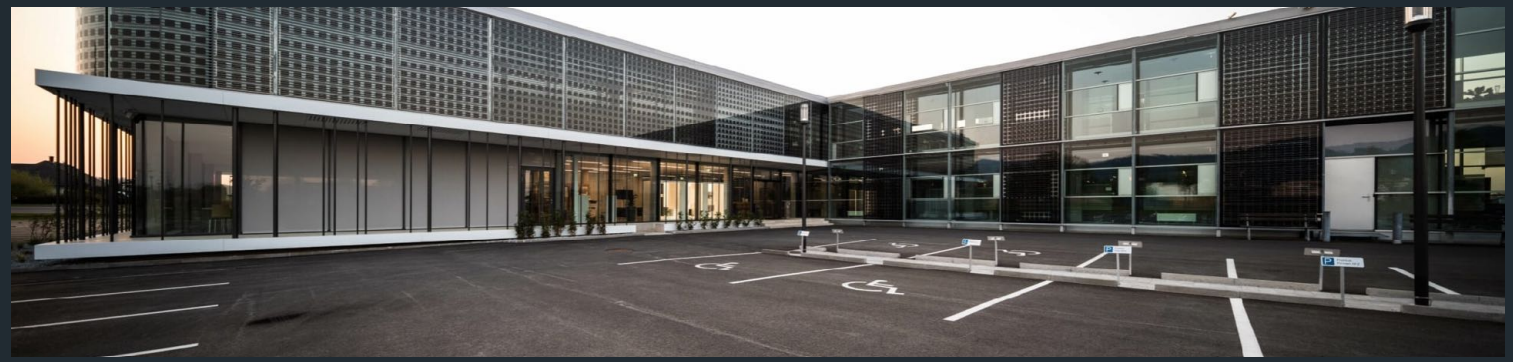
before



after



patented technology

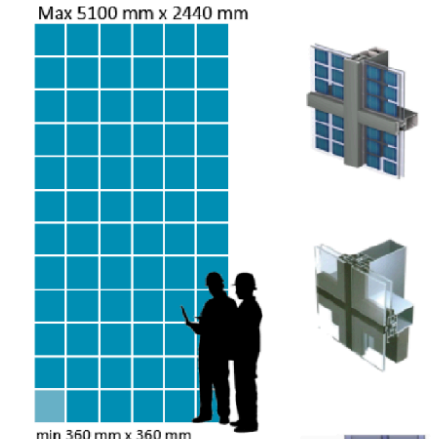





WIEN ENERGIE





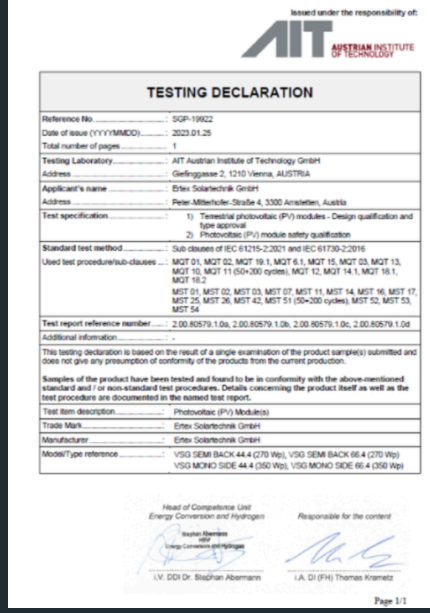

Max 5100 mm x 2440 mm
min 360 mm x 360 mm


Standard–Zellen oder spezielle Designs
Individuelle Zellbelegungen
Verschiedene Formen

certificates

Zertifikate

EN61215-2/EN61730



Issued under the responsibility of:

AIT AUSTRIAN INSTITUTE OF TECHNOLOGY

TESTING DECLARATION

Reference No.	SGP-19922
Date of issue (YYYY/MM/DD)	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	1) Terrestrial photovoltaic (PV) modules - Design qualification and type approval 2) Photovoltaic (PV) module safety qualification
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	

This testing declaration is based on the result of a single examination of the product sample(s) submitted and does not give any presumption of conformity of the products from the current production.

Samples of the product have been tested and found to be in conformity with the above-mentioned standard and / or non-standard test procedures. Details concerning the product itself as well as the test procedure are documented in 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)

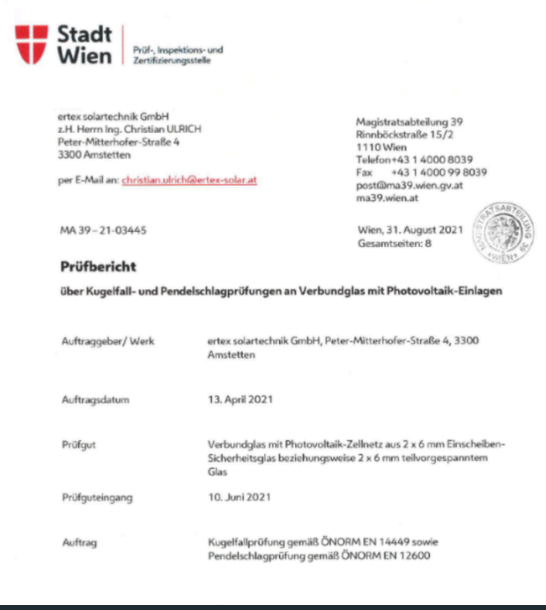
Head of Competence Unit Energy Conversion and Hydrogen — *Responsible for the content*

Stephan Abermann
Energy Conversion and Hydrogen

I.V. DDI Dr. Stephan Abermann — I.A. DI (FH) Thomas Krametz

Page 1/1

Kugelfall / Pendelschlag



Stadt Wien | Prüf-, Inspektions- und Zertifizierungsstelle

ertex solartechnik GmbH
z.H. Herrn Ing. Christian ULRICH
Peter-Mitterhofer-Straße 4
3300 Amstetten

per E-Mail an: christian.ulrich@ertex-solar.at

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Telefon +43 1 4000 8039
Fax +43 1 4000 99 8039
post@ma39.wien.gv.at
ma39.wien.at

MA 39 – 21-03445

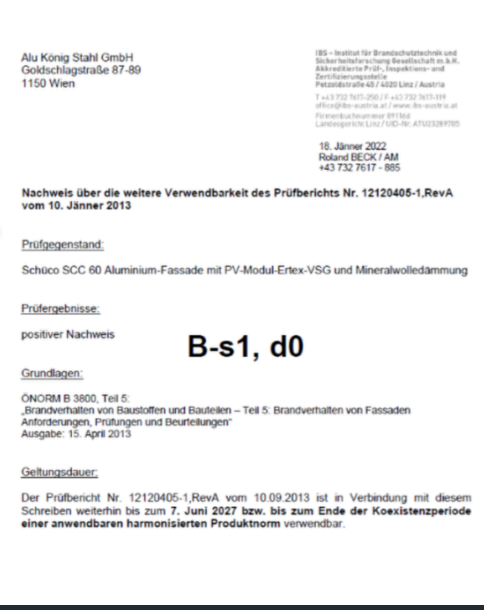
Wien, 31. August 2021
Gesamtseiten: 8

Prüfbericht

über Kugelfall- und Pendelschlagprüfungen an Verbundglas mit Photovoltaik-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 2021
Auftrag	Kugelfallprüfung gemäß ÖNORM EN 14449 sowie Pendelschlagprüfung gemäß ÖNORM EN 12600

FEUER PRÜFUNG



Alu König Stahl GmbH
Goldschlagstraße 87-89
1150 Wien

IBS – Institut für Brandschutztechnik und Sicherheitsforschung Gesellschaft m.b.H.
Akkreditierte Prüf-, Inspektions- und Zertifizierungsstelle
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T +43 732 7615-250 | F +43 732 7615-319
office@ibs-austria.at | www.ibs-austria.at
Firmenbuchnummer 89116d
Landesgericht Linz | UID-Nr. ATU23289705

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**

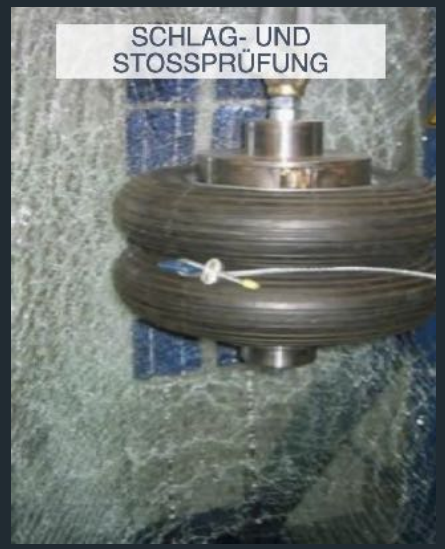
Grundlagen:

ÖNORM B 3800, Teil 5:
„Brandverhalten von Baustoffen und Bauteilen – 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

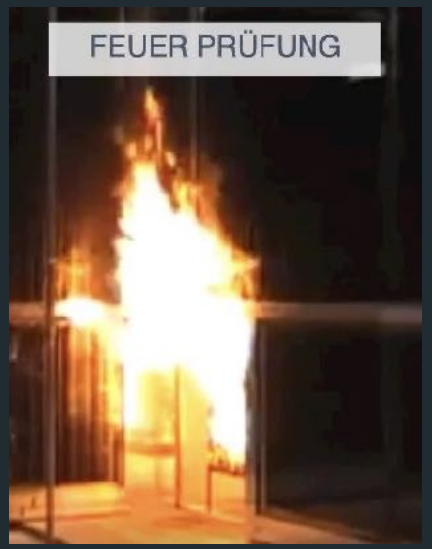


extreme hail test

Ice Ball
Diameter 70mm – Speed 110km/h



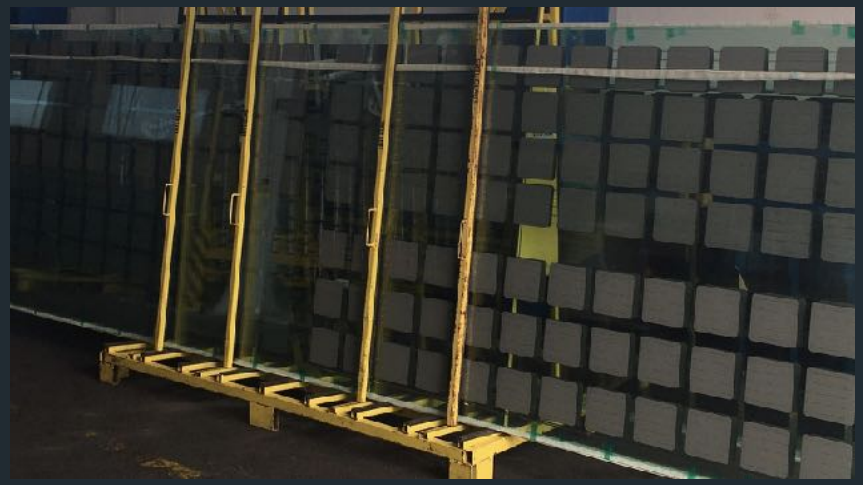
extreme fire test





5,100 x 2,440 mm

world record





unique huge
custom–made panels
for special projects

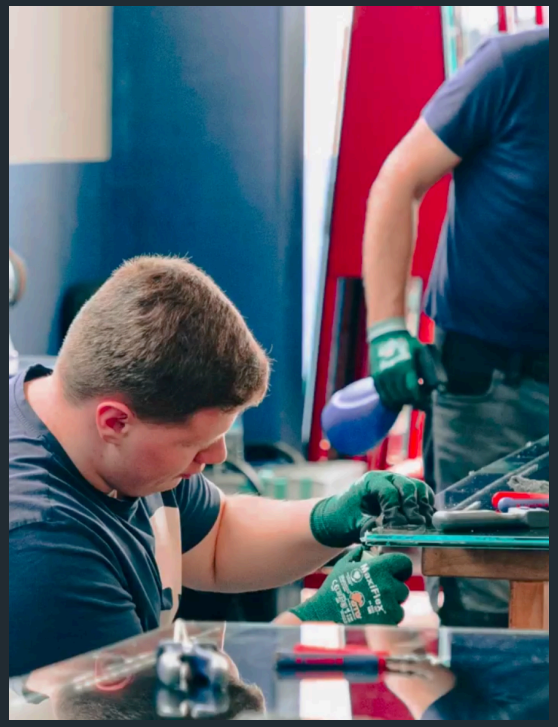


a new tailor–made
lamination production line
to manufacture the world's only
100% handcrafted solar panels.

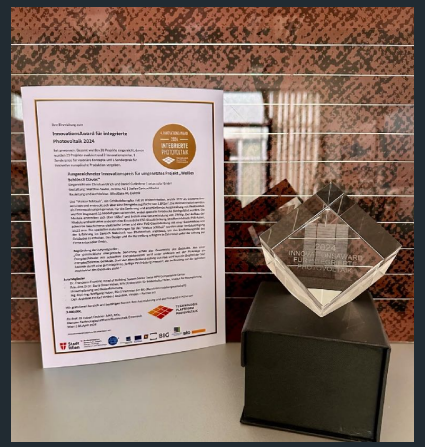












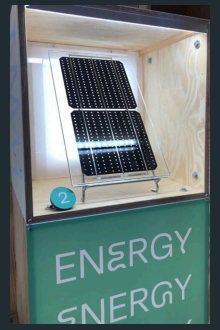
Quality & Innovation Awards







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

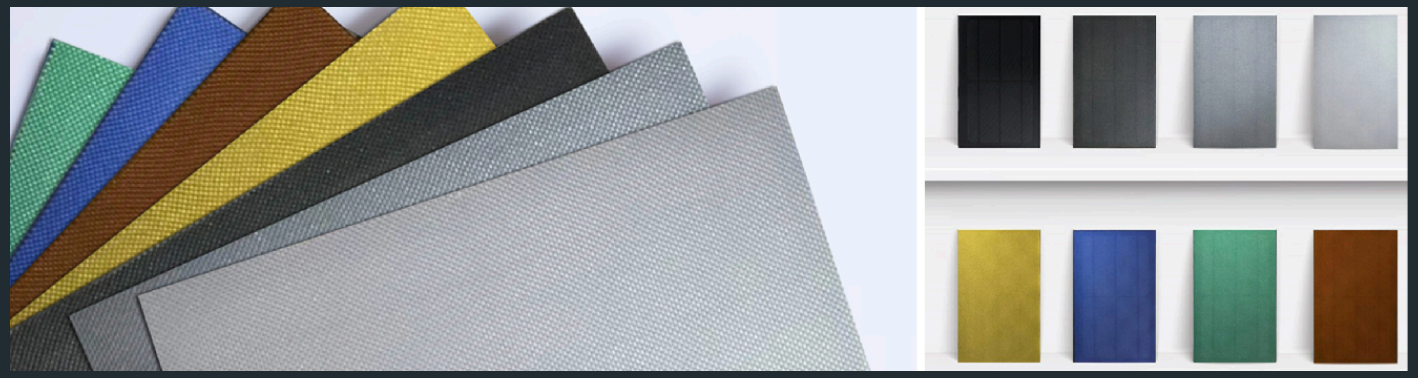


Dubai

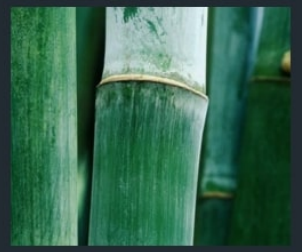


unique range of sizes, surface finishes and different colours

unique colour palette to meet your architectural challenges





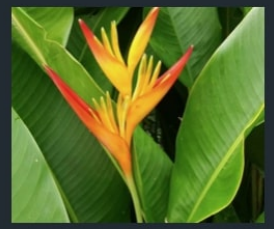



Unique Bamboo Look



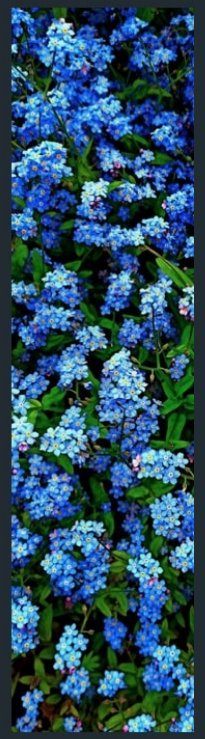







Unique Flower Look

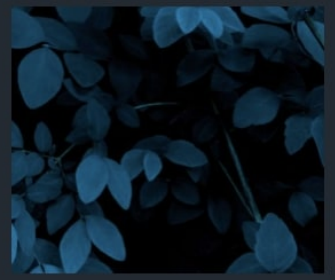




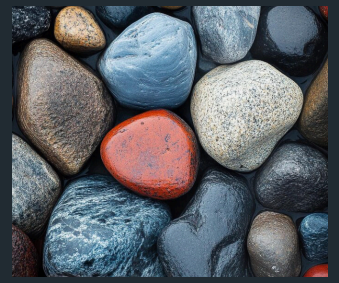


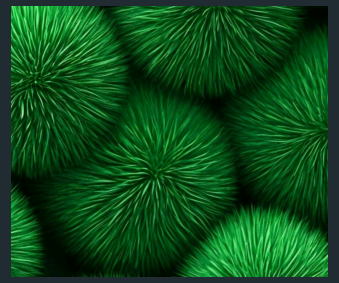


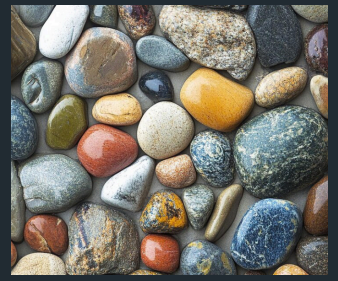
Unique Flower Look

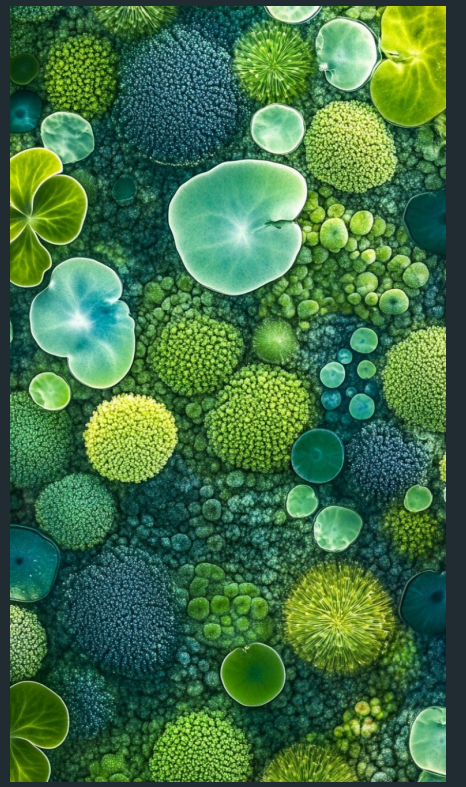










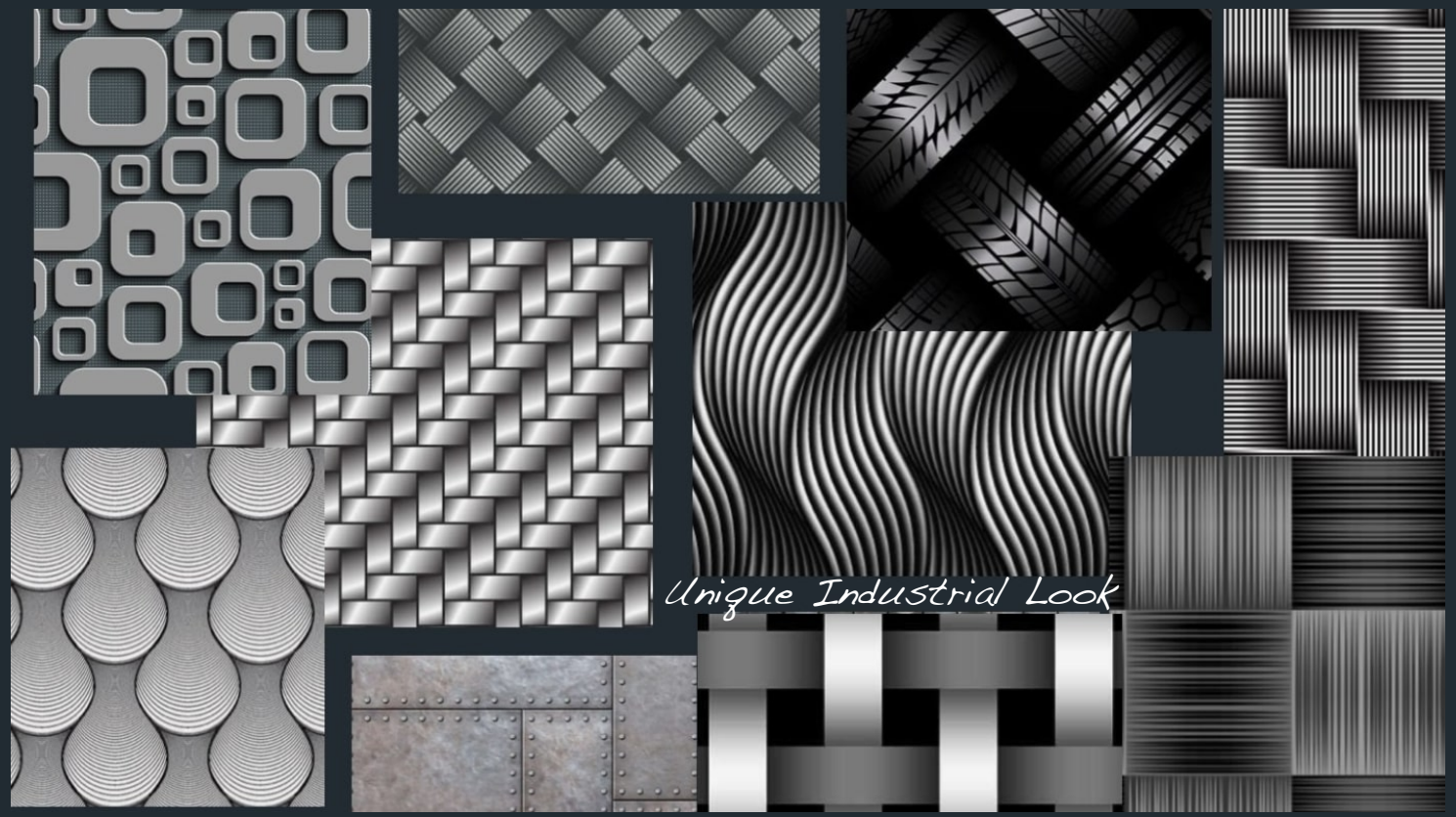
Unique Nature Look


Unique Solar Panels
with Natural Wood Look

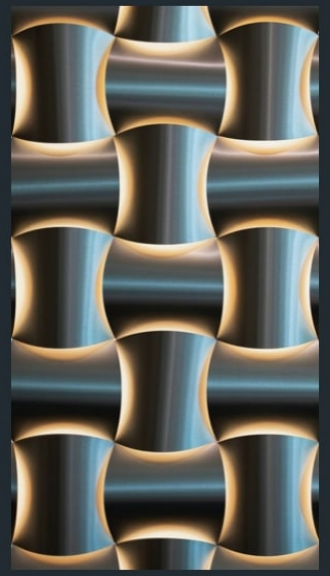

Natural Wood Look

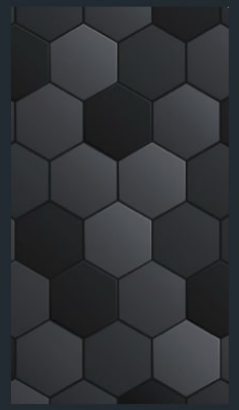

Unique Solar Panels
with Natural Rock and Stone Look

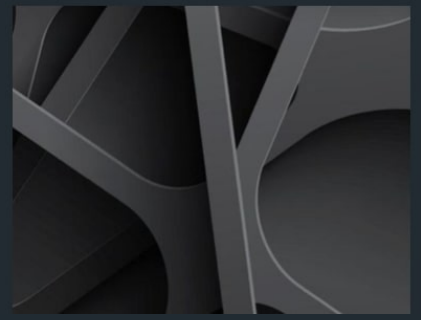

Unique Solar Panels
with Genuine Leather Look


Unique Industrial Look



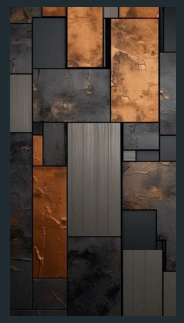


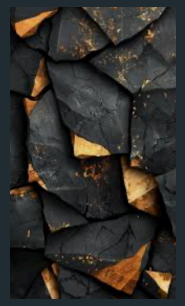




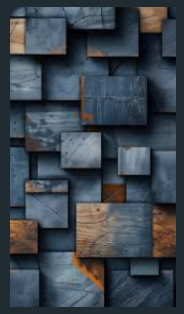
Unique Industrial Look

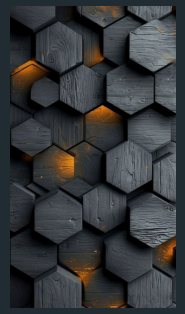


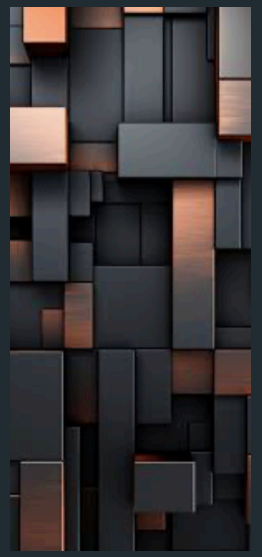


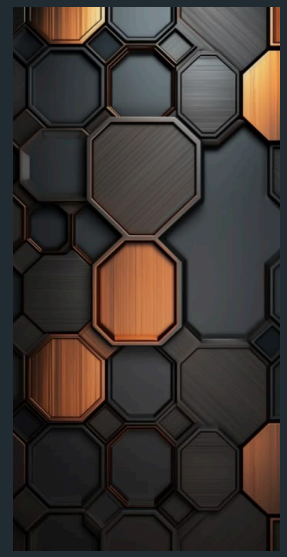


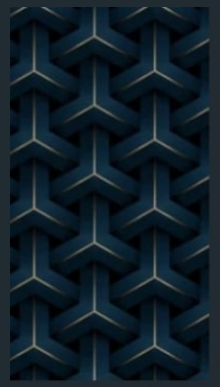
Modern Pattern Look



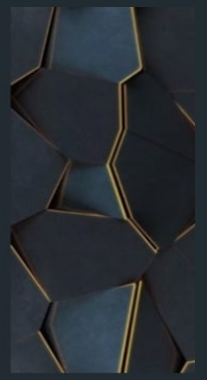




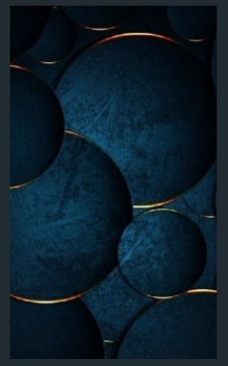
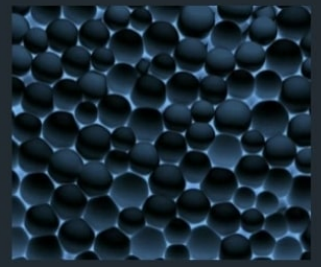








Modern Pattern Look

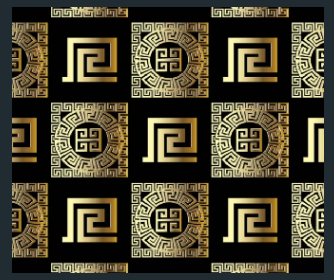


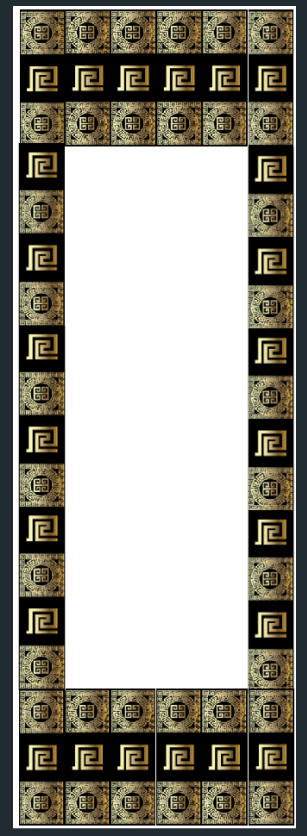


Unique Golden Look







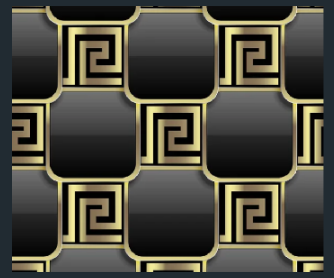


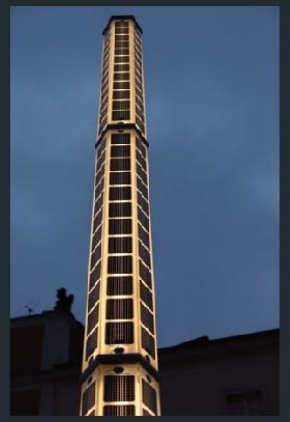
Modern Meander

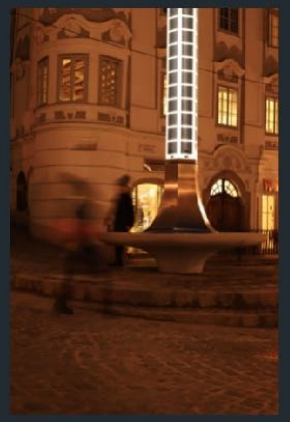
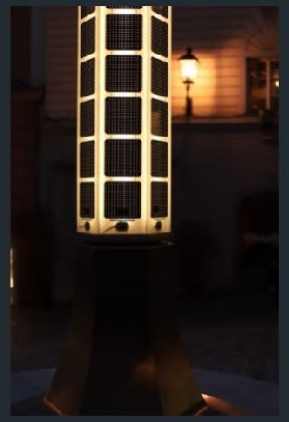
award-winning design by Gianni Versace

special design for an iconic hotel





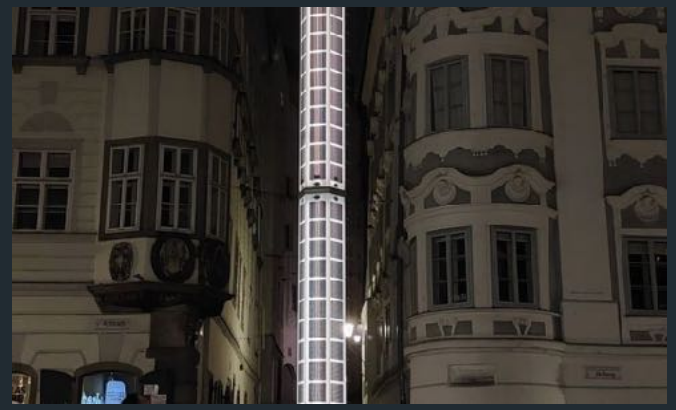


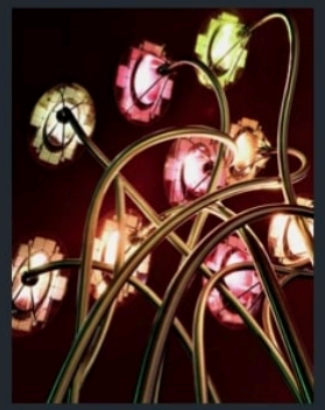


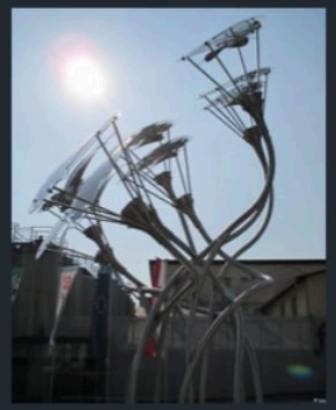
Lichtbrunnen

Linz – Austria



Sonnenblumen





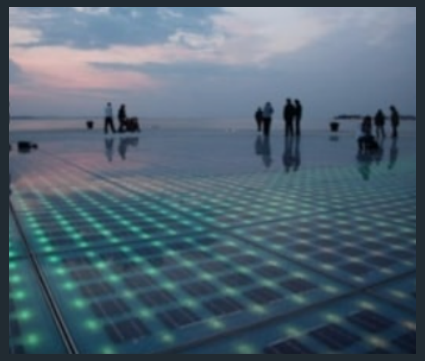




Linz – Austria



ultra–modern museum
Bremerhaven
Germany



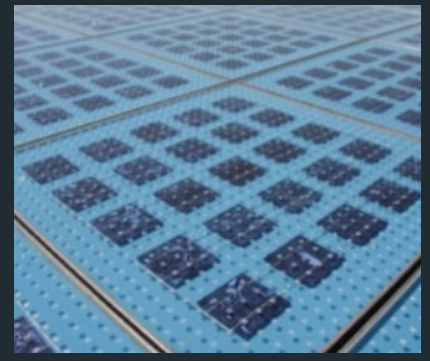




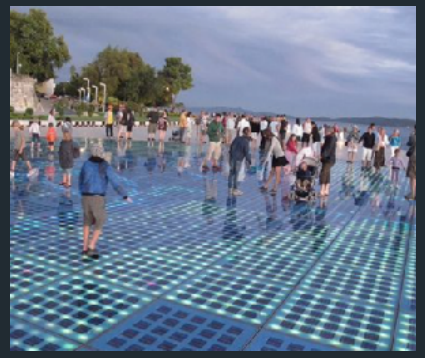
art & technology





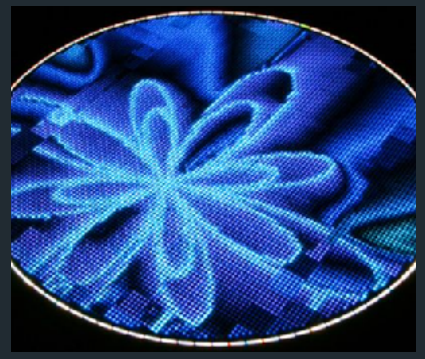




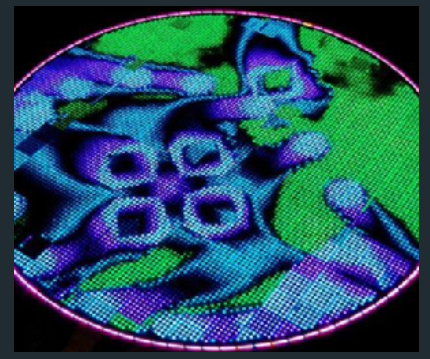




art & technology








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)



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3095 Limassol

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Greece

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p: +30 211 770 7112

Athens Warehouse
GR – 19400
Athens International Airport
Attiki Odos (Exit Local Roads)

Thessaloniki Warehouse
GR – 57009
National Road