facadetextile
INTERNATIONAL

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Tensioning Systems

+41 79 137 81 59
www.facade-textile.com

FACADE TEXTILE INTERNATIONAL

International supplier of tensioning products and patented solutions for textile facades applications.

Bioclimatic facades
Lightweight architecture
International Network
Greentech Technology
Patented Systems

Services :

- Facade design & implementation services
- Mechanical engineering solutions
- Cleaning and maintenance solutions
- On-line monitoring

Structure :

- Qualified international & multidisciplinary team
- International network

Policy :

Locally produced and licensed systems to :
- Minimize the impact caused by air and sea shipping
- Reduce CO2 emissions as well as costs and delays.

Network :

References :

SAFRAN AIRBUS MW.FA WILMOTTE & ASSOCIÉS gehry partners

THE FUTURE OF FACADES IS TEXTILE !

Textile Facades are an exciting and cost-effective architectural application to aesthetically transform and enhance the look of any building.

It consists of tensioned fabric or flexible membrane material that acts as a second skin to a building's exterior.
It's an innovative, cost-effective and eco-friendly alternative to the traditional metal mesh facade screens.

Due to the lightweight nature of fabric membrane, tensile facades are often the ideal choice because they can span longer distances with less structural support compared to conventional building products which make it an affordable and innovative solution.

SKY IS THE LIMIT !

This expanding technology gives the architects the possibility to stretch the limit and turn into reality their outstanding facades ideas.

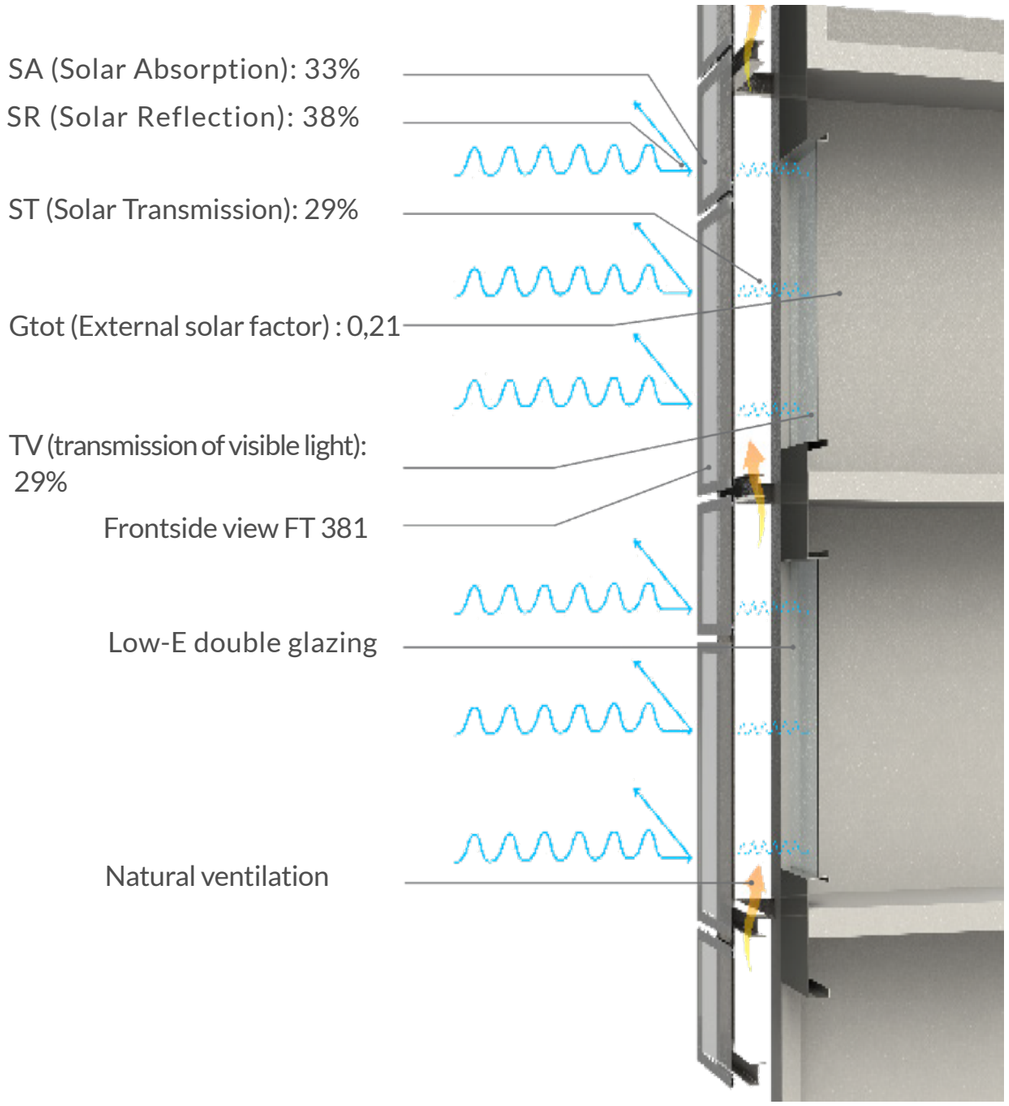
It responds to the simplest and most refined shapes besides to the complex parametric architecture configurations.

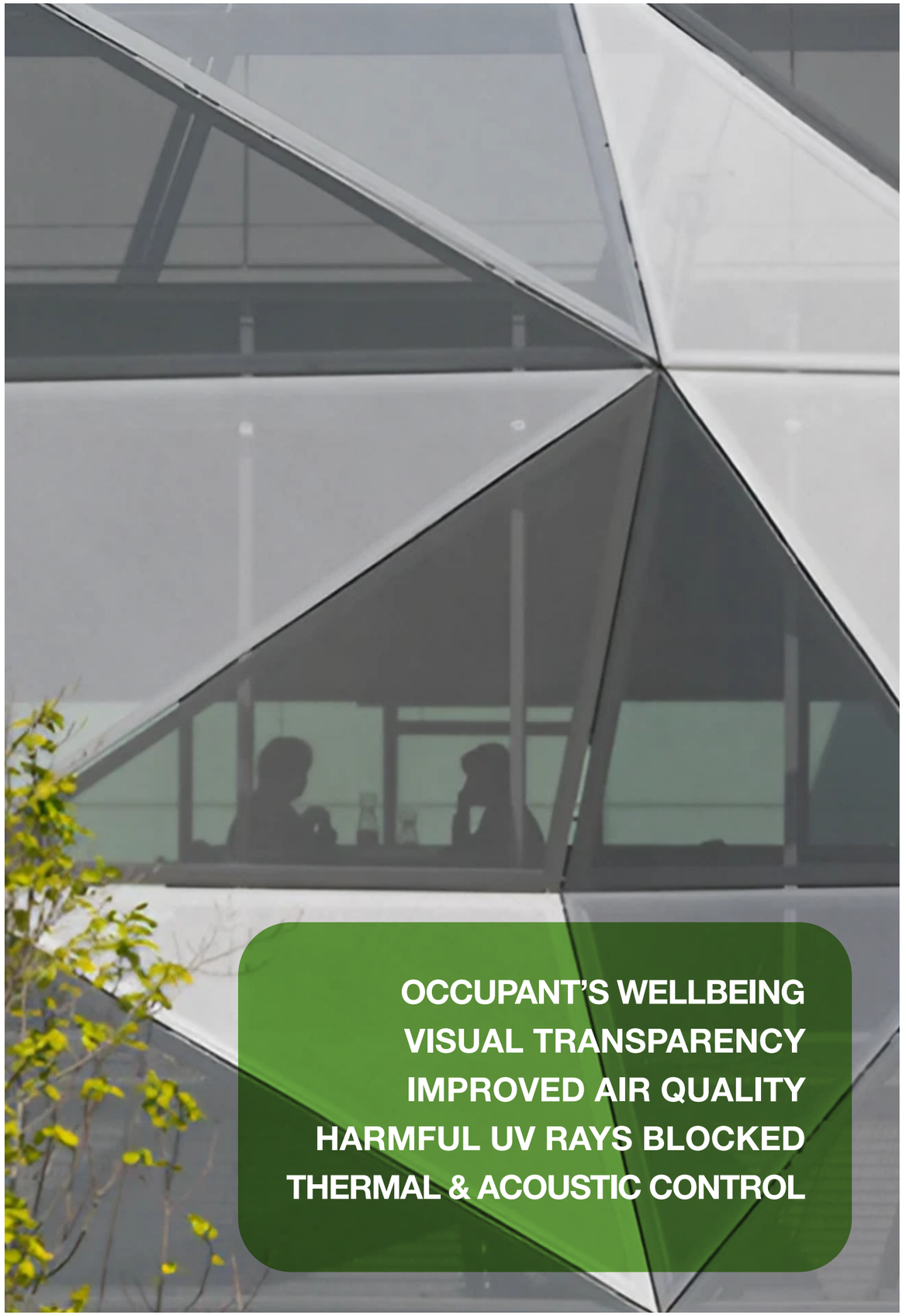
The unlimited design options also give the opportunity to revamp an older building with a modern look and create a branded design.

In both renovation and new construction, the bioclimatic facade asserts itself as a responsible and eco friendly method.

Bioclimatic textile architecture is the **future** !

Used as solar and thermal protection, the bioclimatic facade strongly contributes to the improvement of the energy balance of buildings while enhancing the transmission of natural and homogeneous light.





THE MEMBRANE
FRONT SIDE VIEW 381

Serge Ferrari

A UNIQUE SOLUTION TO ASSERT OR TRANSFORM A BUILDING'S PERSONALITY

A mesh for textile facades to preserve outward visibility. In new-build and renovation projects, it reduces heat inside the building.

BROCHURE HERE

IN FEW WORDS ...

. Advanced technology
. Lightweight and flexible, facilitating easy installation and the creation of complex architectural shapes.
. Exceptional resistance to weather, UV rays, tearing, and abrasion.
. Smooth and homogeneous surface ensuring optimal transmission of natural light.
. Protection against harmful solar rays: Visual Comfort.
. Promotes optimal use of natural lighting, reducing energy consumption.
. Enhanced thermal comfort: reduces air conditioning usage.
. Good fire resistance, ensuring safe use.
. Highly performing technical solution for demanding architectural applications.
. Reduced carbon footprint through improved energy efficiency and responsible material management.
. 10-year warranty | 100% recyclable | Average lifespan: 20 years.

VARIOUS COLOURS | PRINTABLE

	LIGHTNESS 550g/m²		DURABLE RESISTANCE		OCCULTATION 70 %		VISUAL TRANSMISSION INT / EXT 80 %
	THERMAL COMFORT 81% solar heat blocked		FIRE RESISTANCE B-S2-D0		CERTIFIED TECHNOLOGY FOR CYCLONIC ZONES		REDUCED CARBON FOOTPRINT
	EASY CLEANING & MAINTENANCE		LIFE CYCLE AVERAGE: 20 YEARS		10-YEAR WARRANTY		100% RECYCLABLE

THE FTI TECHNOLOGY

▪ Lightness :

FTI textile panels are made of:

- An openwork composite membrane that weights 550 g/m².
- Aluminum profiles with an average weight of 2.2 kg/ml.

A panel of 2.50 m x 6 m has a total weight of 3.7 kg/m².
FTI textile panels contribute to a lighter and unlimited architectural design.

▪ Resistance

The tensile strength of the composite membranes reaches 6.6 T/ml.

The tensile strength of the FTI tensioning system can reach 4.2 T/ml.

▪ Flexibility & creativity :

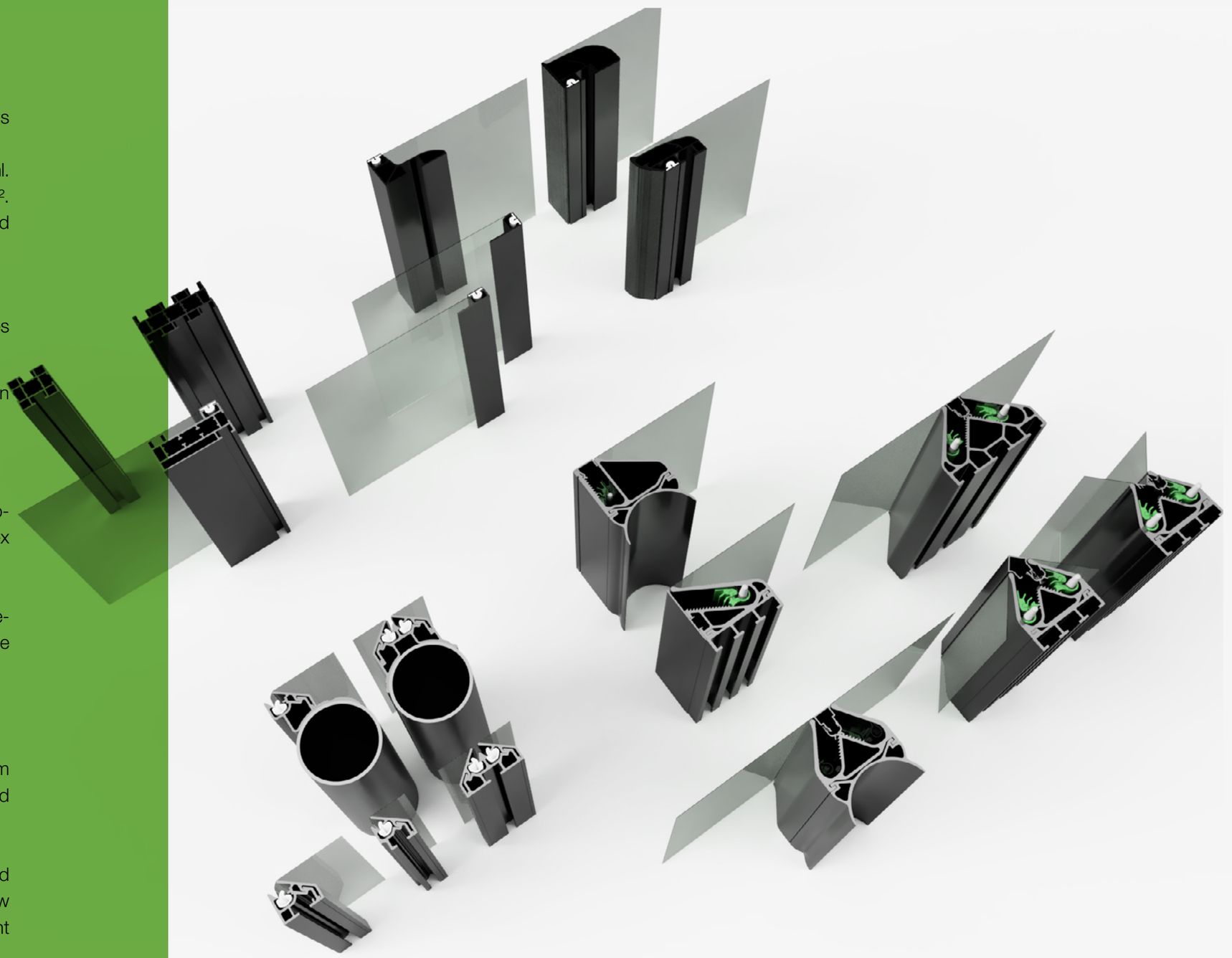
The FTI tensioning technology responds to the simplest and most refined shapes besides to the complex parametric architecture configurations.

The unlimited design options give the opportunity to revamp an older building with a modern look and create a branded design.

▪ Sustainability :

A textile facade equipped with a Solar Skin system combined with a PTFE membrane offers a guaranteed durability of up to 25 years.

The design of the aluminum profiles of the Aero and Solar Skin ranges is developed to optimize the flow of rainwater and thus favor the removal of stagnant particles.
The structure is easily maintained and remains clean longer.



The Amazing Walk - Italy

CLADDING
FACADES

SELF-SUPPORTING, PRE-ASSEMBLED & PRETENSIONED TEXTILE PANELS

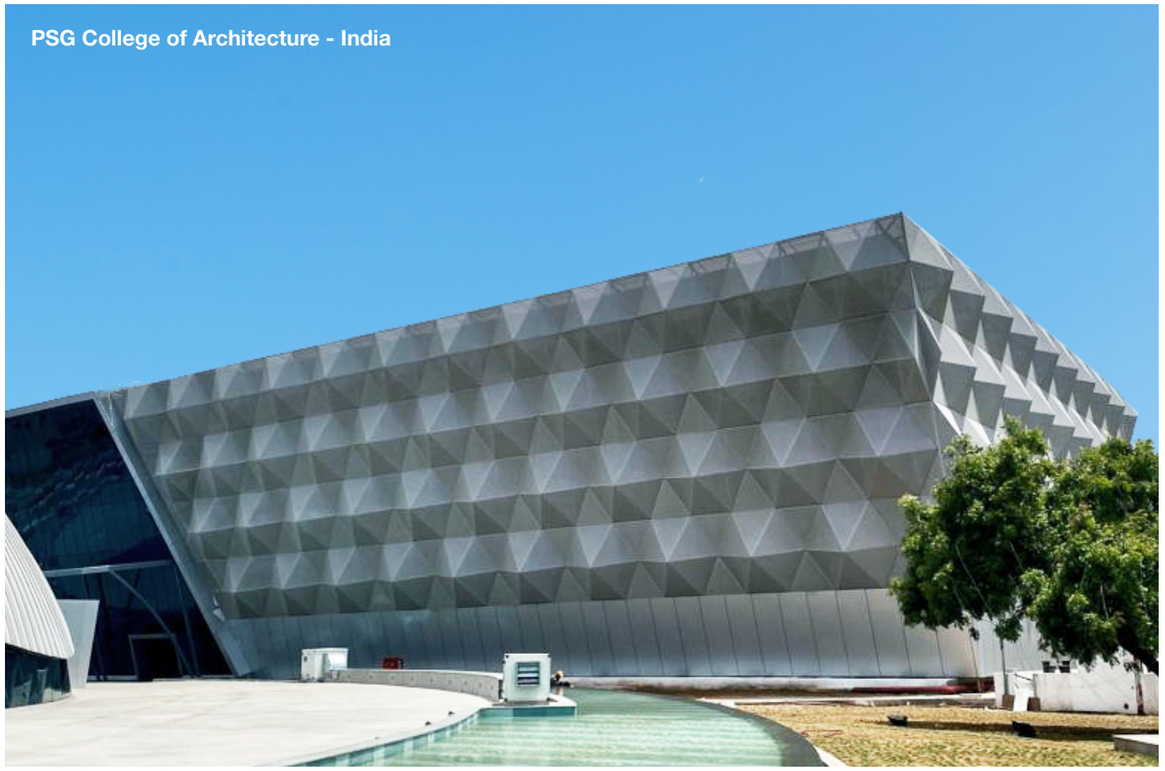
In this configuration, the profile takes up the tension of the fabric and the load-bearing structure takes up the load of the panels that measure, on average, 2 m x 5 m.

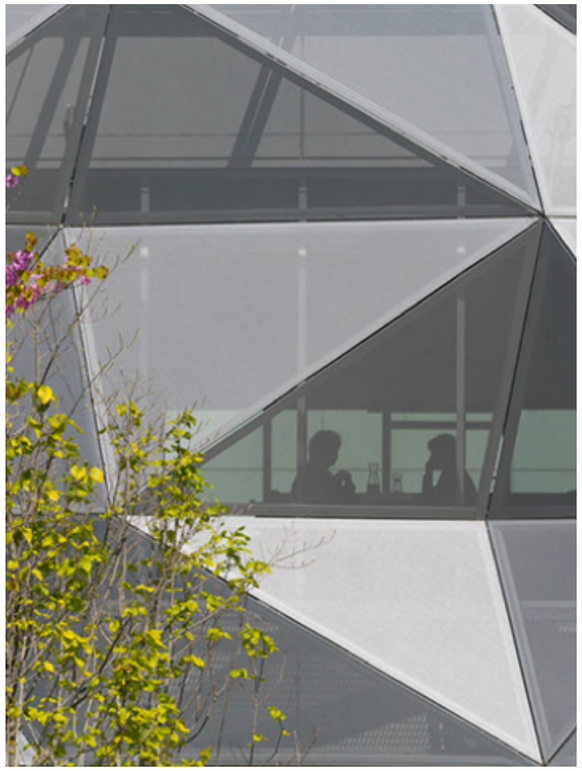
Goodman Business Park - Japan

CLADDING FACADES

EXAMPLES OF PROJECTS

TACKLE CHALLENGES WITH THREE DIMENSIONNAL TEXTILE CLADDINGS !





AERO A

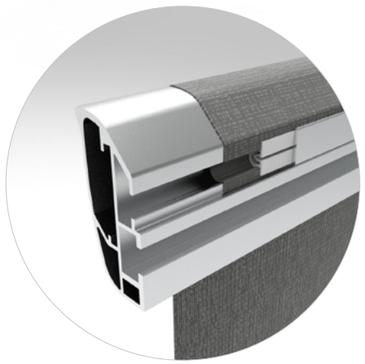
BROCHURE HERE

A SELF-SUPPORTING, PRE-ASSEMBLED & PRE-TENSIONED SOLUTION TO TAKE UP THREE DIMENSIONNAL CHALLENGES !

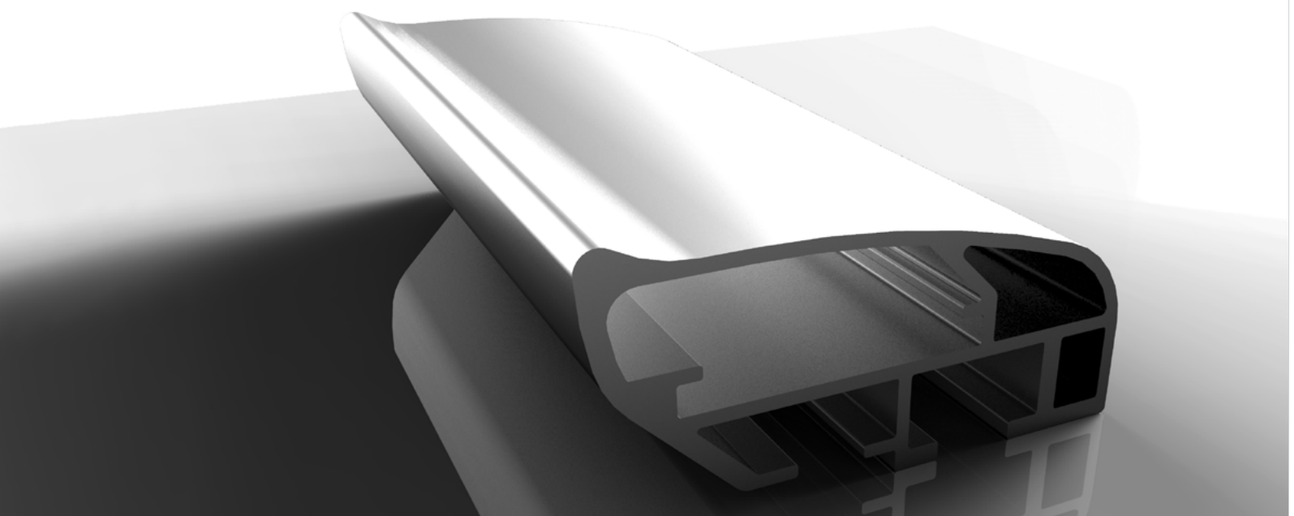
Aero A profile is the perfect fit for three-dimensional textile facades. It is the product behind the iconic Airbus Campus facades in Toulouse.

Its innovative design was driven by the requirements of the aforementioned project, resulting in a highly aerodynamic shape, and a self-cleaning dirt-proof section.

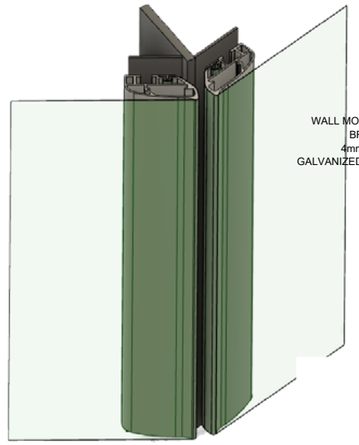
EYE-PLEASING SMOOTH FLATLESS DESIGN

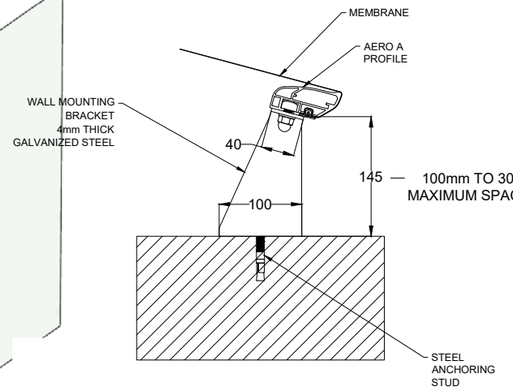


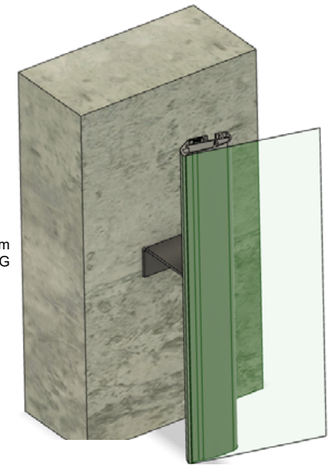
WIND RESISTANCE 250 Km/h | 3D SHAPES | TEARING 4,2T/lm | SURFACE 10 m²/frame | 100% RECYCLABLE | PATENTED SYSTEM

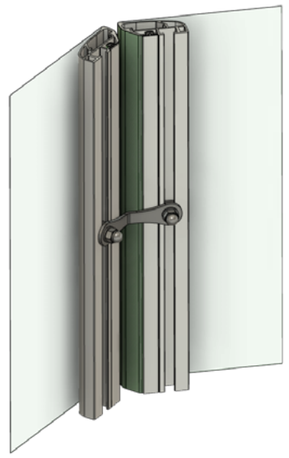


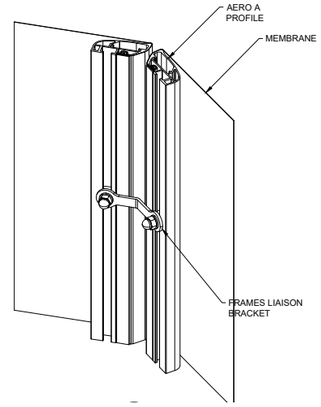
MOUNTING CASES

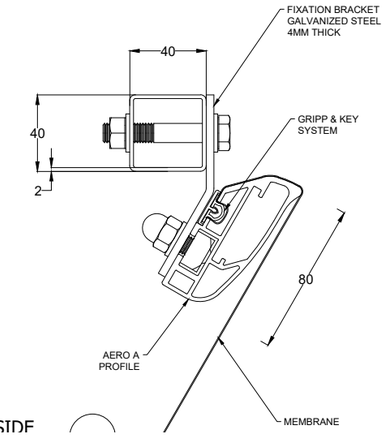


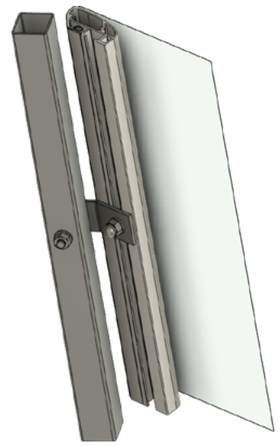


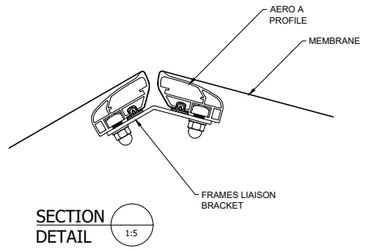












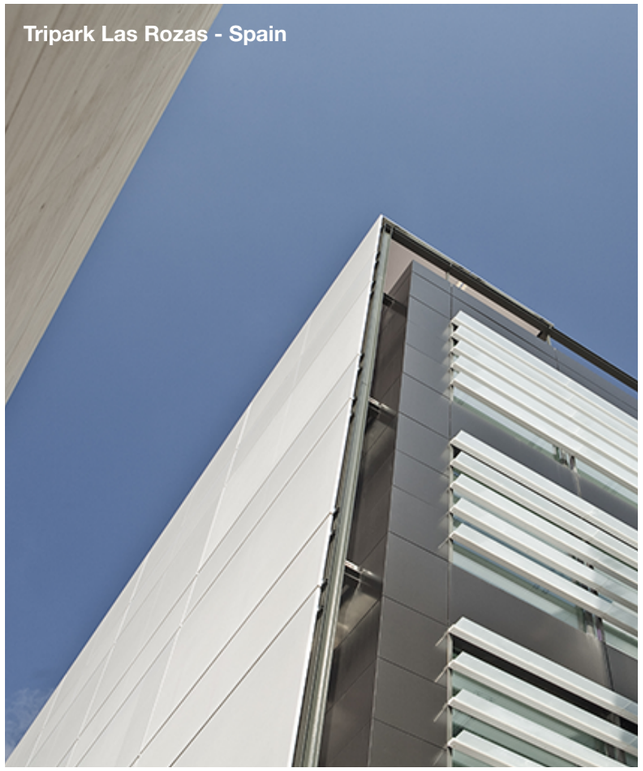
CLICK & VIEW

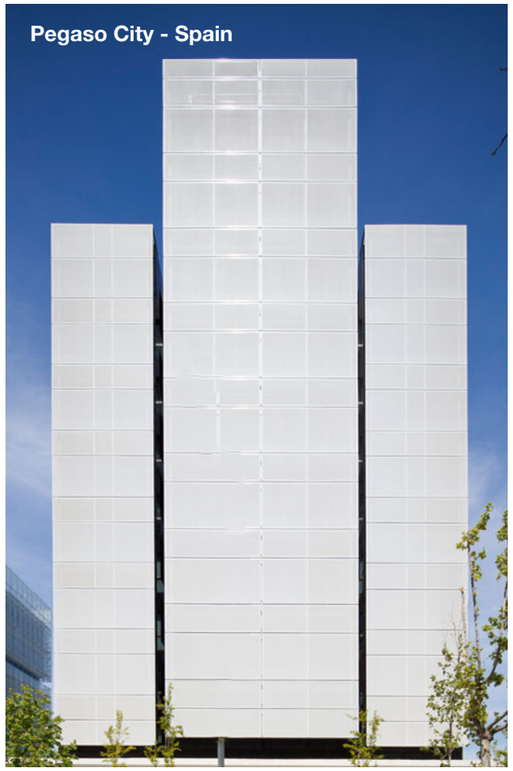
AERO A - Mounting Principle

www.facade-textile.com

FACADES CLADDING

EXEMPLE OF PROJECTS


Tripark Las Rozas - Spain


Pegaso City - Spain

Safran Car Park - France

AERO S

City Moda - Italy


Midtown 5 Miami - USA

FACADES CLADDING

EXEMPLE OF PROJECTS

TAKE
FACADE RENOVATIONS
TO THE NEXT LEVEL

NR Car Service - Italy

AERO S

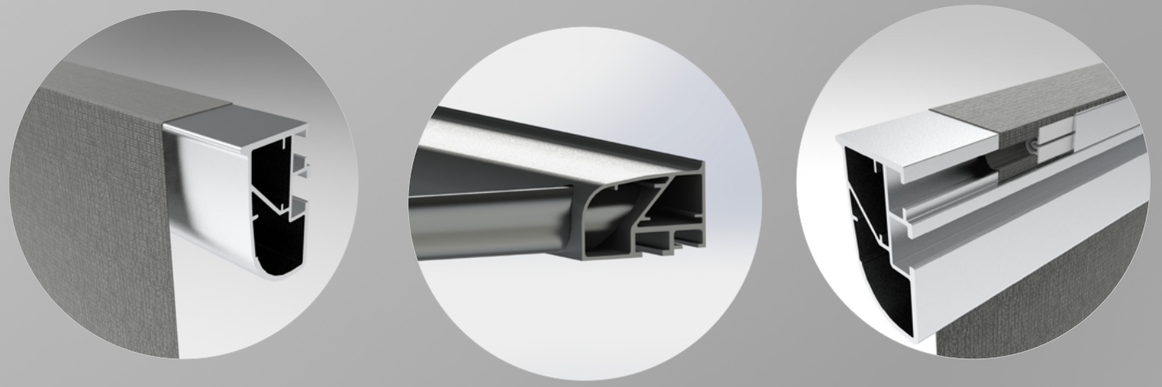
Westhills Medical Center - USA

AERO S

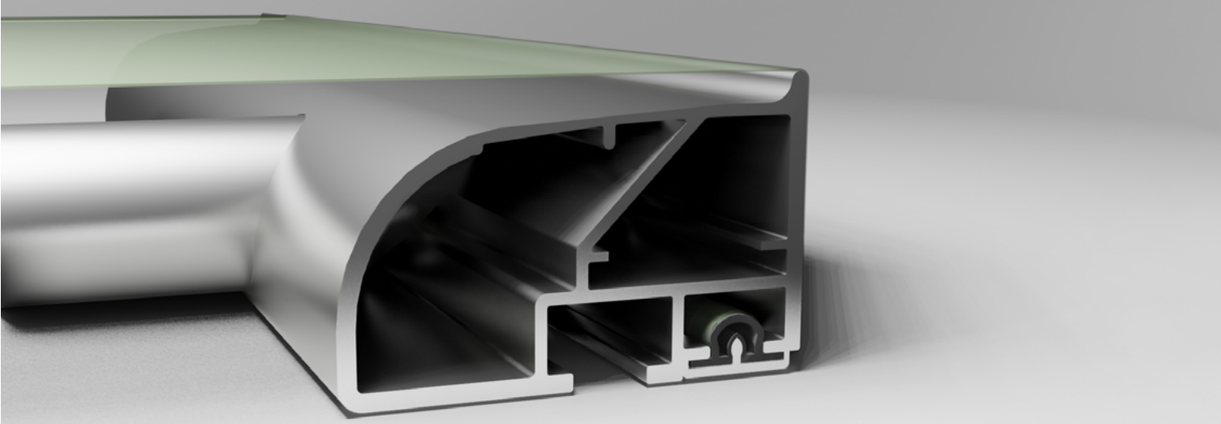
VERSATILE, SMART & RELIABLE !

Aero S embodies FTI know-how and expertise, doubles-down on our renowned versatility, reliability and robustness, and integrates new design-enabled features, such as self-cleaning capabilities and invisible front framing.

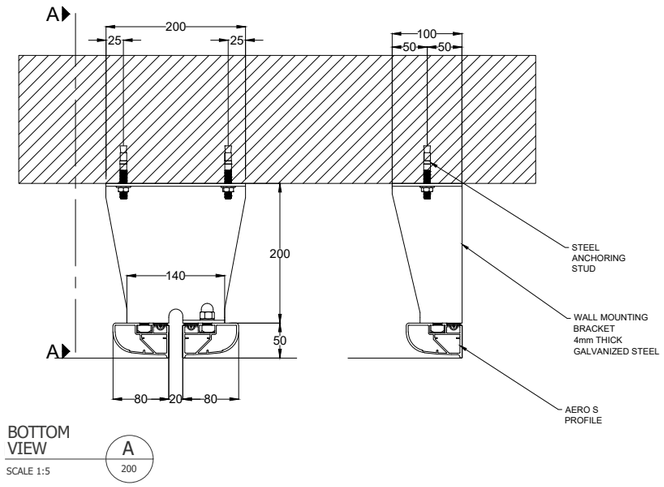
BROCHURE HERE



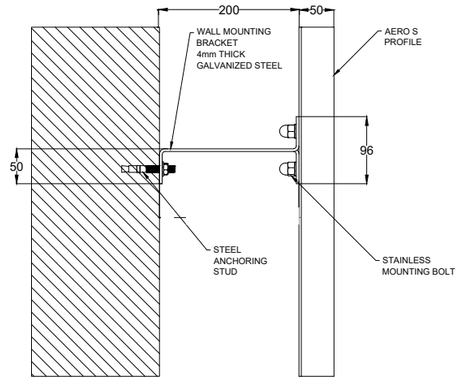
WIND RESISTANCE 250 Km/h | MODULAR FACADES | TEARING 4,2T/lm | SURFACE 20 m²/frame | 100% RECYCLABLE | PATENTED SYSTEM



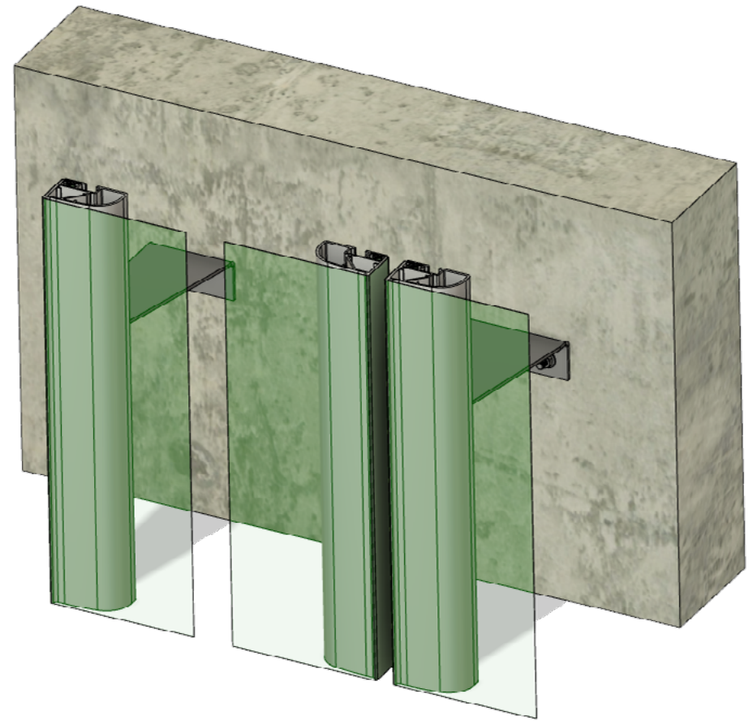
MOUNTING CASES



BOTTOM VIEW A 200
SCALE 1:5



SECTION A-A 200
SCALE 1:5



CLICK & VIEW
AERO S - Wall Mount
www.facade-textile.com

CLICK & VIEW
AERO S - Front Mount
www.facade-textile.com

FACADES CLADDING

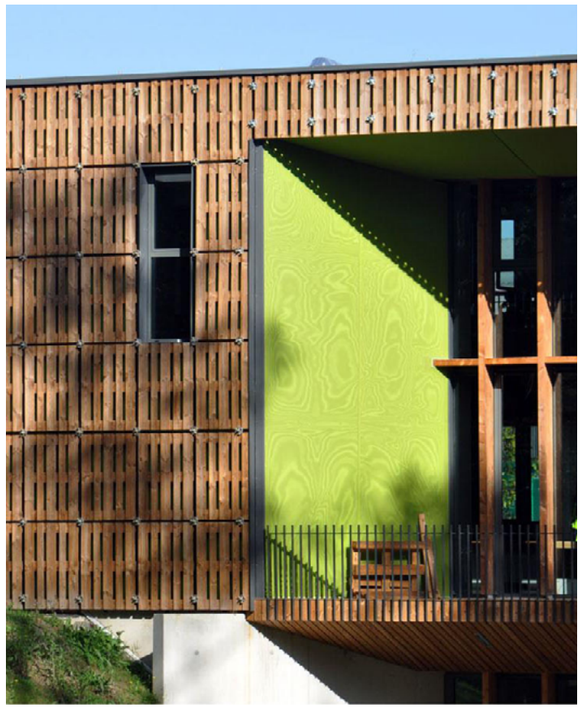
EXEMPLE OF PROJECTS

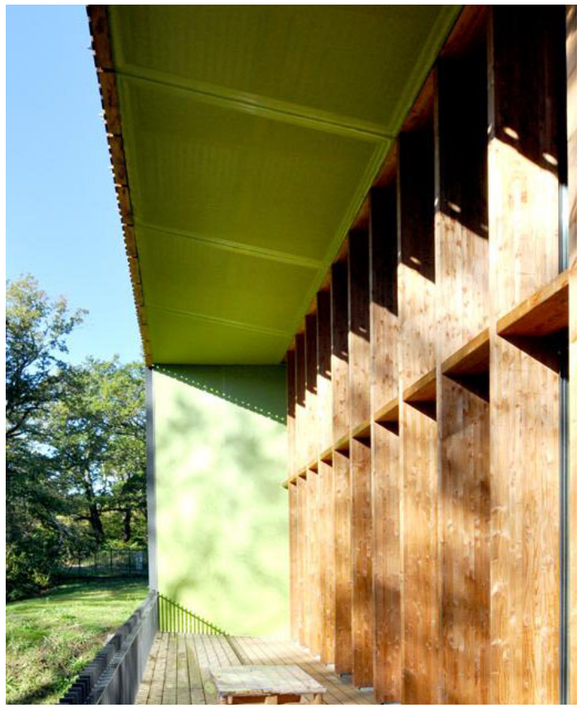
▪ PRINTED FACADE

COURT OF APPEAL
Martinique

▪ TIMBER-FRAME CONSTRUCTION

RECYCLING CENTER BIL TA GARBI
Bayonne - France



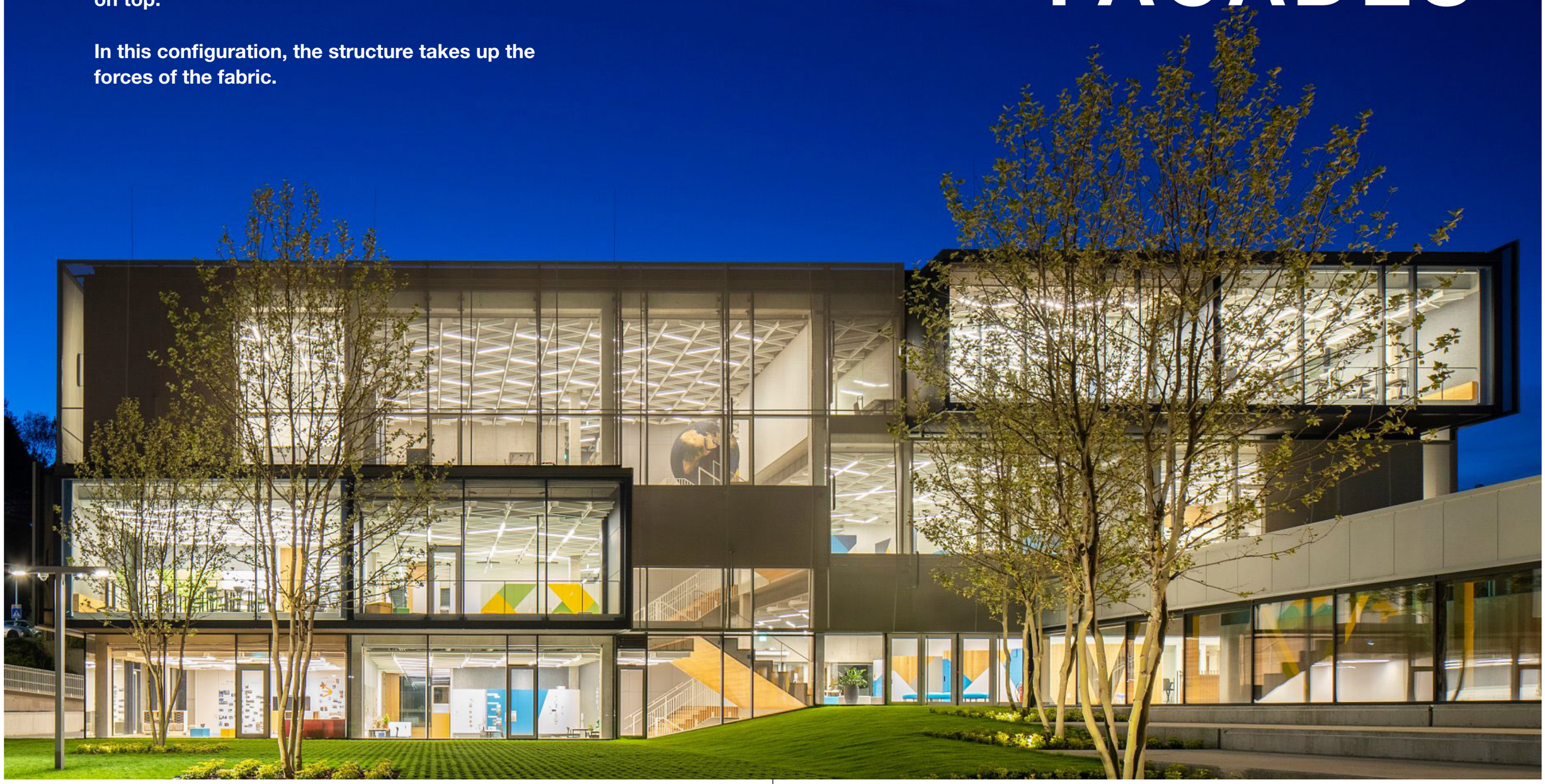


Gulliver School - Slovakia

COVERING FACADES

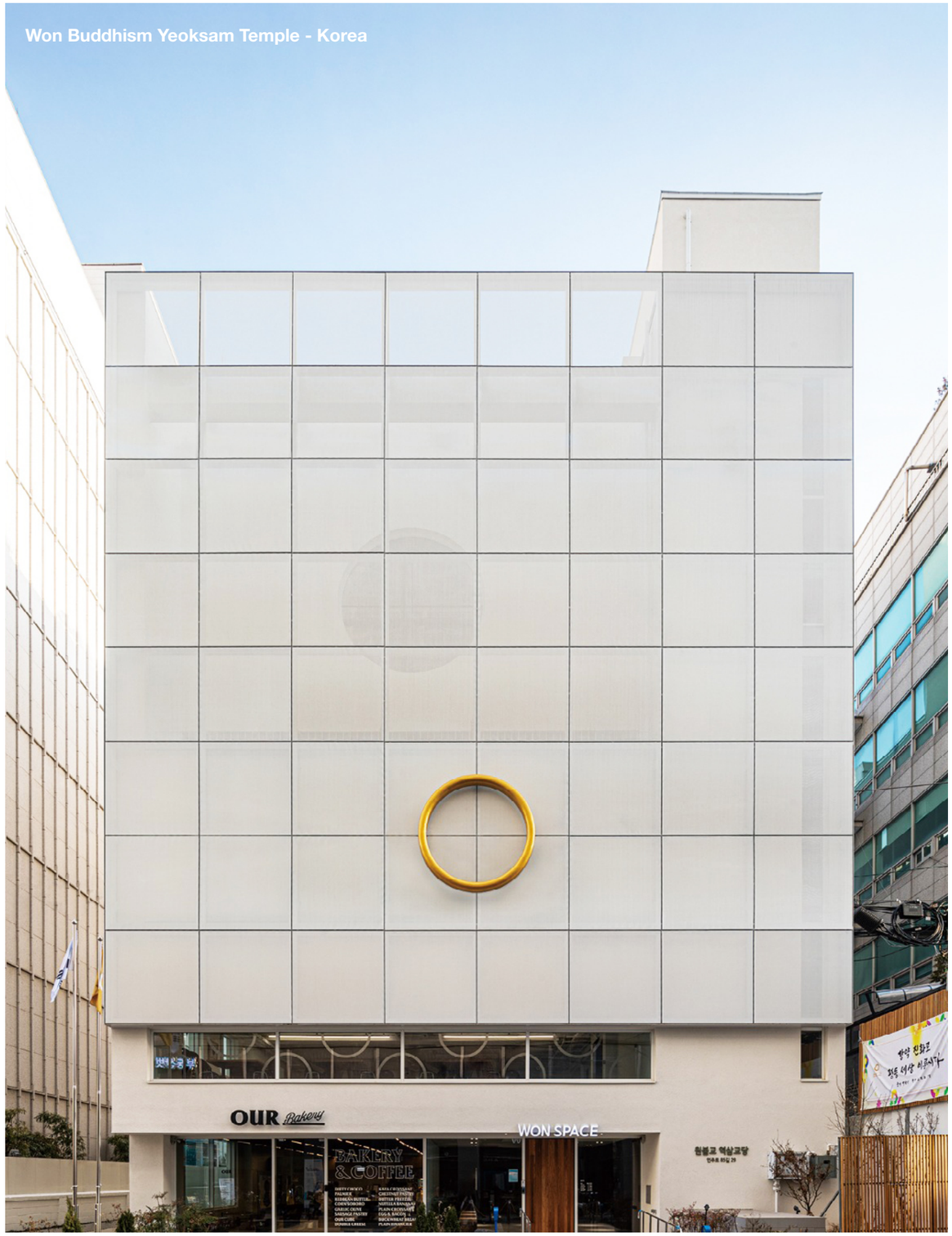
Covering facades are medium and large format mechano-textile structures.
It consists of fixing a tensioning profile to an existing and load-bearing framework then installing a manufactured or printed membrane on top.

In this configuration, the structure takes up the forces of the fabric.



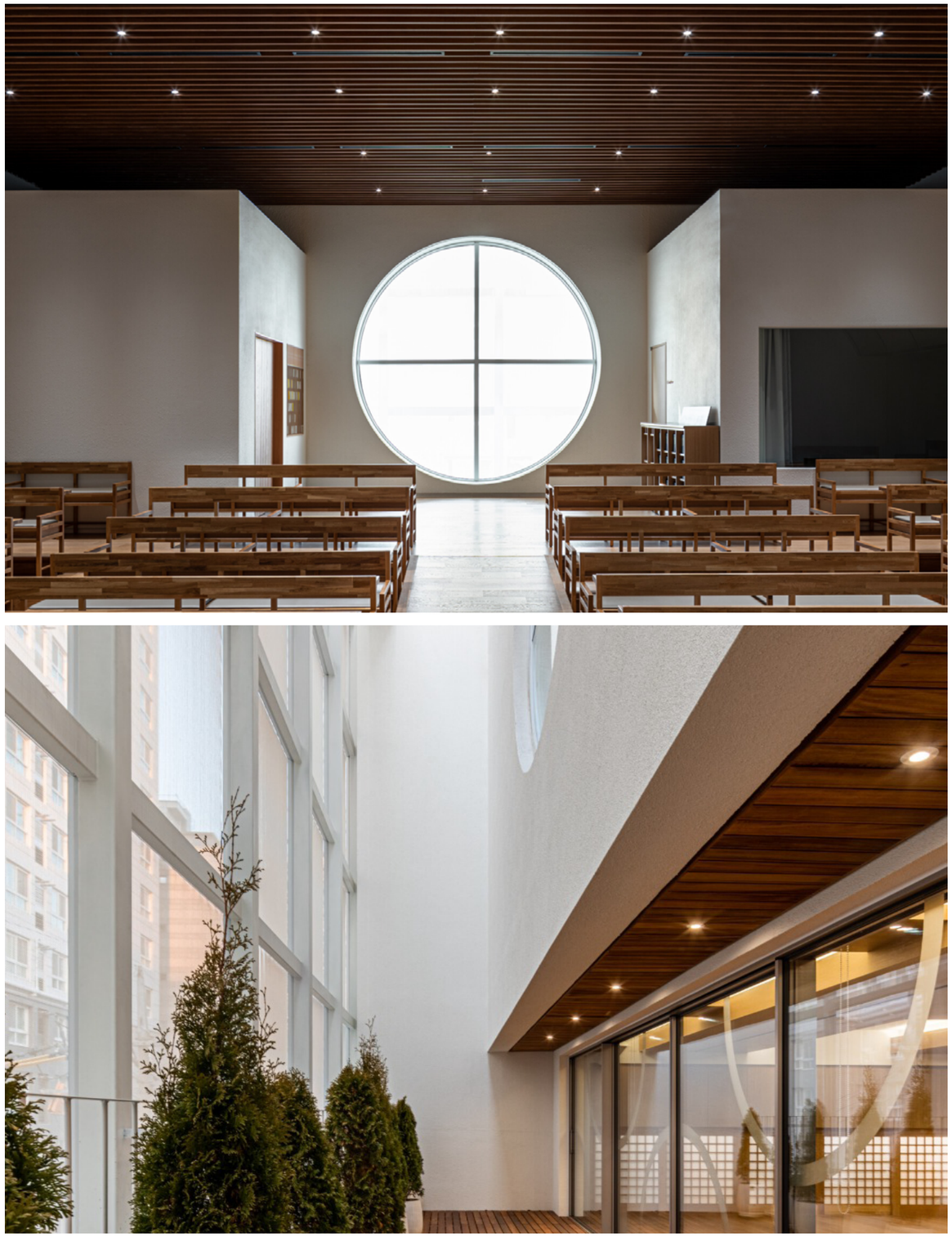
COVERING FACADES

EXAMPLES OF PROJECTS



Won Buddhism Yeoksam Temple - Korea

SOLAR SKIN



SOLAR SKIN

THE GO-TO SOLUTION FOR LARGE-FORMAT COVERING INSTALLATIONS !

Solar Skin is FTI's patented system dedicated to PVC ETFE and PTFE membranes.

It was designed in response to a greater market demand.
Its patient development reflects its attention to details.

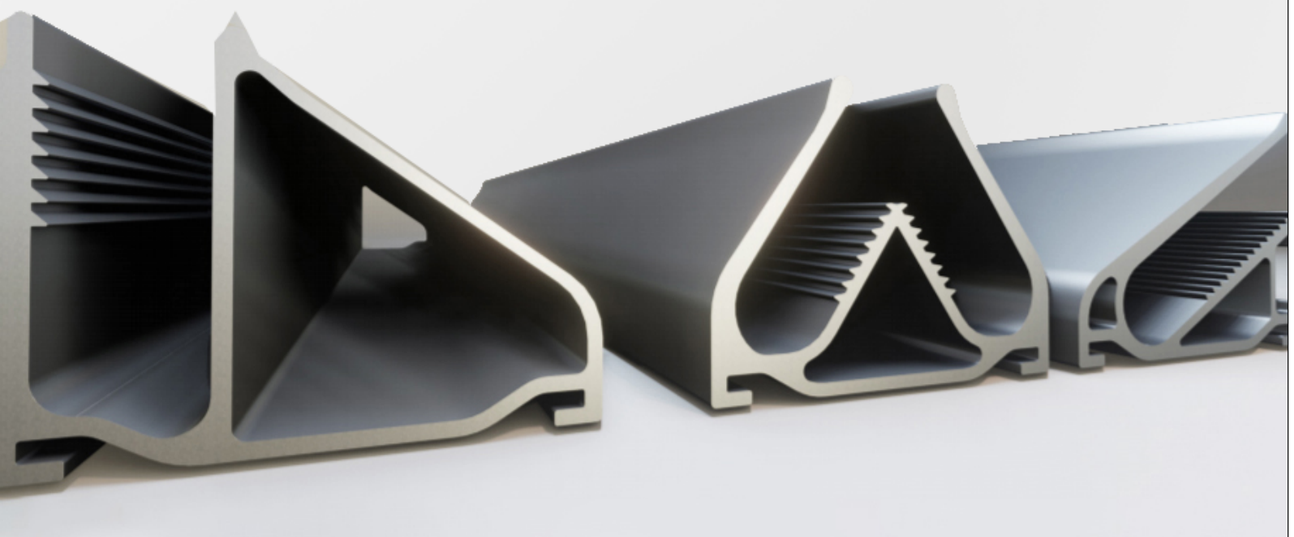
VERSATILE, SMART, & RELIABLE !

MODULAR CONFIGURATIONS TO MEET ALL THE STRUCTURAL CHALLENGES !

SOLAR SKIN IS MEMBRANE AGNOSTIC !

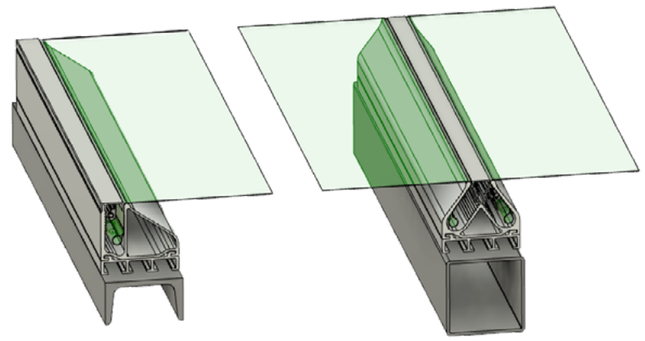
Two Swan ranges have been developed to enhance the Solar Skin systems

BROCHURE HERE

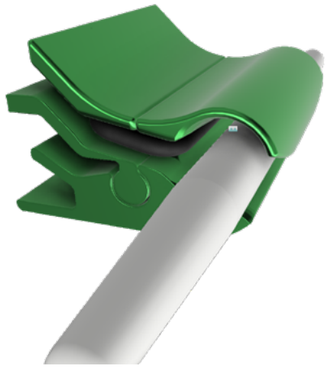


MOUNTING CASES

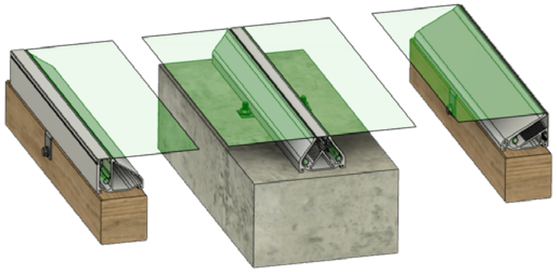
FIBER GLASS SWAN



CONFIG 9 CONFIG 1

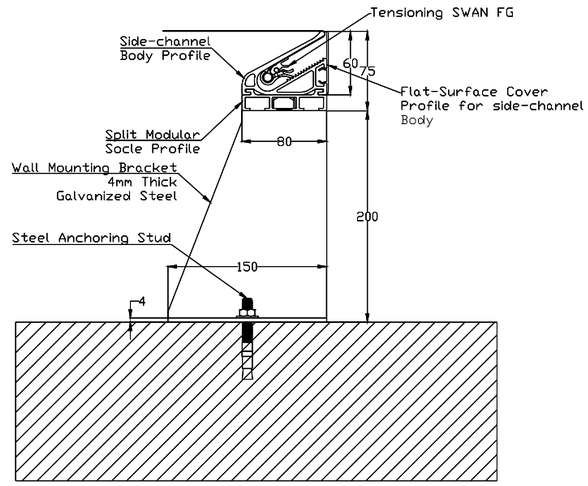


STANDARD SWAN



Easy installation & intuitive assembly!
Quick adjustment & adaptive retensioning

- Standard SWAN : for PVC-coated membranes
- Fiber Glass SWAN : For ETFE and PTFE membranes



CONFIG 6

CLICK OR SCAN

SOLAR SKIN - Mounting Principle

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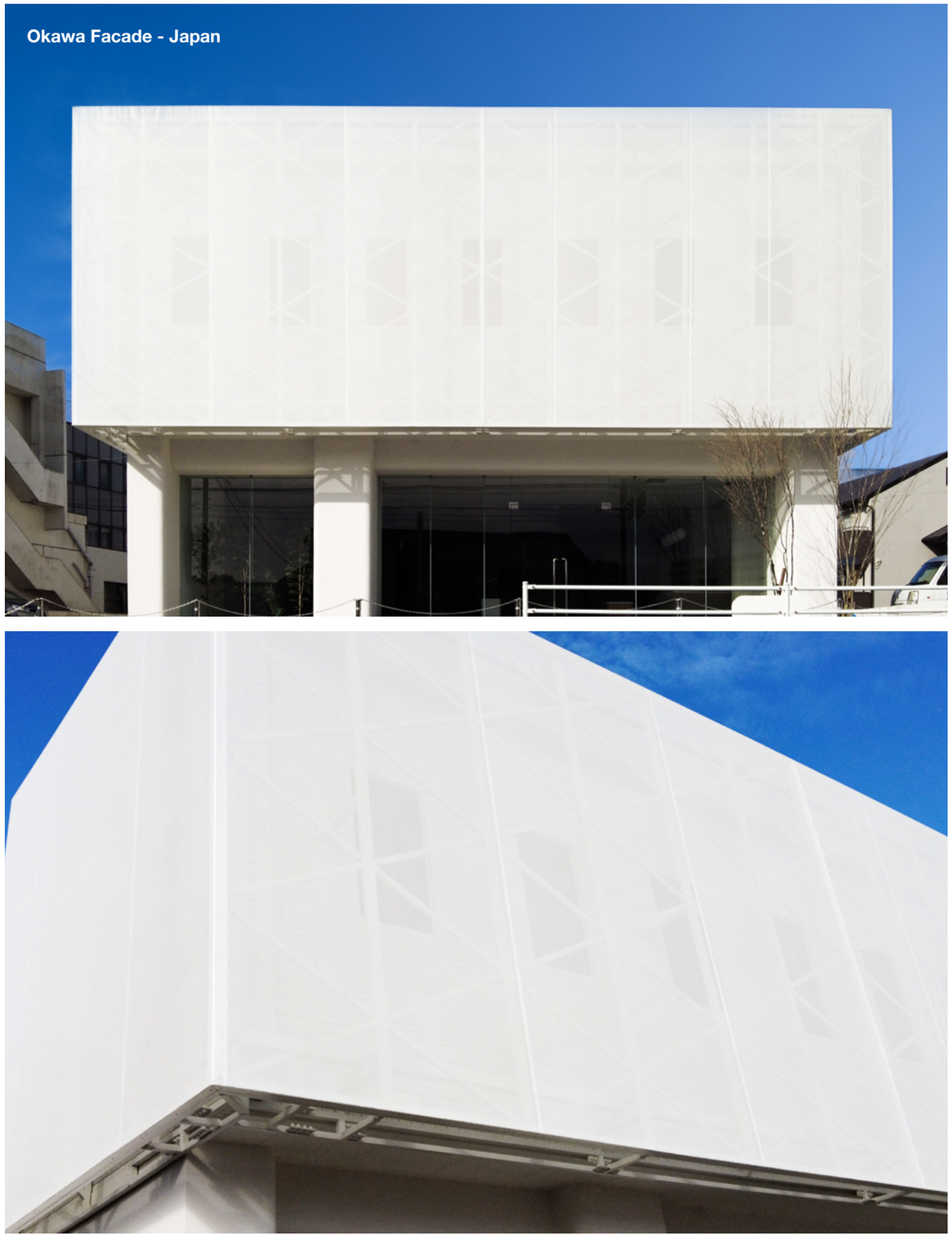
COVERING FACADES

EXAMPLES OF PROJECTS



SOLAR SKIN

COVERING FACADES

EXAMPLES OF PROJECTS


Gulliver School - Slovakia

Sb Sport Service - Switzerland

Médiathèque La Passerelle - France

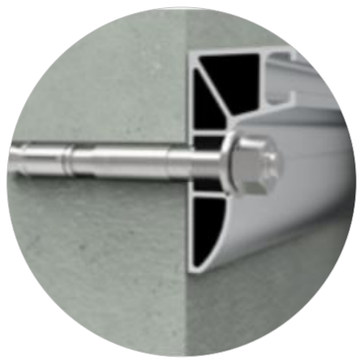

Caproux Housing - France

AERO W

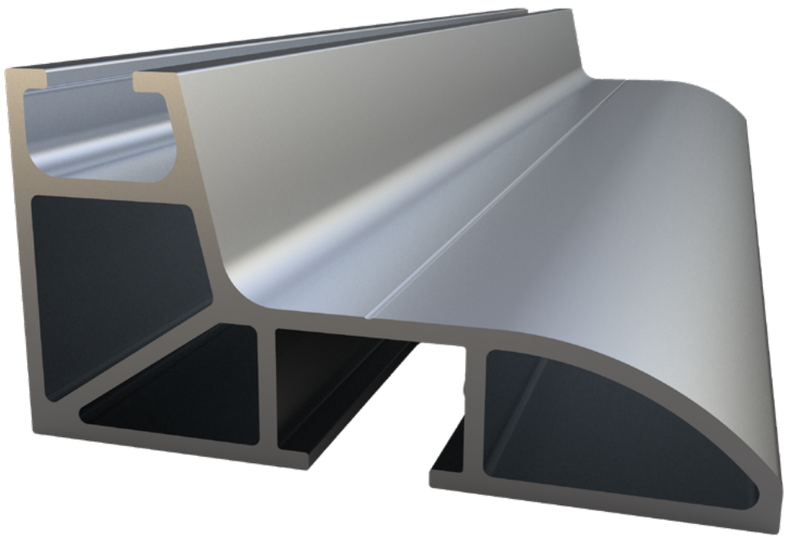
FOR LARGE FORMAT FACADES !

Aero W is a revamped, optimized and facade oriented version of TSWO.
Aero W is compatible with both Aero A/S sliding attachment concept, as well as with direct fixation systems.

Aero W takes advantage of the Aero line of profiles design-enabled features, such as the self-cleaning capabilities, preventing any plant particles and dust stagnation.



WIND RESISTANCE 160 Km/h | COVERING FACADES | TEARING 1,7T/lm | SURFACE 60 m2/frame | 100% RECYCLABLE | PATENTED SYSTEM



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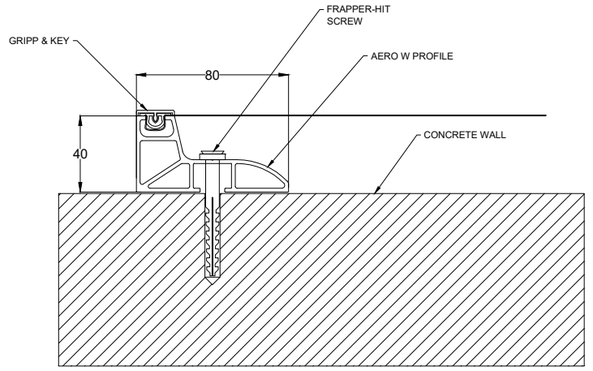
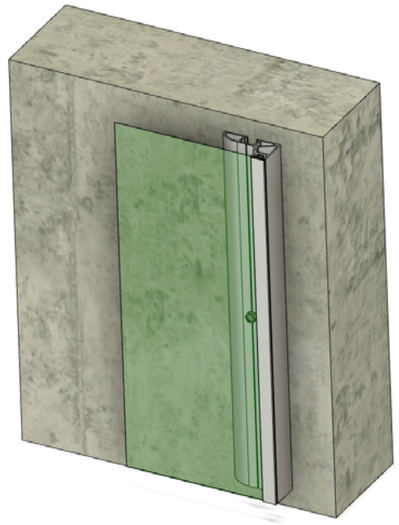
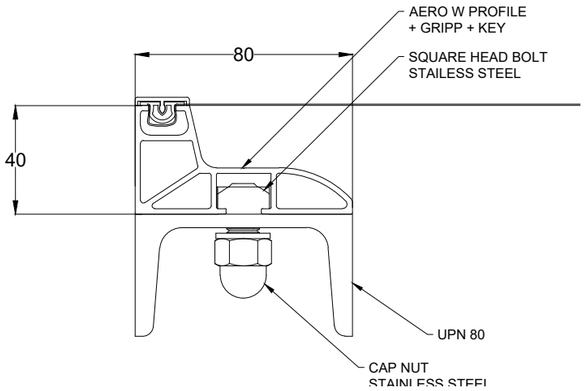
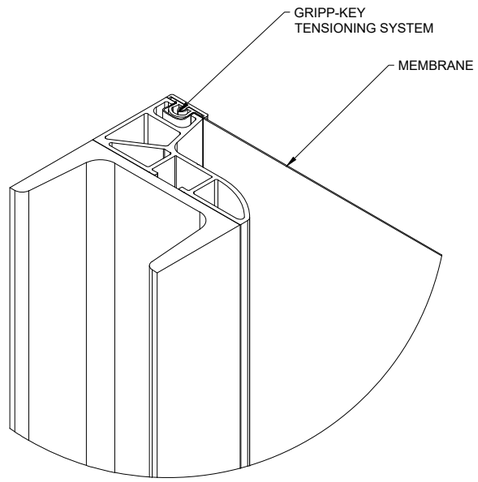
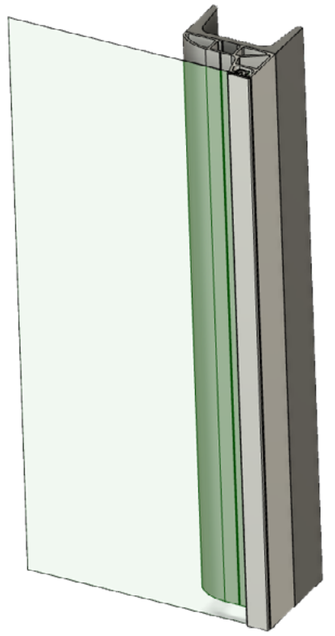
MOUNTING CASES











CLICK & VIEW

AERO W - Mounting Principle

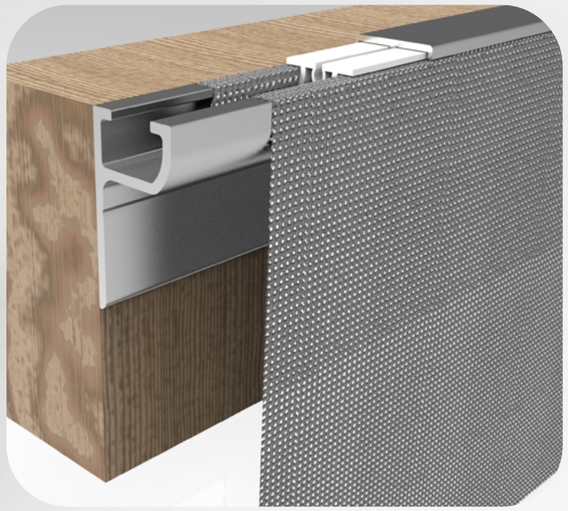
www.facade-textile.com

AERO W Light & W Light Side

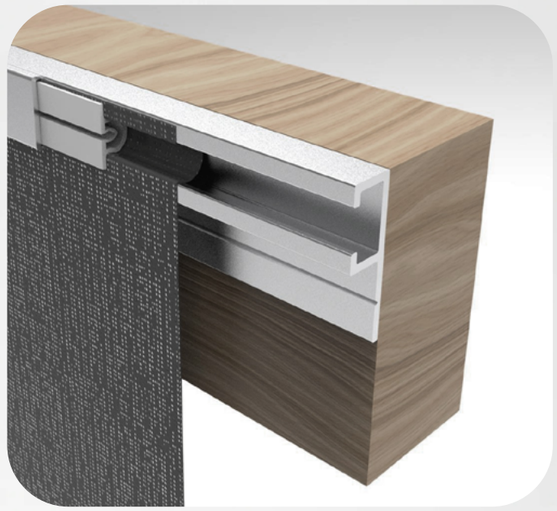
THE LIGHTEST PROFILES IN THE FTI RANGE !

Easy to use, they can be fixed directly on a wall or any other existing structure and they allow the implementation of small and medium sized frames.

Aero W Light and Light Side are the ideal systems for textile structures up to 20 m².
They are our most budget-friendly solutions.



Aero W Light



Aero W Light Side

WIND RESISTANCE 160 Km/h

COVERING + CLADDING FACADES

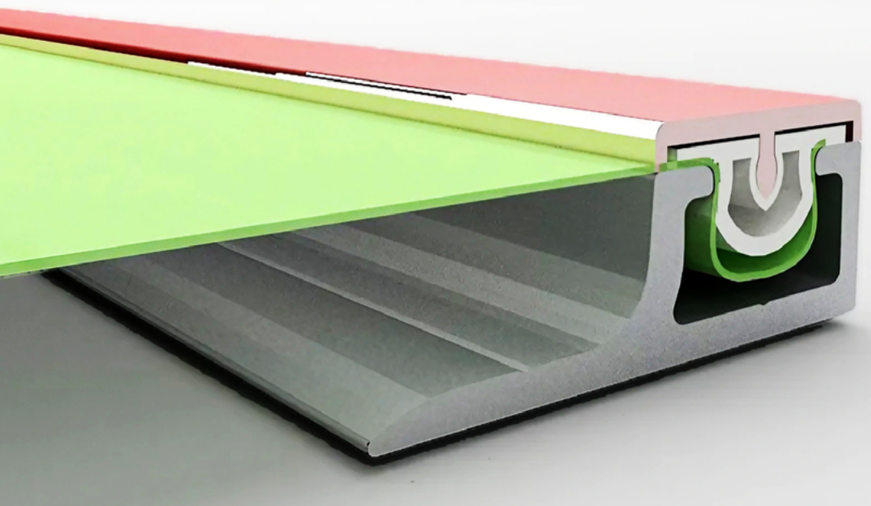
TEARING 1,7T/lm

SURFACE 20 m2/frame

BENDABLE PROFILE

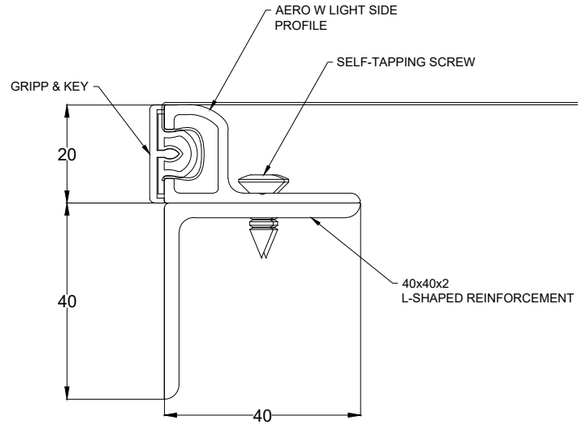
100% RECYCLABLE

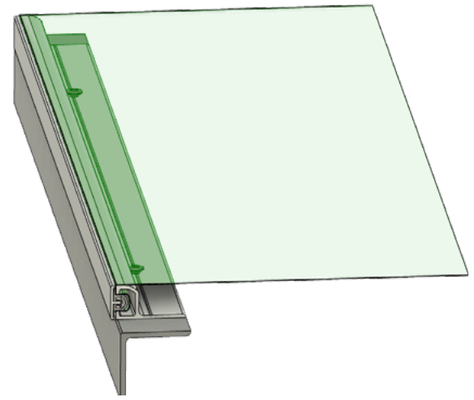
PATENTED SYSTEM

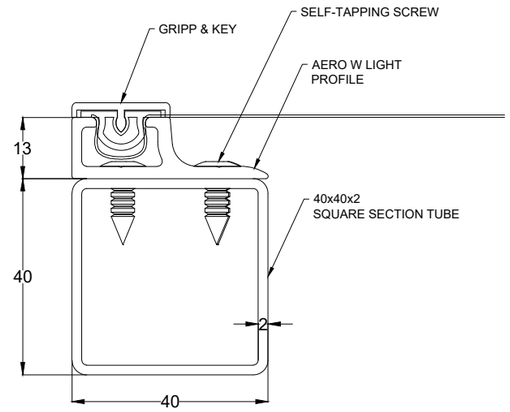


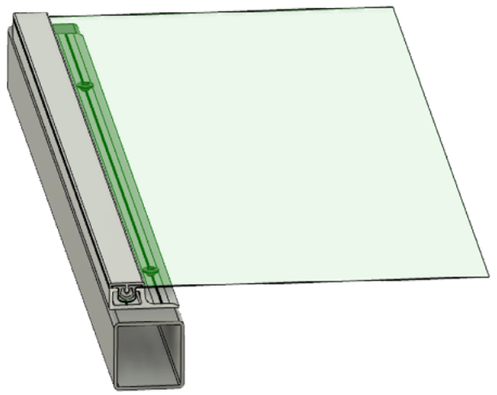
BROCHURE HERE

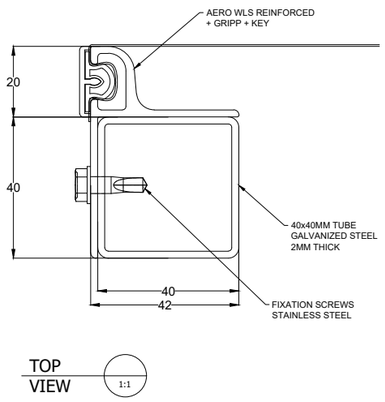
MOUNTING CASES

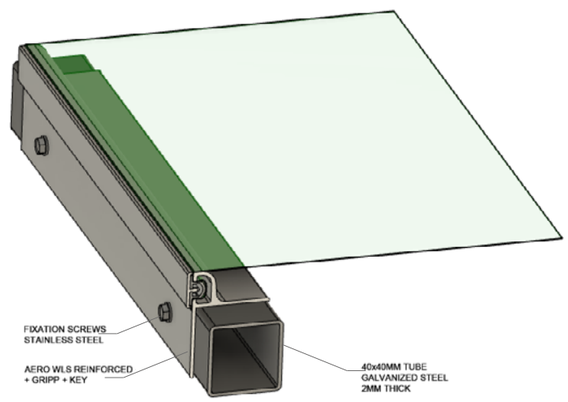












CLICK & VIEW

AERO WLS Reinforced
Mounting Principle

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COVERING FACADES

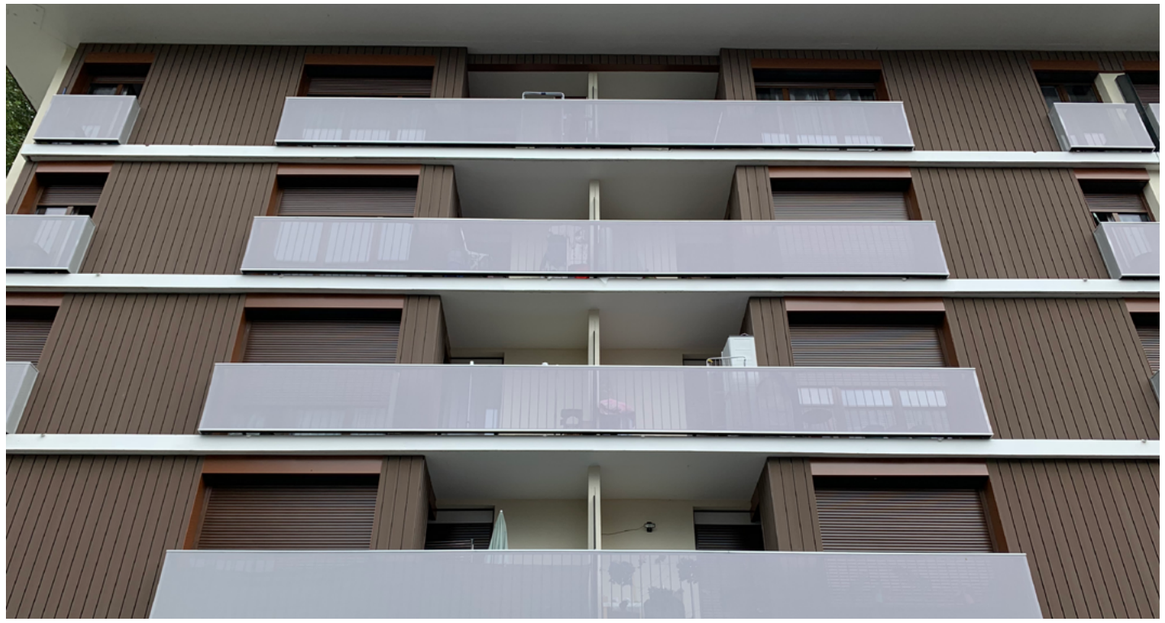
EXAMPLES OF PROJECTS

▪ KANEKOJI STORE | AERO WL

BANGKOK | THAILAND

▪ BALCONY WRAPPING | AERO WL

FERRIER HOUSING | FRANCE

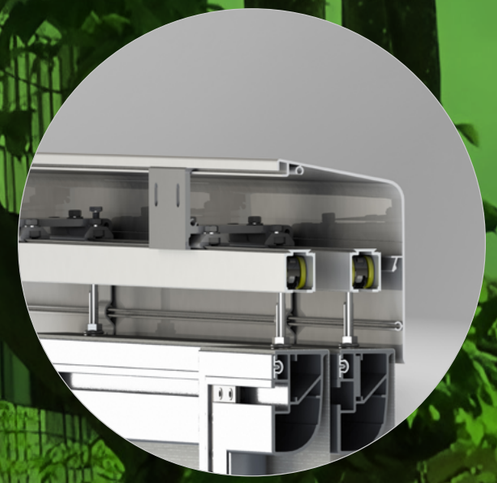


TAIWAN

SLIDING PANELS

Sliding panels are often used for residential applications to cover balconies and walkways thanks to a combined textile frame and sliding system that can be easily operated by the occupant.

Energy efficient and simple, this configuration is suitable for HEQ projects.



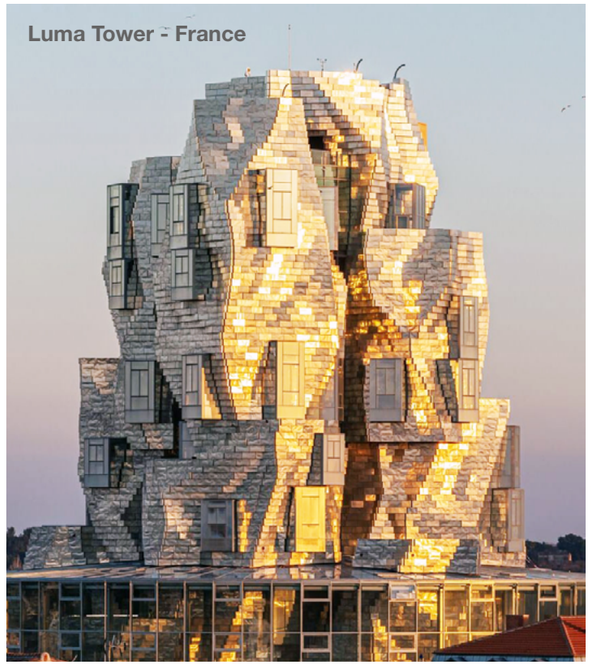
AERO S for sliding panels

AERO S

Villa BOV - Switzerland

INTERIOR SOLUTIONS

Textile facades are also used to customize interior spaces.
Lightweight and cost-effective they create a unique visual experience and allow to brighten up corridors and dark spaces.
Interior tensile facades also provide acoustic benefits and can be designed and fabricated to amplify or dampen sound.


Luma Tower - France

AERO GP

the AR experience

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in the palm
of your hands

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System produced in:

- Europe
- China
- India
- Brazil

THE NETWORK

Through the years, we have developed local networks with partners who can operate in an intentionally limited area, which allows us to minimize the impact caused by air and sea shipping of our equipment.

We collaborate with clients and professional partners who share our vision of sustainability and our desire to contribute to the transformation of our systems and societies into ones that thrive within planetary boundaries.

Our Green Tech approach !

We follow a global greentech approach that focuses mainly on the supply chain.

Our main aim is to :
- Reduce the carbon footprint
- Optimize costs
- Use local resources
- Minimize the impact caused by air and sea shipping of our equipment.

By offering to produce our systems locally and under license.

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