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TENSILE FABRIC ARCHITECTURE



facadetextile
INTERNATIONAL
Tensioning Systems



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+41 7 91 37 81 59

www.facade-textile.com

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

■ Services :

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

■ Structure :

- Qualified international & multidisciplinary team
- International network

■ 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.

Bioclimatic facades
Lightweight architecture
International Network
Greentech Technology
Patented Systems



■ References :



THE FUTURE OF FACADES IS **TEXTILE** !

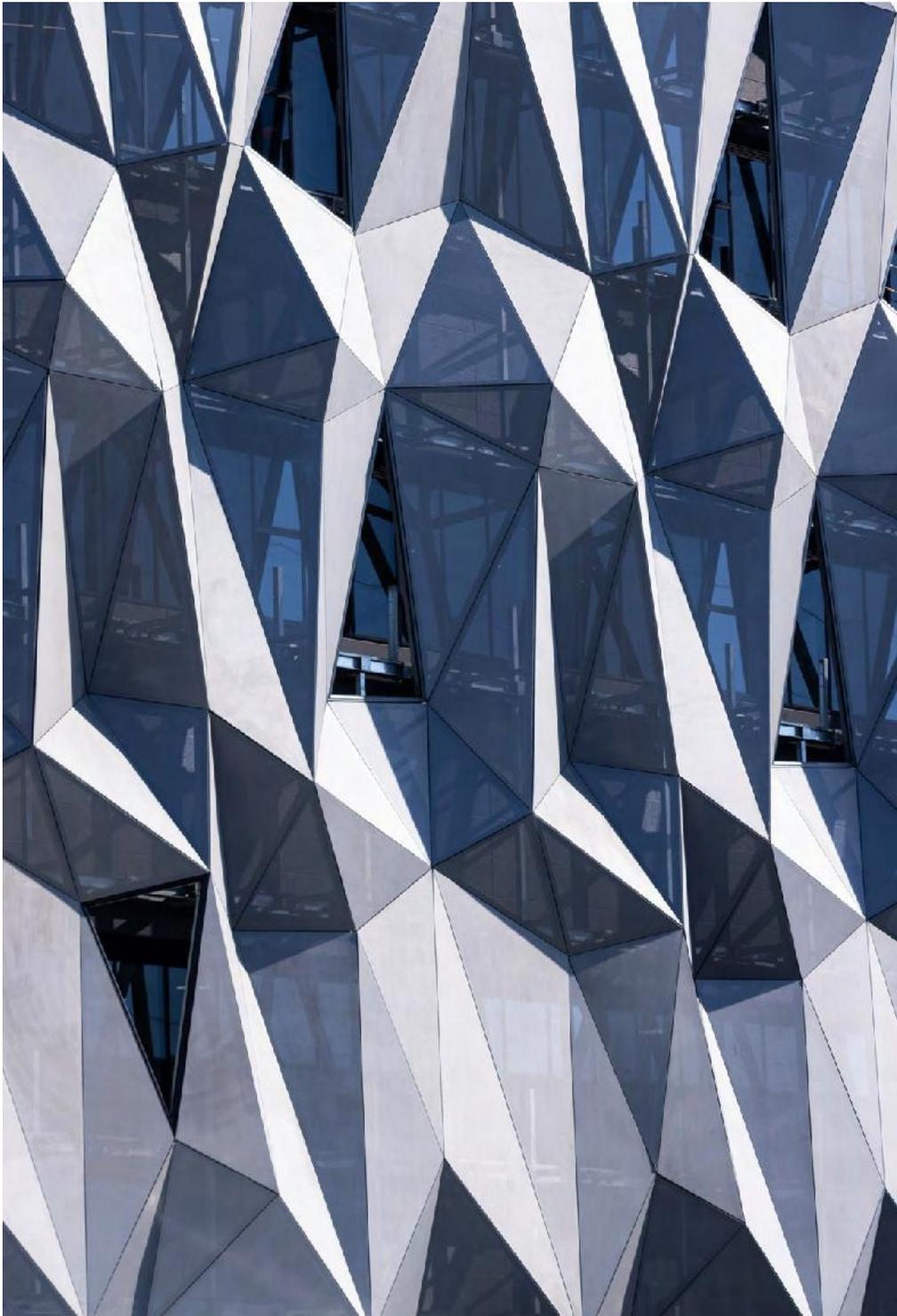
Textile Facades are an exciting and cost-effective architectural application to aesthetically transform and enhance the look of any building.

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.

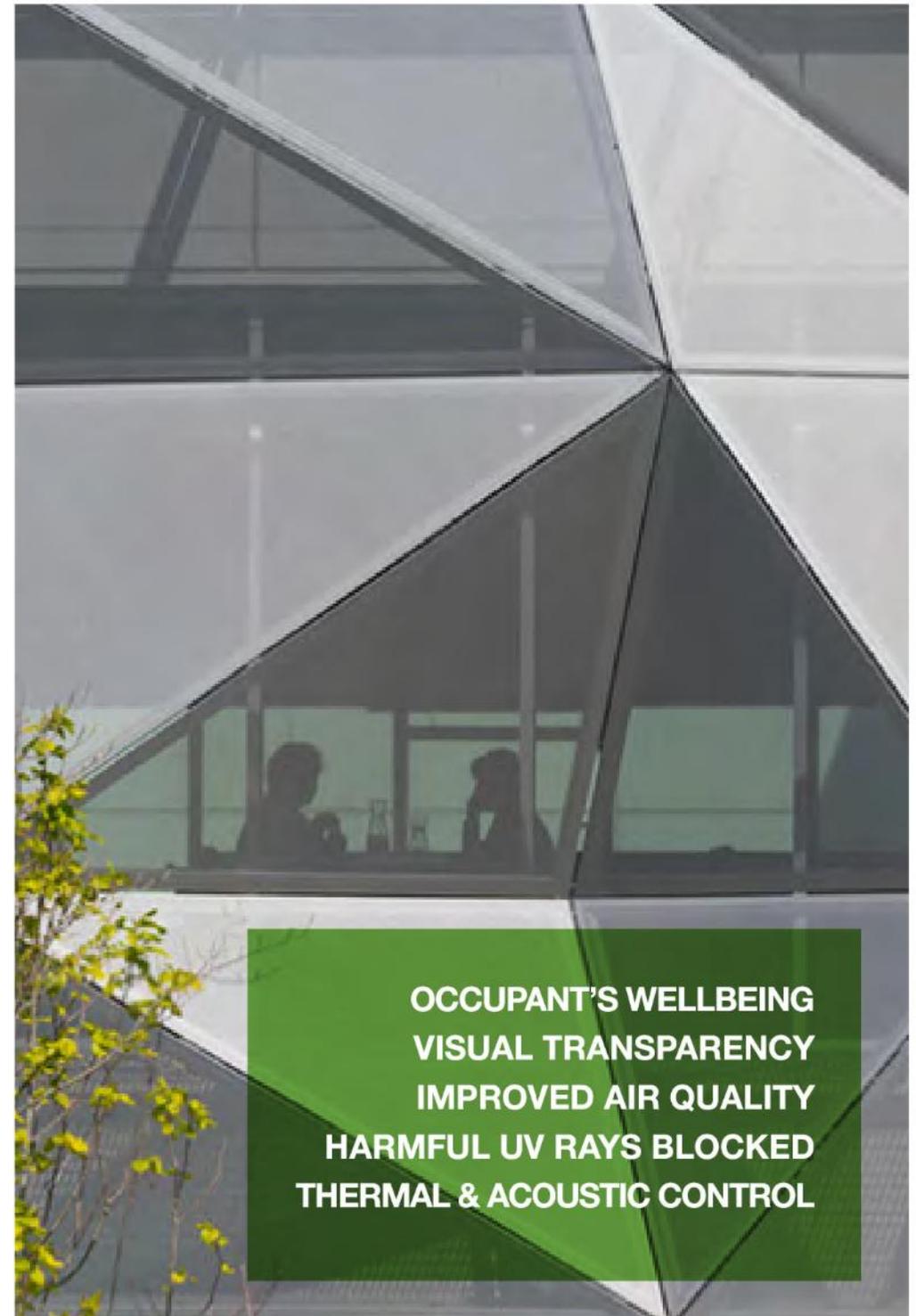
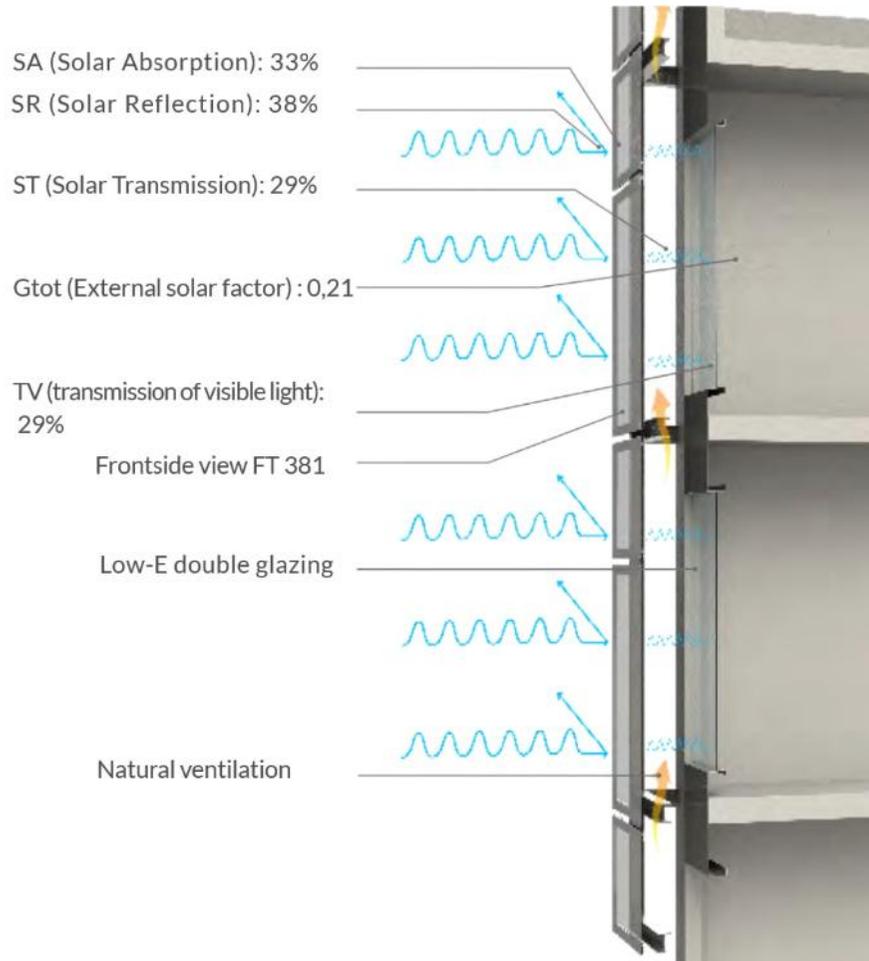
It responds to the simplest and most refined shapes besides to the complex parametric architecture configurations.

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.



**OCCUPANT'S WELLBEING
VISUAL TRANSPARENCY
IMPROVED AIR QUALITY
HARMFUL UV RAYS BLOCKED
THERMAL & ACOUSTIC CONTROL**

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 re-vamp 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.



Systems compatible with

Serge Ferrari  VERSEIDAG



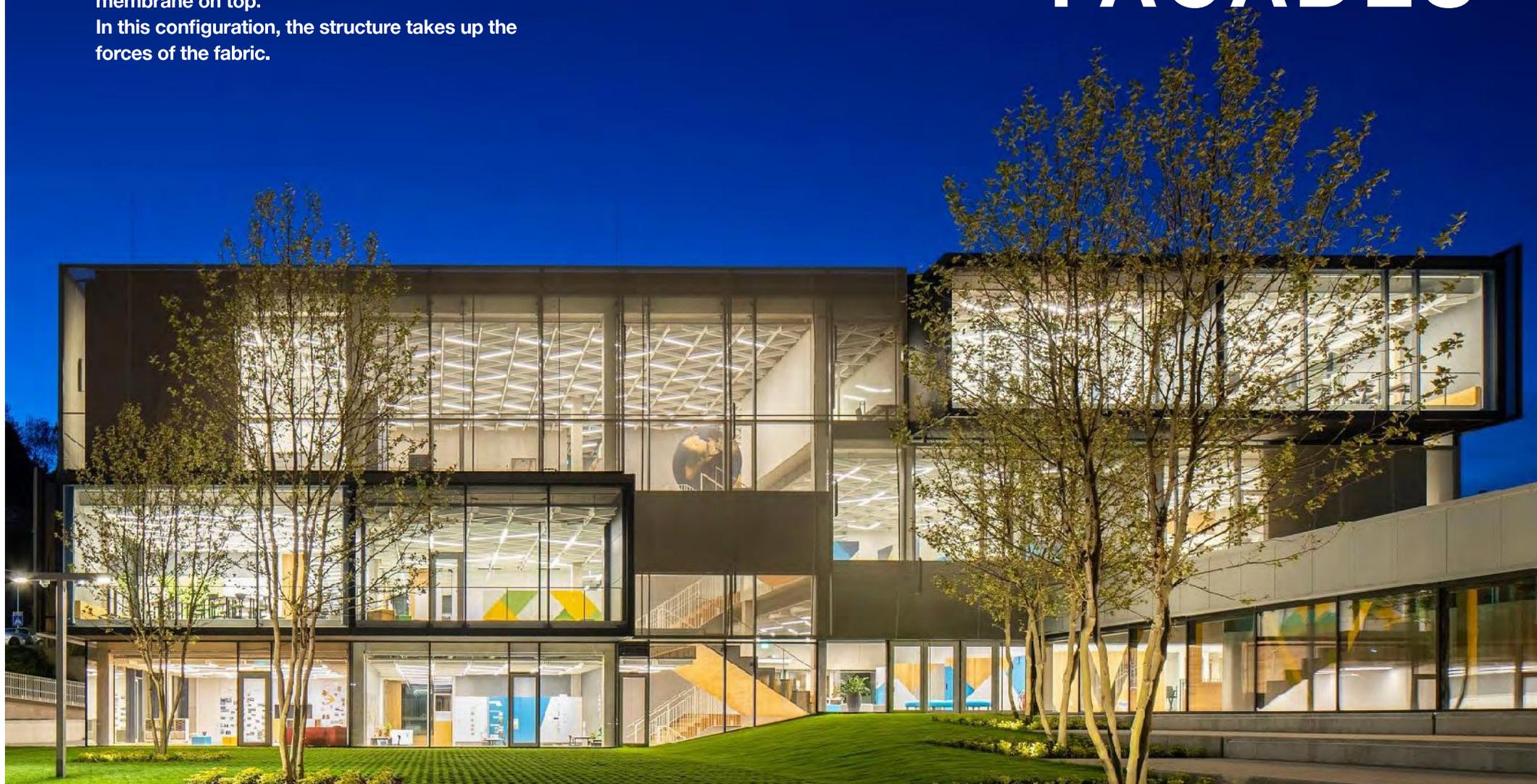
**CREATIVE
STRUCTURES**

Covering facades are medium and large format mechano-textile structures.

They consist 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



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 meticulous development reflects a strong attention to detail.

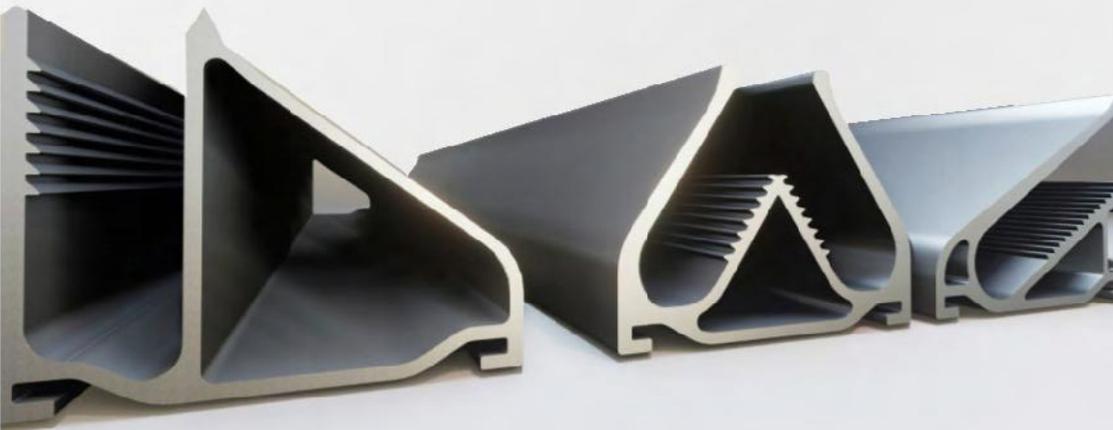
MODULAR CONFIGURATIONS TO MEET ALL THE STRUCTURAL CHALLENGES !

SOLAR SKIN IS MEMBRANE AGNOSTIC !

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

VERSATILE, SMART, & RELIABLE !

CONFIG BOOK



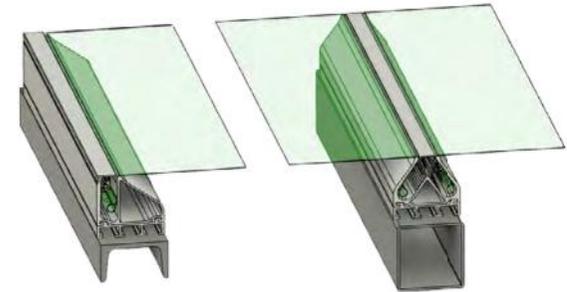
MOUNTING CASES



FIBER GLASS SWAN

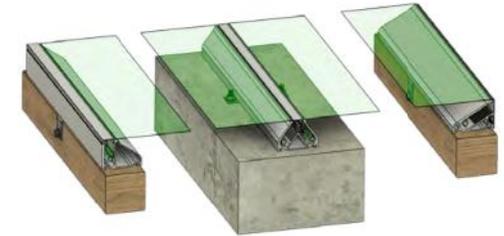


STANDARD SWAN



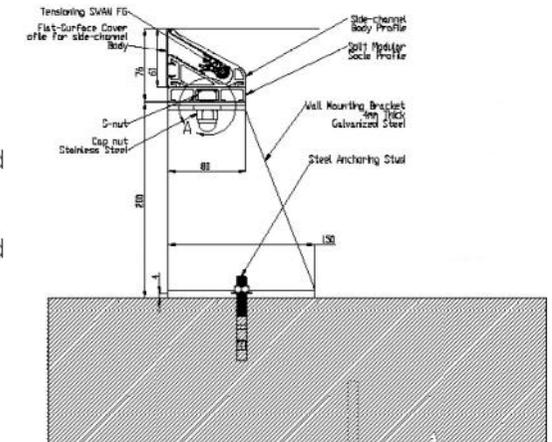
CONFIG 9

CONFIG 1



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

www.facade-textile.com

COVERING FACADES

EXAMPLES OF PROJECTS

Okawa Facade - Japan



SOLAR SKIN

Yixin Qingyu Tower - China



AERO W

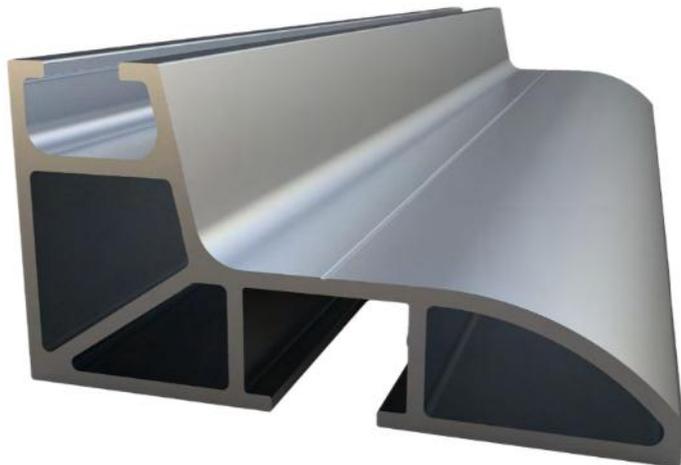
FOR LARGE FORMAT FACADES !

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.



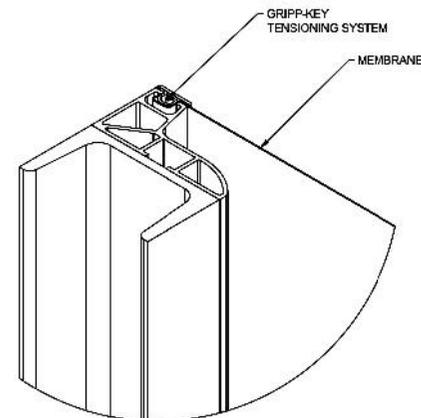
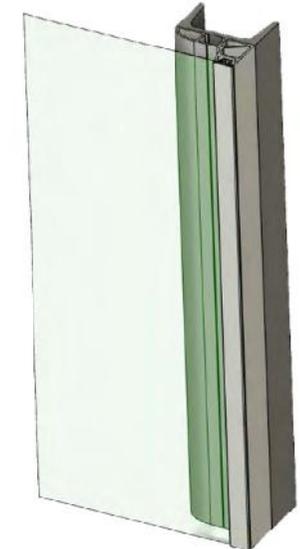
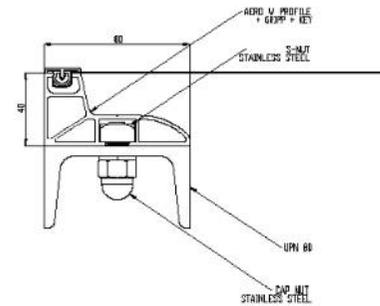
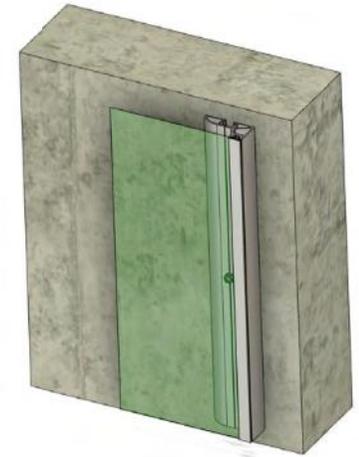
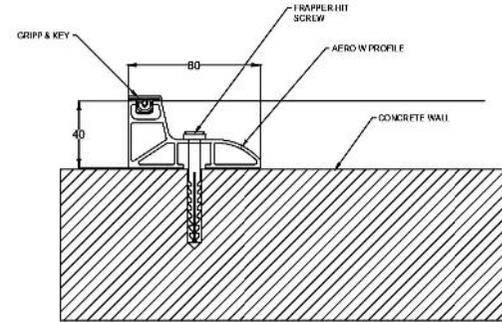
- WIND RESISTANCE 160 Km/h
- COVERING FACADES
- TEARING 1,7T/m
- SURFACE 60 m²/frame
- 100% RECYCLABLE
- PATENTED SYSTEM



[BROCHURE HERE](#)



MOUNTING CASES



[CLICK & VIEW](#)

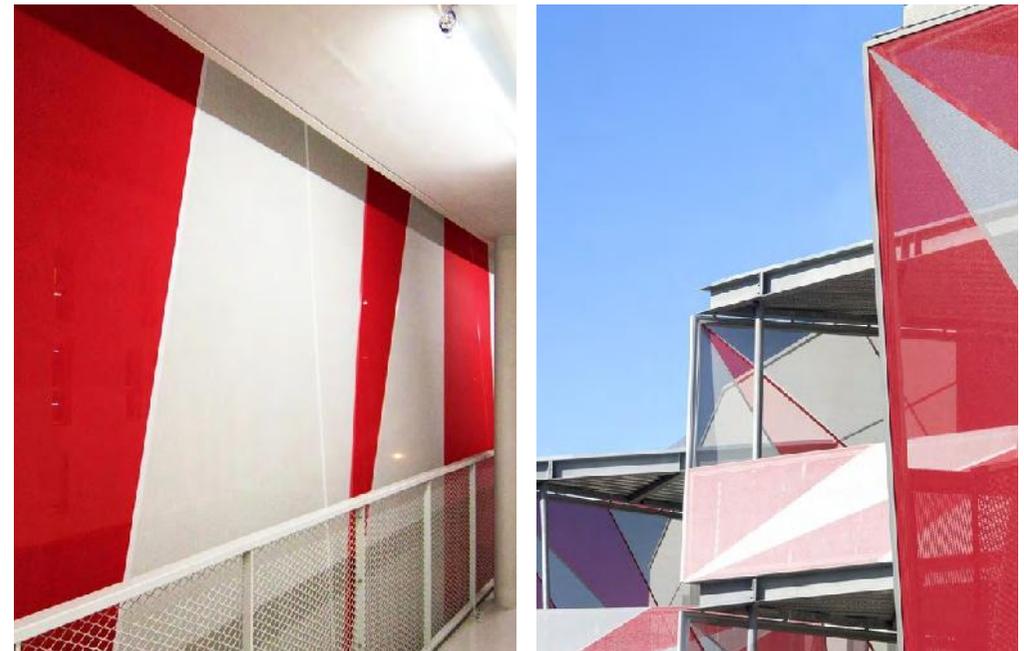
AERO W - Mounting Principle
www.facade-textile.com



COVERING FACADES

EXAMPLES OF PROJECTS

AERO W



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.



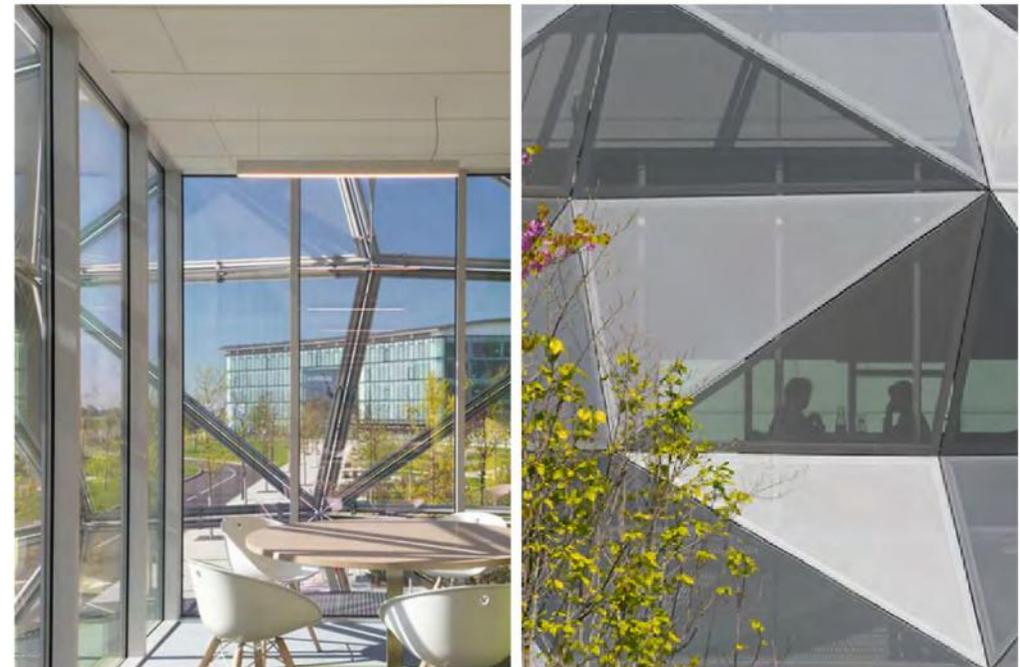
CLADDING FACADES

EXAMPLES OF PROJECTS

**TACKLE CHALLENGES
WITH THREE DIMENSIONNAL
TEXTILE CLADDINGS !**

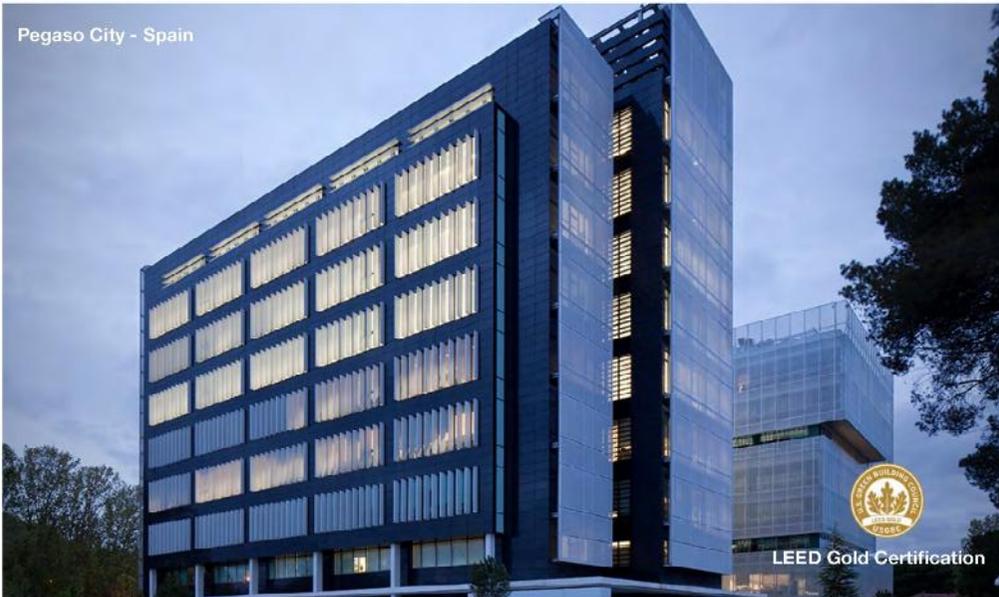
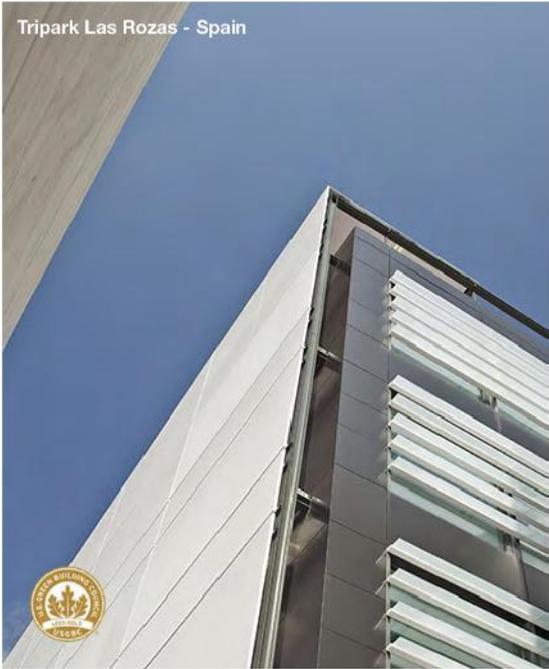


AERO A



CLADDING FACADES

EXAMPLES OF PROJECTS



AERO S



CLADDING FACADES

EXAMPLES OF PROJECTS

NR Car Service - Italy

TAKE
FACADE RENOVATIONS
TO THE NEXT LEVEL



AERO S

Westhills Medical Center - USA



AERO S

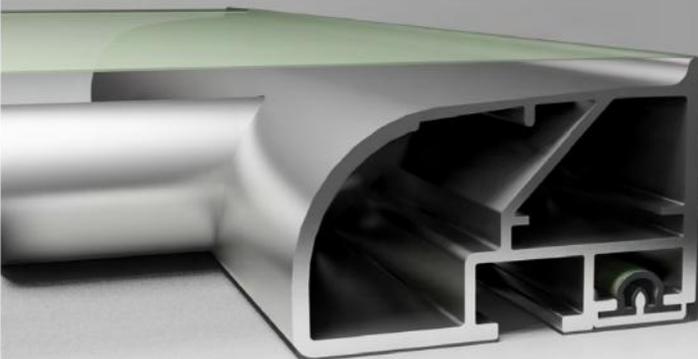
VERSATILE, SMART & RELIABLE !

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

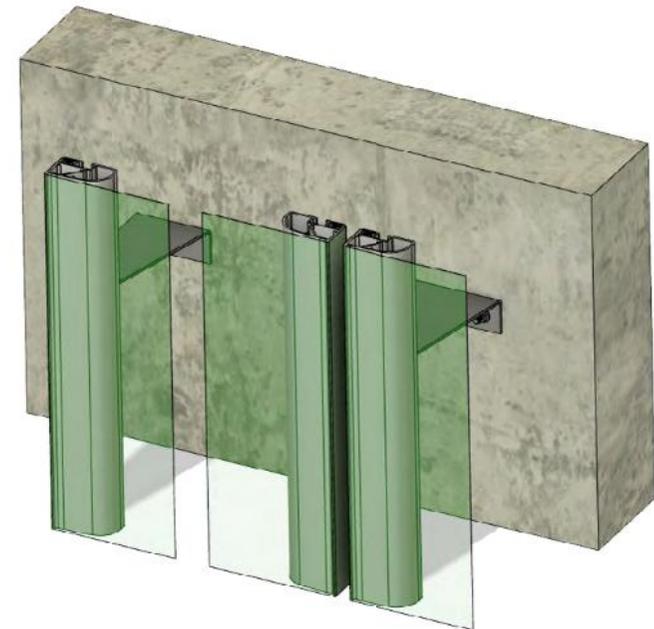
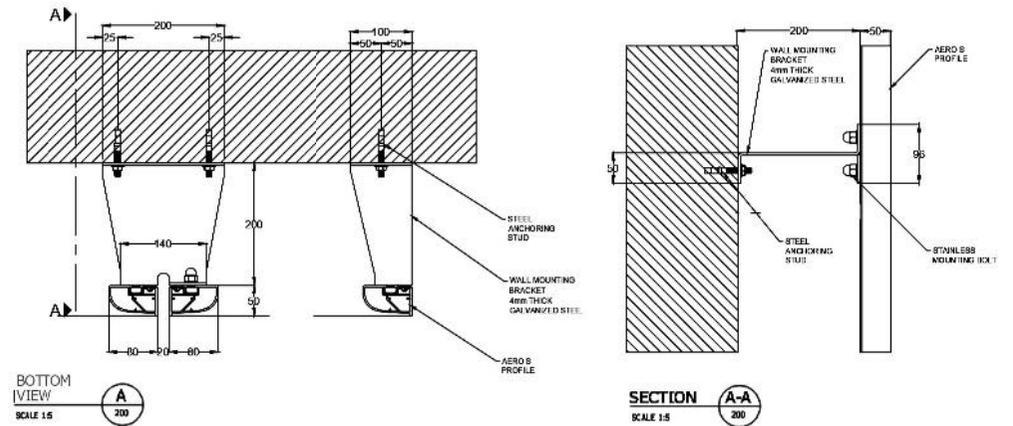
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	WIND RESISTANCE 250 Km/h		MODULAR FACADES		TEARING 4,2T/m		SURFACE 20 m ² /frame		100% RECYCLABLE
									PATENTED SYSTEM



MOUNTING CASES



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



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

CLADDING FACADES

EXAMPLES OF PROJECTS

■ PRINTED FACADE

COURT OF APPEAL
Martinique



AERO S

■ TIMBER-FRAME CONSTRUCTION

RECYCLING CENTER BIL TA GARBI
Bayonne - France



AERO W LIGHT & W LIGHT SIDE

THE LIGHTEST PROFILES IN THE FTI RANGE !

Easy to use, they can be fixed directly onto 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.

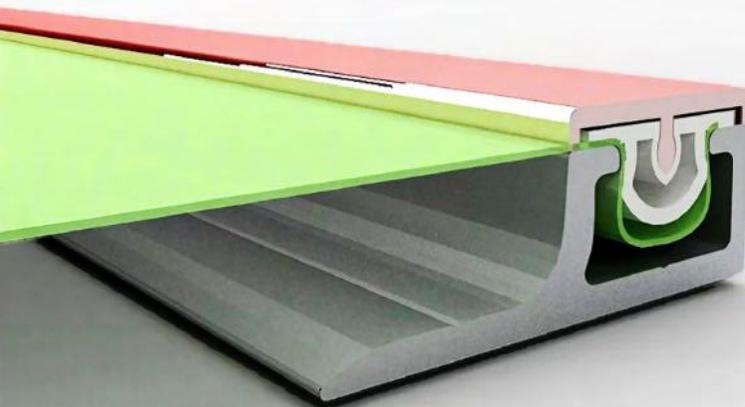


Aero W Light



Aero W Light Side

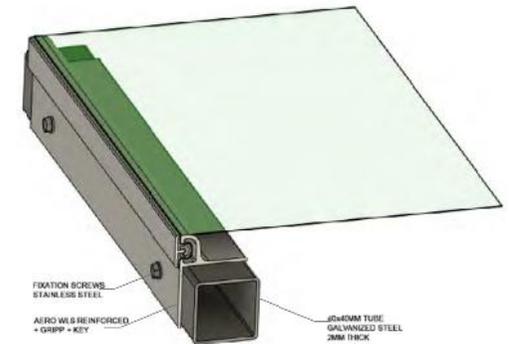
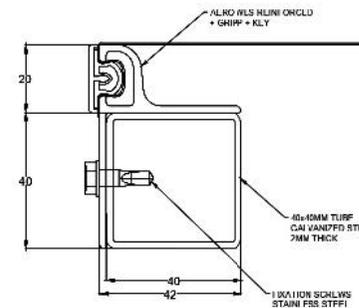
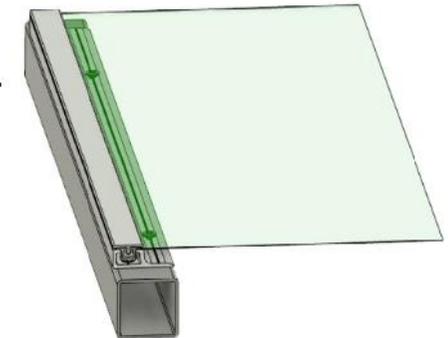
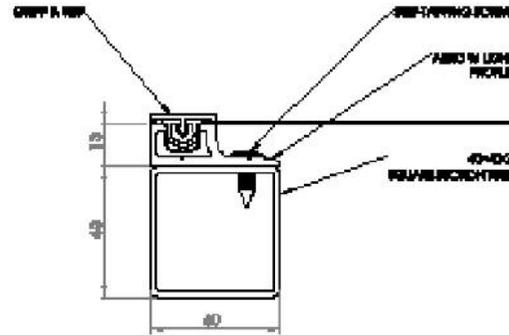
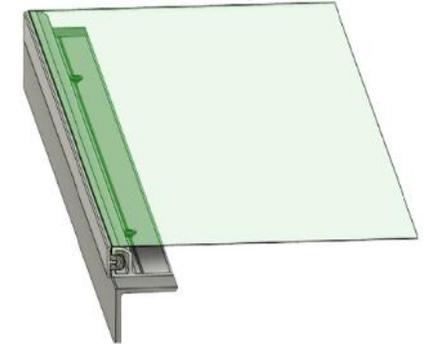
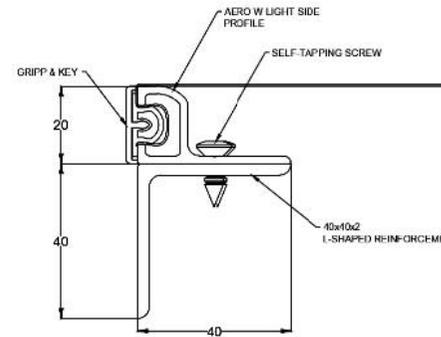
-  WIND RESISTANCE
160 Km/h
-  COVERING + CLADDING
FACADES
-  TEARING 1,7T/m
-  SURFACE 20 m²/frame
-  BENDABLE PROFILE
-  100% RECYCLABLE
-  PATENTED SYSTEM



BROCHURE HERE



MOUNTING CASES



CLICK & VIEW
AERO WLS Reinforced
Mounting Principle
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CLADDING & COVERING FACADES

EXAMPLES OF PROJECTS

■ **KANEKOJI STORE | AERO WL**
BANGKOK | THAILAND

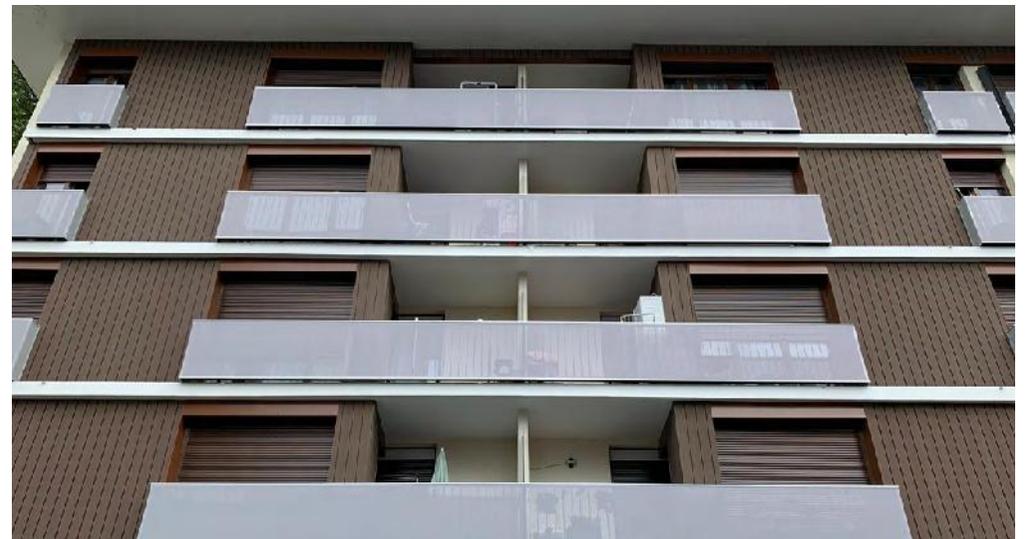


AERO WL

■ **CITY MODA | AERO WL**
BARI | ITALY



■ **BALCONY WRAPPING | AERO WL SIDE**
FERRIER HOUSING | FRANCE



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

INTERIOR SOLUTIONS

Textile facades are also used to customize interior spaces. Lightweight and cost-effective they create a unique visual experience and help brighten up corridors and dark spaces.

Interior tensile facades also provide acoustic benefits and can be designed and fabricated to either amplify or dampen sound.

INTERIOR SOLUTIONS

■ LUMA TOWER | GEHRY & PARTNERS
ARLES | FRANCE



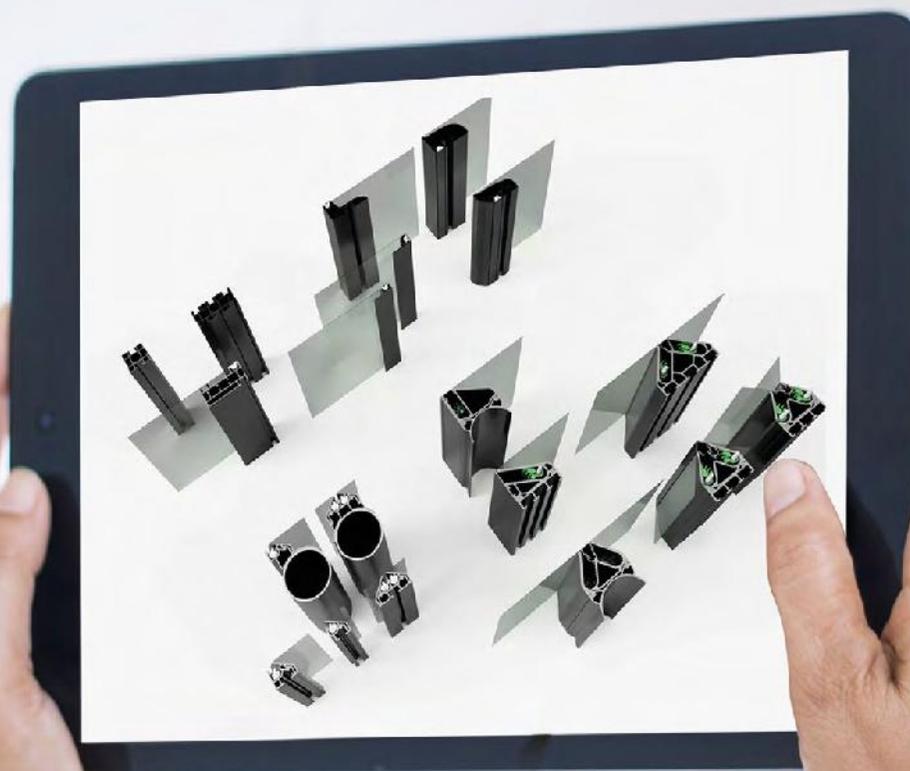
AERO GP

COMPATIBLE WITH PVC + ACOUSTIC MEMBRANES



the AR experience

FTI profiles
in the palm
of your hands



AVAILABLE IN 21 COUNTRIES !

System produced in:

- Europe
- China
- Taiwan
- India
- Japan
- Brazil



THE NETWORK

Over 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 commitment to transforming systems and societies to thrive within planetary boundaries.

Partners with :

Serge Ferrari  VERSEIDAG

Headquarters ●

Regional Distributors ●

Production Units ●

Sales & Services ●



Our Green Tech approach !

We embrace a global greentech approach with a strong

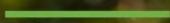
focus on optimizing the supply chain.

Our key objectives are to:

- Lower the carbon footprint
- Optimize costs
- Utilize local resources
- Reduce the environmental impact of air and sea shipping

for our equipment.

We achieve this by offering local production of our systems under license.



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