

Shaping Open Spaces



Integrated Project Delivery

Choosing the right partner is crucial in delivering a successful tensile fabric structure. TENTA provides a complete project delivery system covering design coordination, engineering support, factory production, supply integration, project coordination, and professional installation ensuring every project is handled with clarity, control, and confidence.



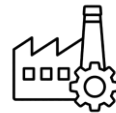
Design Coordination

We align the structure with the client's needs, site conditions, intended function, and overall design direction.



Engineering Support

We provide technical coordination for the frame, fabric tension, connection details, and structural performance of the system.



Factory Production

TENTA components are prepared through controlled production for better fit, consistency, and installation efficiency.



Supply Integration

We supply the main structure together with related components such as fabric membranes, frames, fittings, flooring, lighting provisions, and enclosure options.



Project Coordination

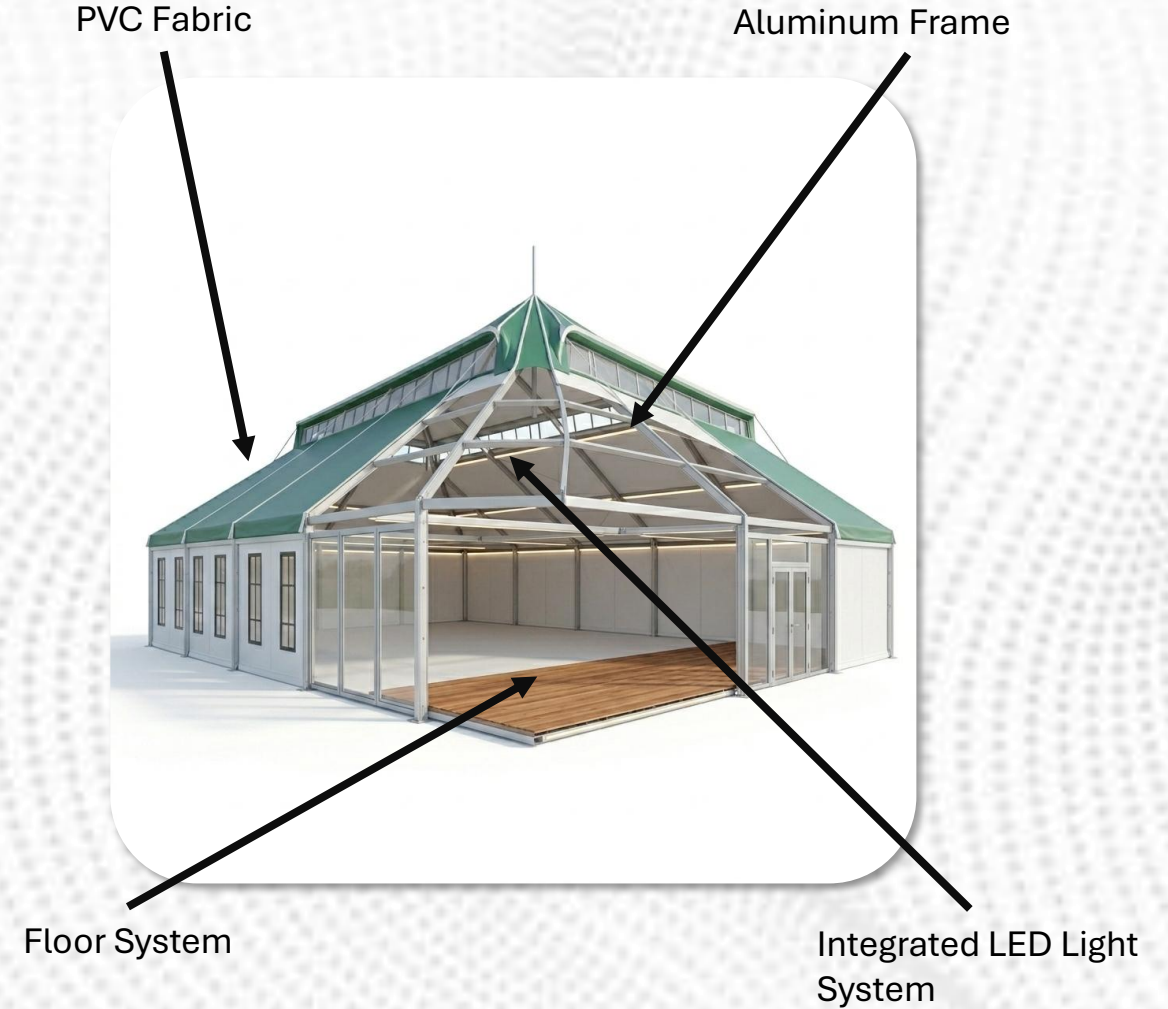
We coordinate with owners, designers, contractors, and project teams to adapt the system to different project conditions and requirements.



Professional Installation

Our team carries out the proper installation of TENTA structures as part of the package, ensuring that the system is assembled, tensioned, aligned, and completed correctly on site.

STRUCTURAL POSSIBILITIES



STRUCTURAL POSSIBILITIES

Aluminum Frame

PVC Fabric

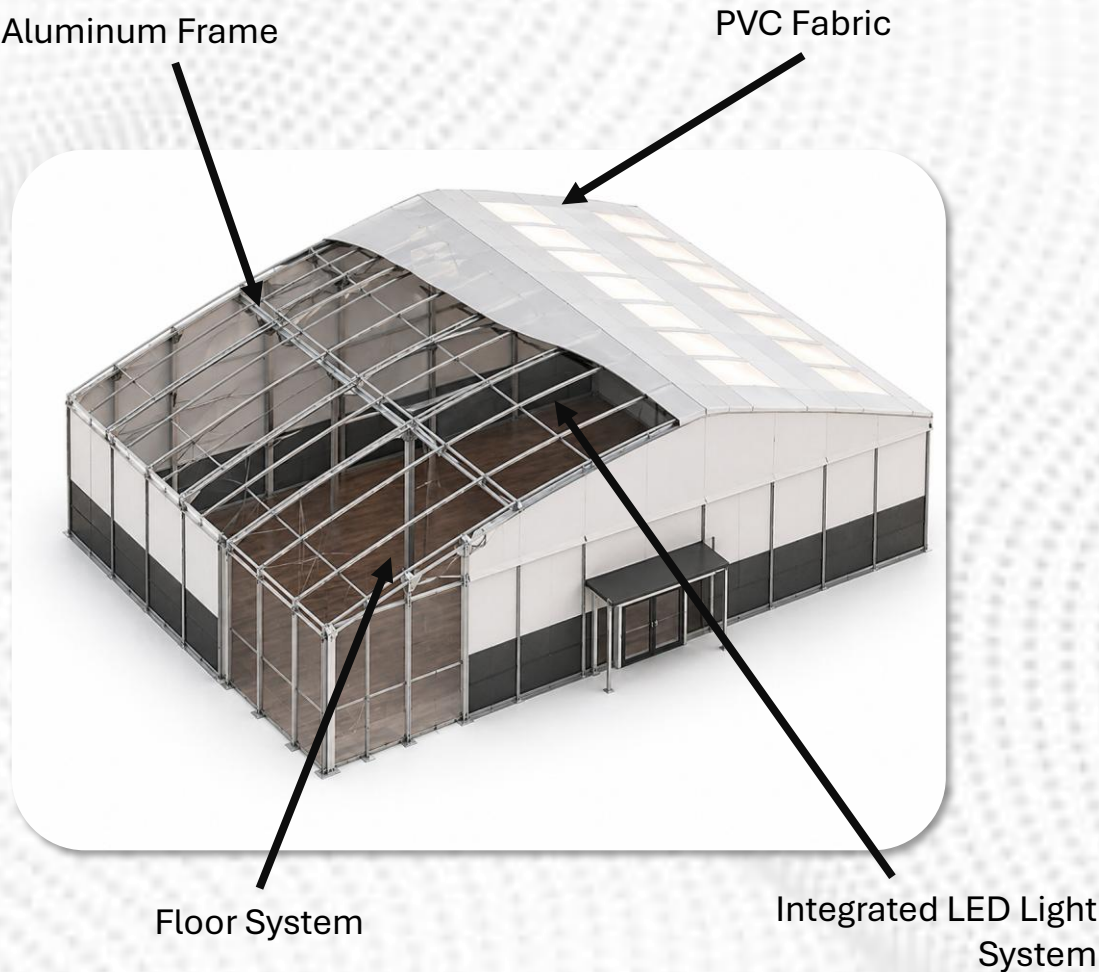


Floor System

Glass Curtain Wall



STRUCTURAL POSSIBILITIES



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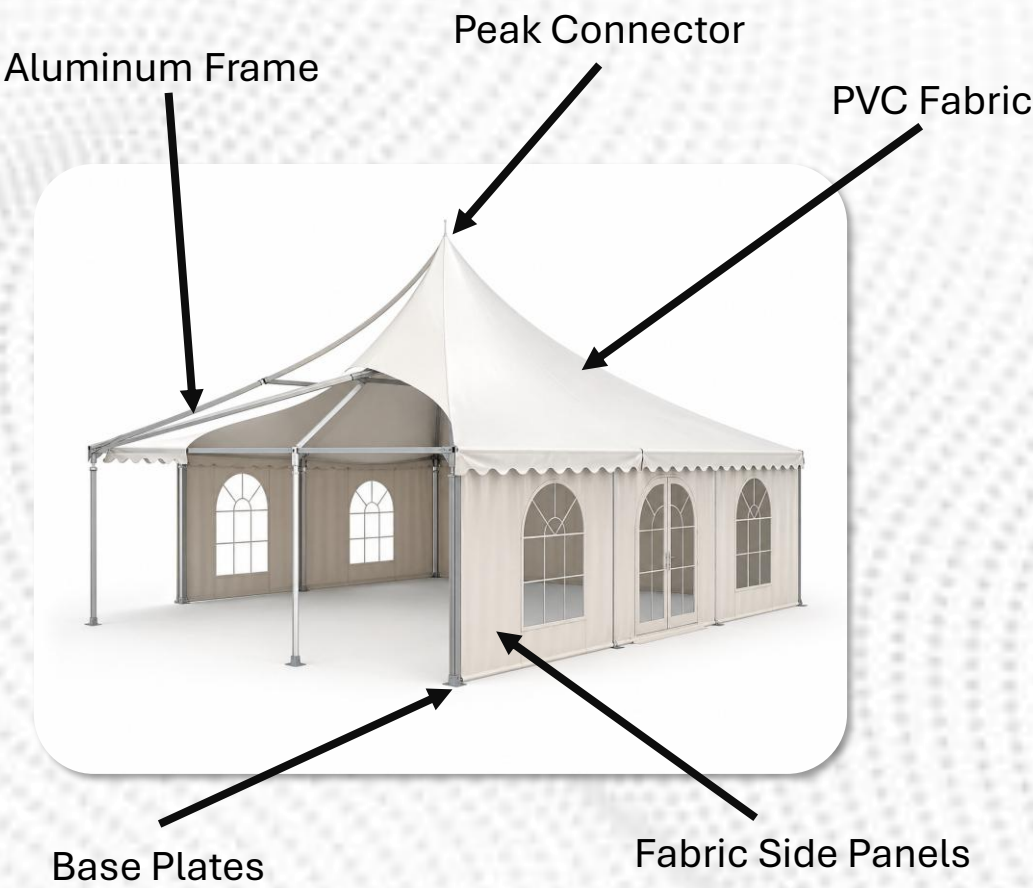
Aluminum Frame

PVC Fabric



Base Plates

STRUCTURAL POSSIBILITIES



STRUCTURAL POSSIBILITIES



Aluminum Frame

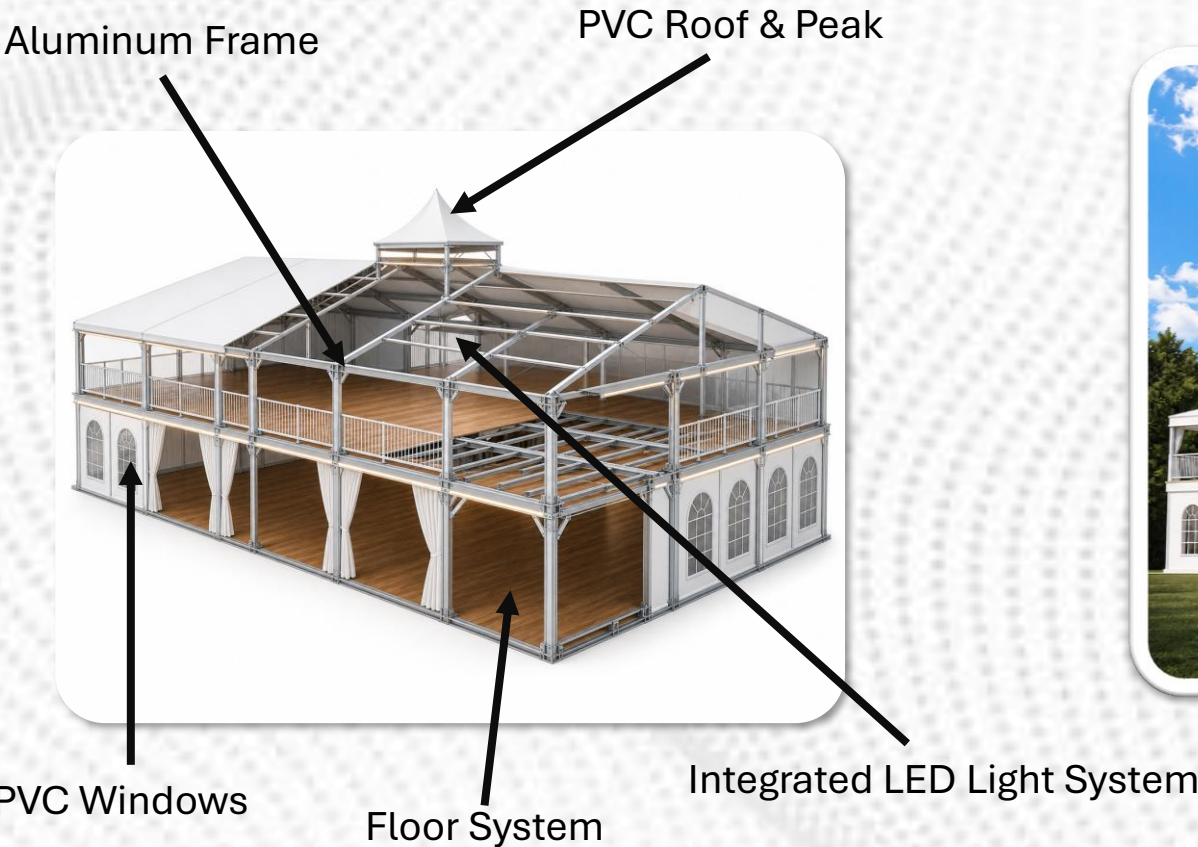
PVC Fabric



Base Plates

Floor System

STRUCTURAL POSSIBILITIES

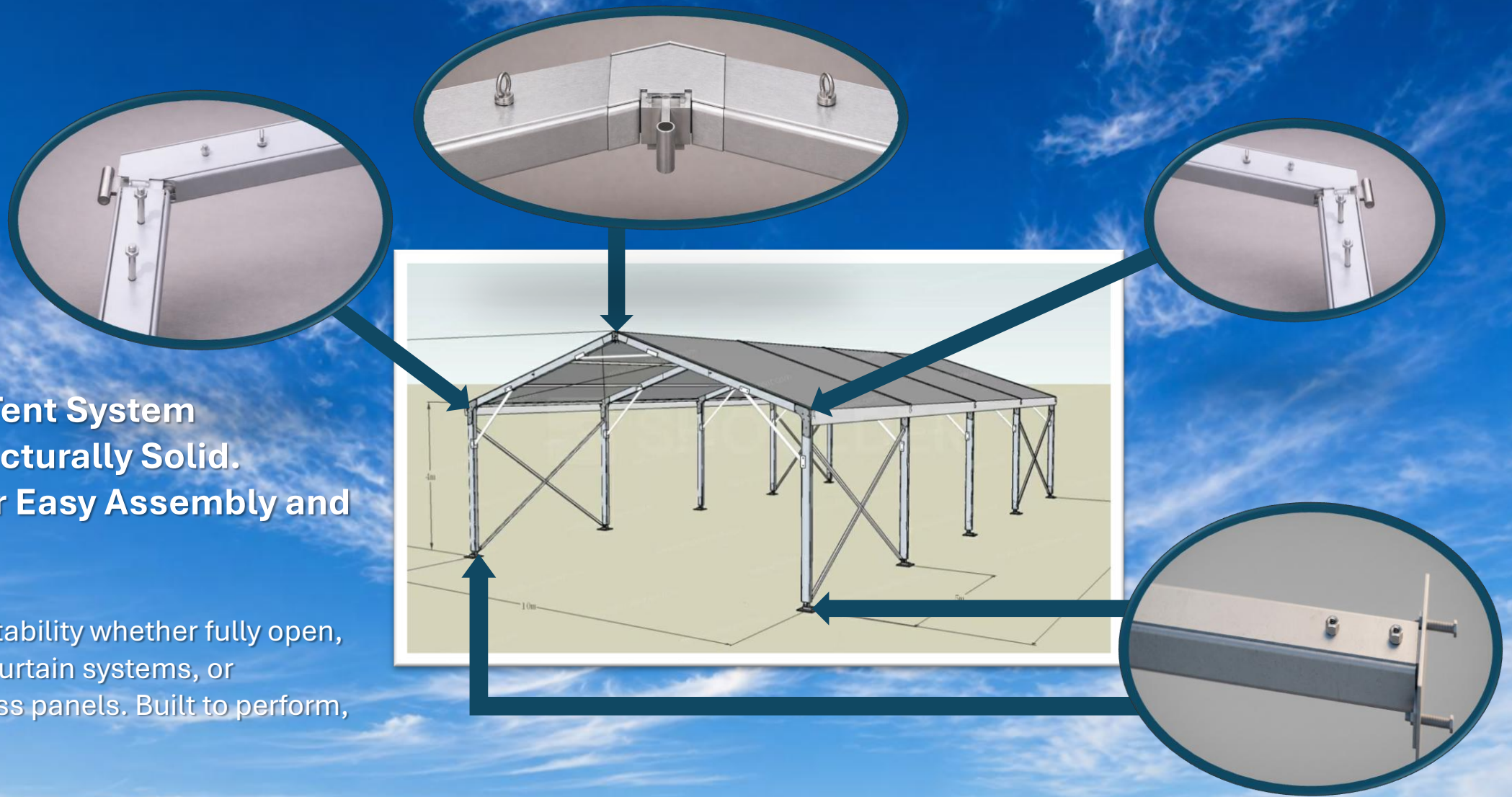




ENGINEERED COMPONENTS

The Ultimate Tent System
Versatile. Structurally Solid.
Engineered for Easy Assembly and
Disassembly.

Designed for adaptability whether fully open, with fabric walls, curtain systems, or integrated with glass panels. Built to perform, built to last.



Engineered Stability Through Integrated Tensioning

Every structural element is carefully engineered with a fully integrated tension rod system, designed to achieve maximum stability and precise load distribution. These tension members work in unison with the aluminum frame, reinforcing the structure against lateral forces and maintaining alignment under varying conditions. The system is pre-calculated and structurally optimized, allowing it to withstand strong wind pressures with confidence. This level of engineering ensures not only strength, but a refined structural behavior—delivering a stable, reliable framework built for real-world outdoor performance.



Multi-Point Intersection Connection System

This section features a four-way intersection, engineered as part of a uniquely developed connection system that allows multiple structural members to converge seamlessly into a single, unified joint. Each component is precisely aligned and integrated, enabling a smooth and solid interaction across all connecting elements. The geometry of the connection ensures proper load transfer and balanced force distribution, eliminating weak points typically found in conventional joints. This results in a rigid, well-locked framework that maintains structural integrity even under dynamic conditions. What appears simple is in fact a highly considered system where precision engineering enables strength, stability, and effortless assembly in one cohesive solution.



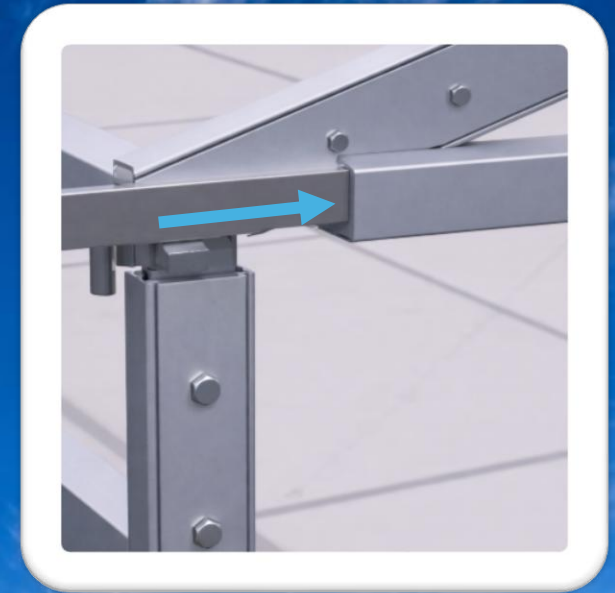
LockCore Post Column System

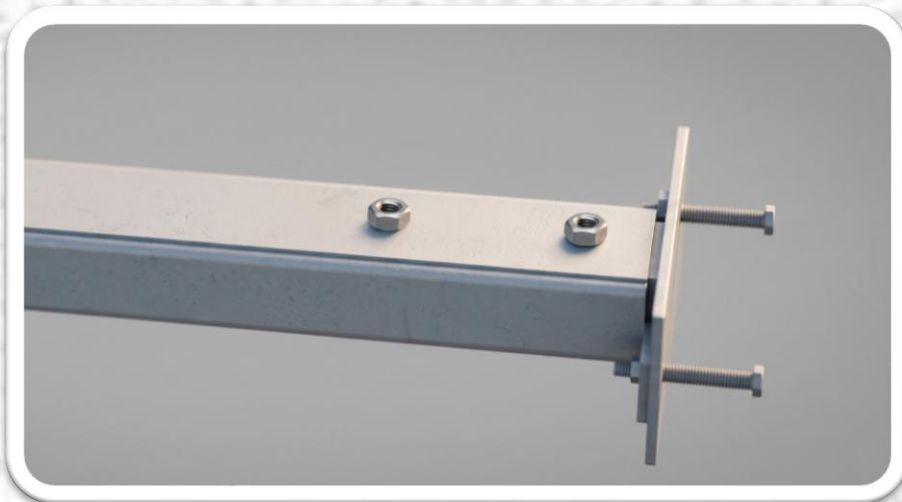
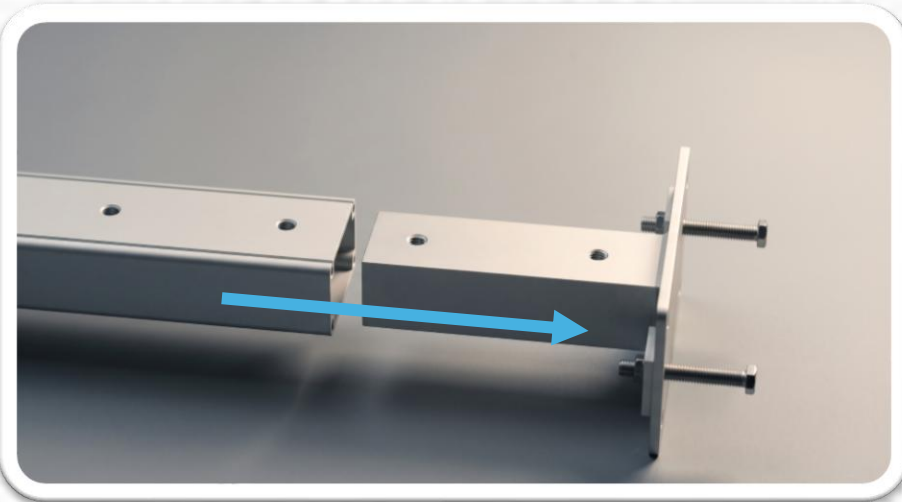
A uniquely engineered post-to-beam connection designed for both ease of installation and structural stability. The system allows precise insertion and guided locking of components, enabling fast assembly while ensuring a firm, well-aligned connection at every joint. Behind its simplicity is a highly considered mechanism where geometry, fit, and fastening work together to create a stable, load-bearing interface. This eliminates guesswork on site and reduces installation complexity without compromising strength. What appears effortless is the result of deliberate engineering a refined column system that delivers reliability, efficiency, and structural confidence in every build.



NMG Gravity-Lock Connector

The main beams are designed to simply hook into position, guided by the NMG connector system an intelligently engineered interface that transforms installation into a precise, controlled action. Once engaged, the geometry of the connector applies a natural downward locking force, allowing the weight of the truss and the tensioned fabric system to reinforce the connection. As loads increase, the joint tightens creating a self-securing mechanism that enhances overall structural integrity. This results in a stable, unified framework where each component contributes to a stronger whole. What feels effortless in assembly is backed by deliberate engineering delivering speed, reliability, and structural confidence in one seamless motion.

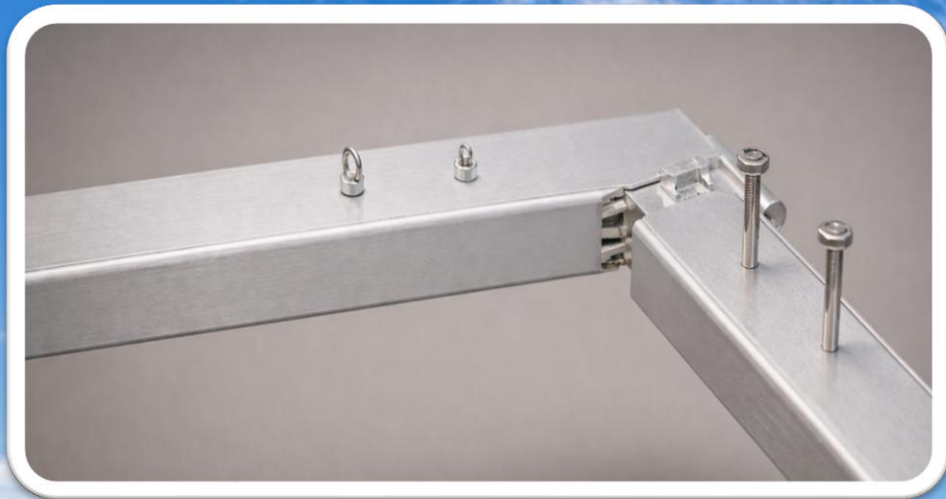
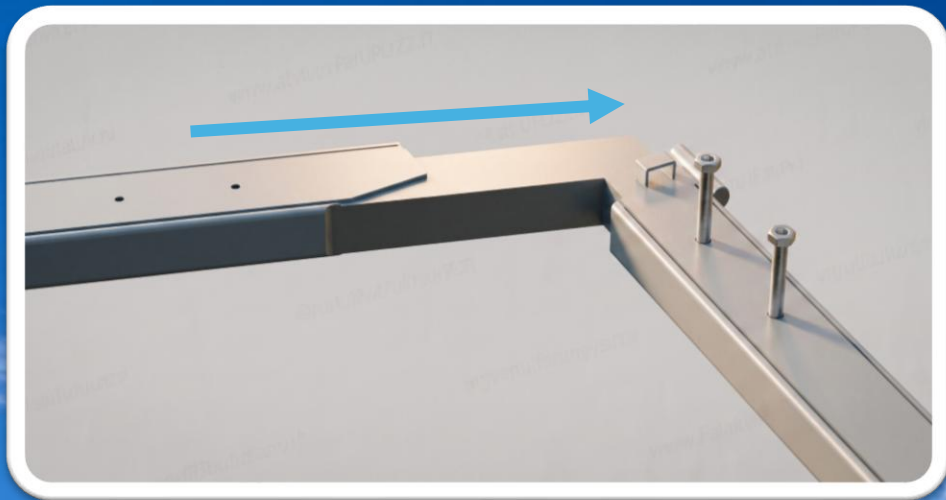




Engineered Aluminum Connection System

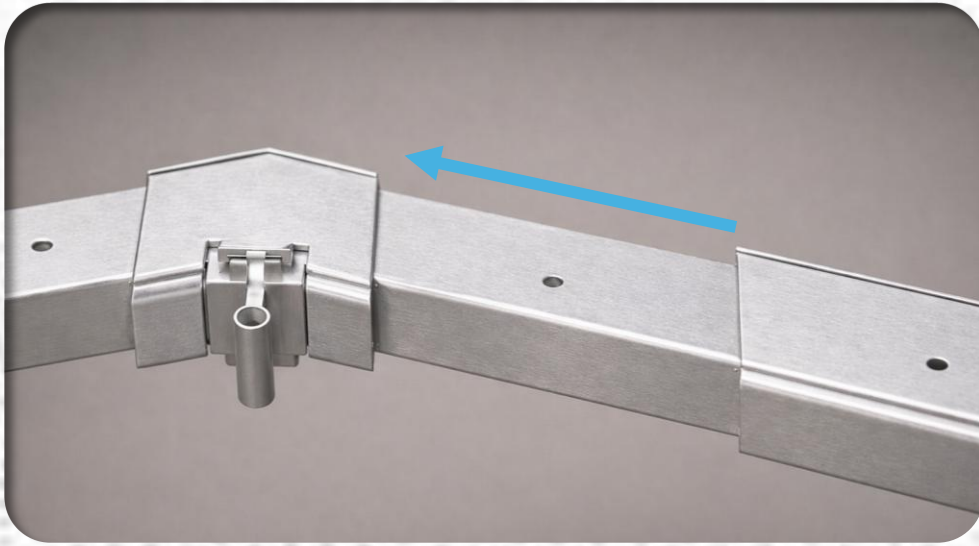
Crafted from precision-formed aluminum with an anodized silver finish, each joint delivers both structural strength and refined elegance no priming or painting required. Tight-fit insertion ensures zero play, while the bolted system allows for fast assembly and disassembly without compromising rigidity. Every connection locks seamlessly, creating a stable, durable framework designed for repeated use with a clean, finished appearance.





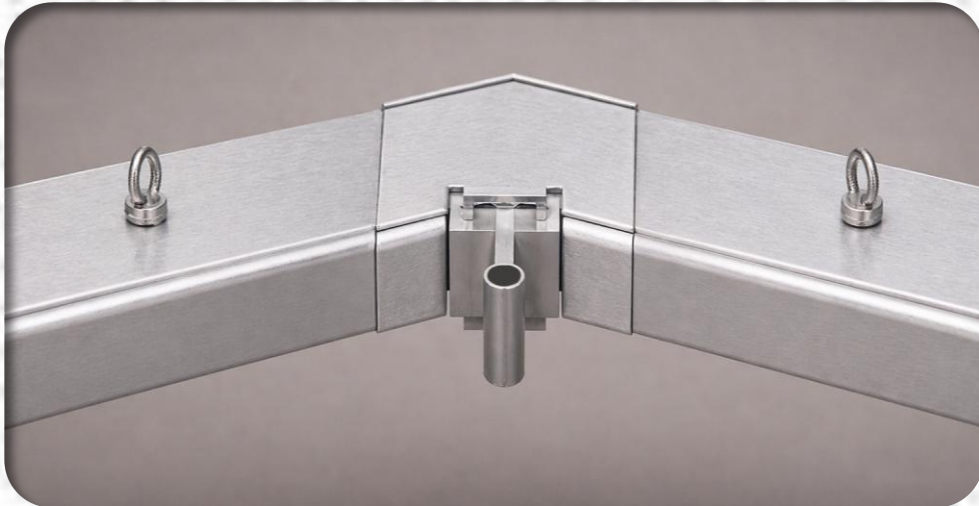
Refined Connections Hidden Strength

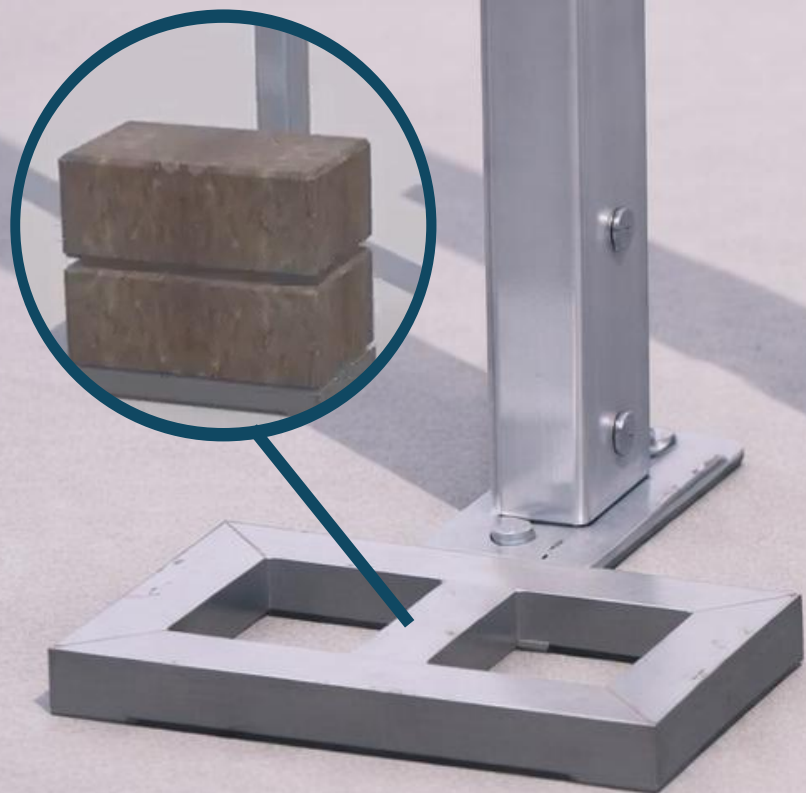
Custom-designed bolts and fasteners are fully integrated into the system, creating a clean, seamless aesthetic. The true strength lies within the internal connection baffles, which precisely position and lock each joint into a secure, unified fit. This concealed engineering delivers a rigid, solid structure eliminating sway and unwanted movement, with no creaking, only quiet stability.



ApexFlow Ridge Joint

Engineered for both performance and protection, the ApexFlow Ridge Joint enables a smooth, uninterrupted flow of fabric during installation. Its rounded edge geometry minimizes abrasion, safeguarding the membrane under tension and wind movement. Integrated provisions for tension rods allow the system to unify and distribute loads efficiently, enhancing overall structural strength. Designed with calculated precision, the joint delivers stability and durability performing reliably under standard outdoor conditions and elevated wind loads alike.

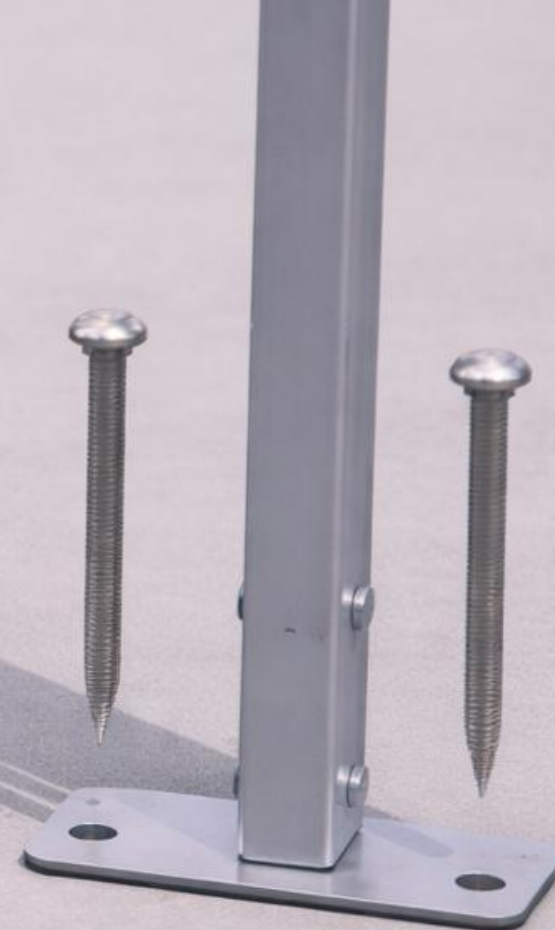




Load Bearing Plate Fixed



Expansion Screw Fixing

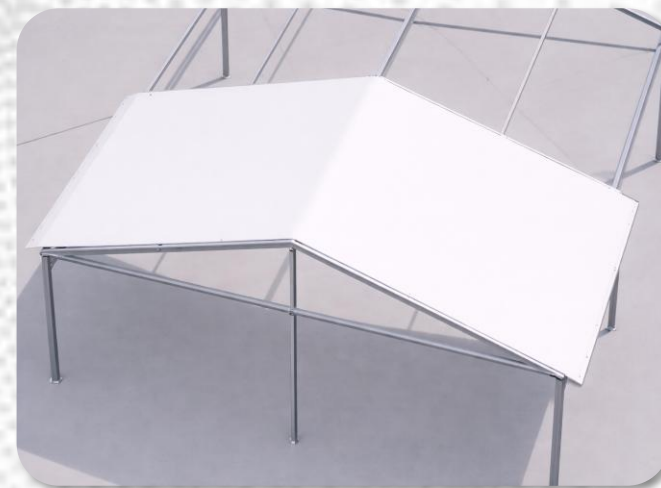


Steel Brazing



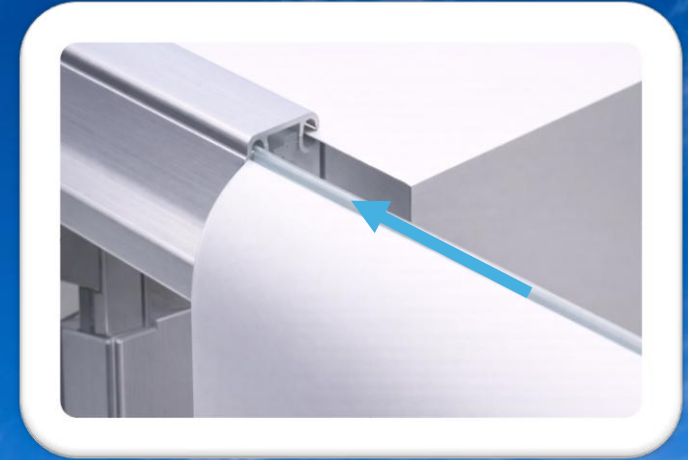
FabricFlow Installation System

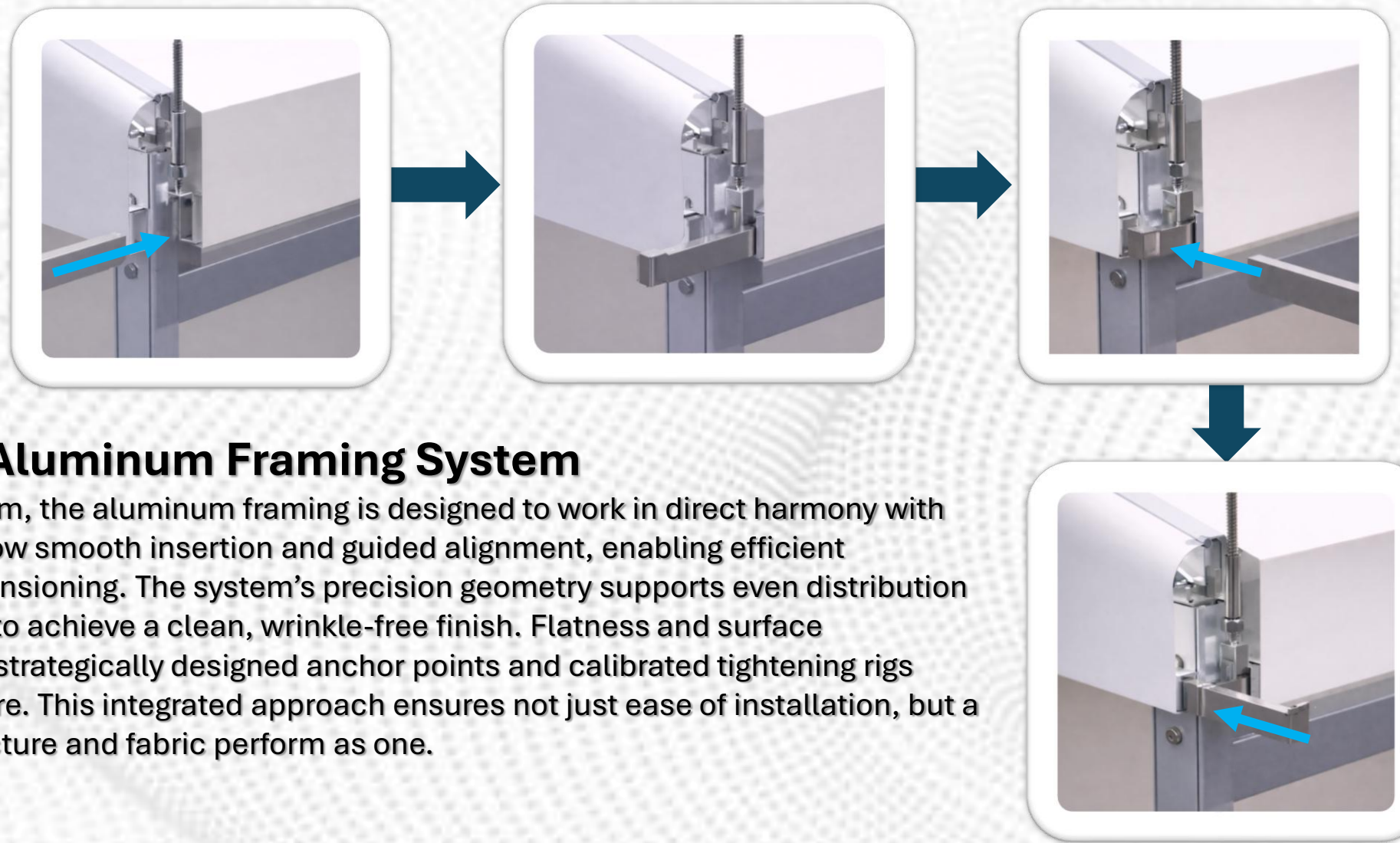
The structural system is engineered not only for strength, but to work in complete harmony with the tensile fabric forming a unified, fully integrated assembly. Each component is designed to guide smooth insertion, proper alignment, and controlled tensioning during installation. This ensures that the fabric is not merely installed, but precisely tightened across the frame eliminating wrinkles and surface irregularities. The result is a clean, continuous surface that reflects both structural integrity and refined execution. A system where fabric and structure flow as on—delivering a tight, stable, and professional finish every time.



Seamless Corner Integration System

The corner intersection is meticulously engineered to achieve a clean, uninterrupted fabric finish eliminating visual breaks and preserving the purity of form. Each component aligns with precision, allowing the membrane to flow naturally across edges and corners. This detail is where engineering meets design ensuring that nothing is left to chance. The result is a refined structure that not only performs but presents itself as a complete architectural solution. Built to global standards of quality, the system delivers a professional finish that integrates effortlessly into modern landscape and built environments.





Fabric-Integrated Aluminum Framing System

Engineered as a unified system, the aluminum framing is designed to work in direct harmony with the tensile fabric. Profiles allow smooth insertion and guided alignment, enabling efficient installation with controlled tensioning. The system's precision geometry supports even distribution of forces, allowing the fabric to achieve a clean, wrinkle-free finish. Flatness and surface consistency are governed by strategically designed anchor points and calibrated tightening rigs embedded within the structure. This integrated approach ensures not just ease of installation, but a refined final form where structure and fabric perform as one.

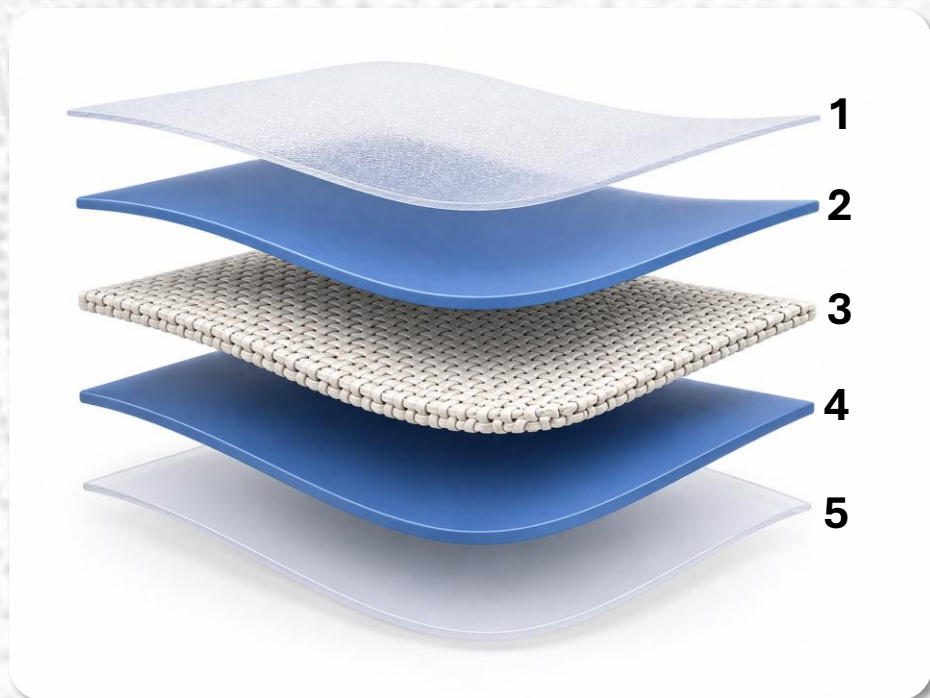


Flexible Curtain Wall System

The side walls are designed as a smooth sliding curtain system, allowing effortless opening and closing depending on the need. This enables natural airflow for open-breeze environments, reducing reliance on air-conditioning. The system transforms the structure into a multifunctional space fully enclosed when needed, or completely open for events and gatherings. It provides the flexibility to adapt layouts, allowing tables and activities to extend freely beyond boundaries. Designed for comfort, freedom, and versatility making every space responsive to its purpose.



Fabric Tensile Membrane Layers



1. Top Surface Treatment

Enhances Surface Smoothness, Dirt Resistance, UV Protection, Cleanability, and Aging Resistance

2. Top PVC Coating

Weather Resistance, Color Stability, Flexibility, and Flame-Retardant Performance

3. Polyester Base Fabric

The polyester base fabric serves as the main structural reinforcement, providing core strength while improving tensile strength and tear resistance.

4. Bottom PVC Coating

Waterproofing, Dimensional Stability, protection of the base fabric.

5. Back Surface Finish

Interior appearance, Handling, Cleanability, Light Blocking, Heat Behavior, Anti-scratch, Anti-slip.





Tensile Strength

Testing Standards

Test	Standard
GSM / Grams per square meter / GSM	EN ISO 2286-2
Yarn linear density / Denier	DIN ISO 2060
Temperature resistance / Low-temperature behavior	DIN EN 1876-1
Quality management & European standard compliance	ISO 9001 / DIN EN
Tensile Strength	EN ISO 1421
Tear Strength	DIN 53363
Flame Retardancy	DIN 4102 / GB 8624
Adhesion Strength	EN ISO 2411



Tear Strength



Flame Retardancy



Adhesion Strength

PROJECT PORTFOLIO



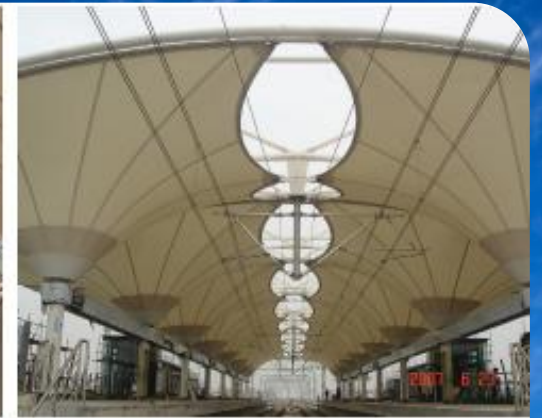


Macau Olympic Stadium



Exhibition Hall in Kuming World Expo Park, Kunming City, Yunnan Province, China





LRT Station Canopies in Shanghai, China



Dongshan Railway Station in Taiwan



The Stadium of Guangdong University of Industry in Guangzhou City





Natatorium Canopy in NPUST, Taiwan





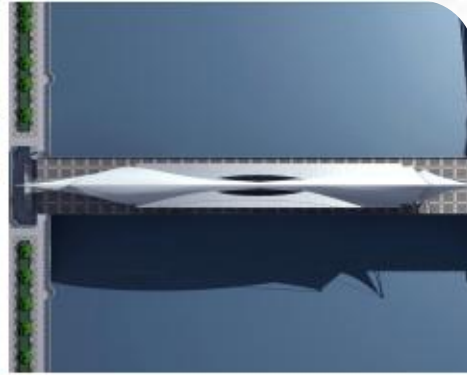
Hager Qin and Mnajdra Temples in Malta





Sports Stand Canopy in NZUE, Taiwan





The Corridor Roofing in Cuiping Shan, Dazhou City, Sichuan Province, China





Sports Stand Canopy in NZUE, Taiwan



The Corridor Roofing in Cuiping shan, Dazhou City, Sichuan Province, China





Boluo Stadium in Boluo Country, China



Tennis Court of Shi Ji Lian Sports Center in Foshan City, Guangdong



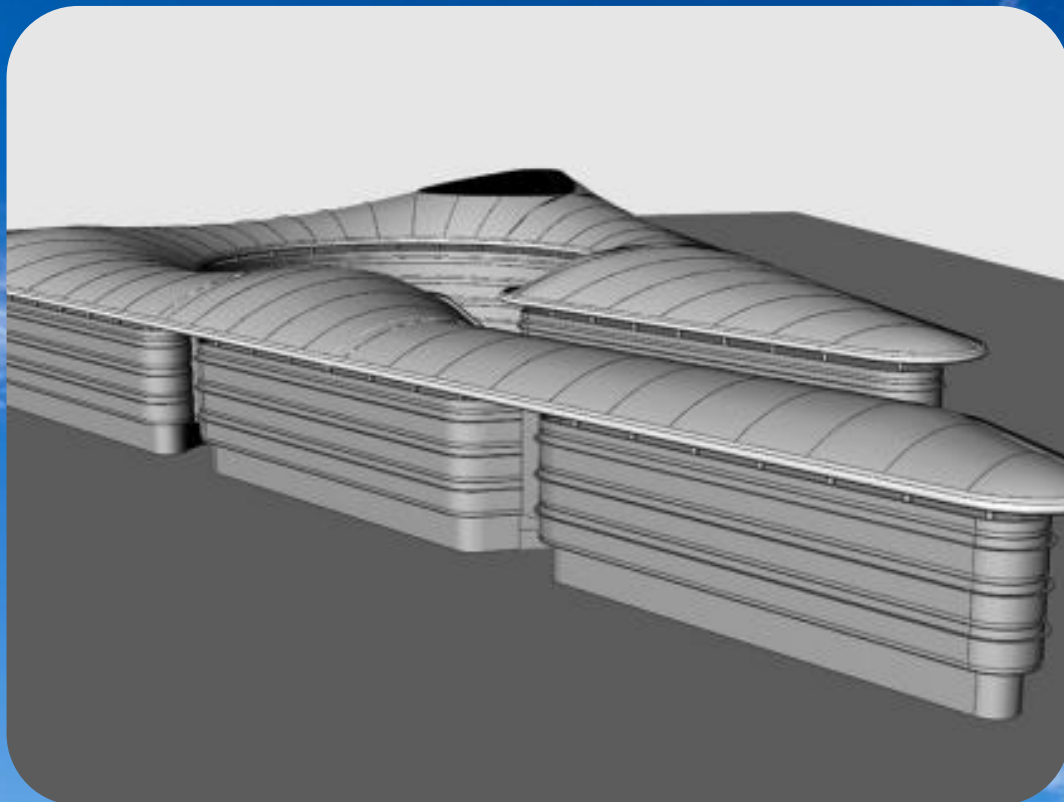


Malaysia Electron Center Square Membrane Structure



Square Decoration Made Specially for the First Lighting Festival in China





Turin Stadium in Italy



International Furniture Expo Mall in Foshan City , Guangdong Province, China





Guigang Stadium in Guigang City, Guangxi Province, China



Foshan School Corridor Shade Canopy in Foshan City, Guangdong Province, China





Bailong School Playground Shade Canopy in Zhaoqin City, Guangdong Province, China



Tainong Factory Car Parking Shade Structure in Guangzhou City, China





Shilong Carport Shade in Dongguan City, Guangdong Province, China



Xibu Tent Hotel Tensile Membrane Roof in Huizhou City, Guangdong Province, China





Huizhou East Tent Hotel Membrane Structure in Huizhou City, Guangdong Province, China



Playground Car Parking Shade Structure in Huizhou City, Guangdong Province, China





Walkway Shade in Heyuan City, Guangdong Province, China



B27, Shing lee Commercial Building,
8 Wing Kut Street, Central, Hong kong

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