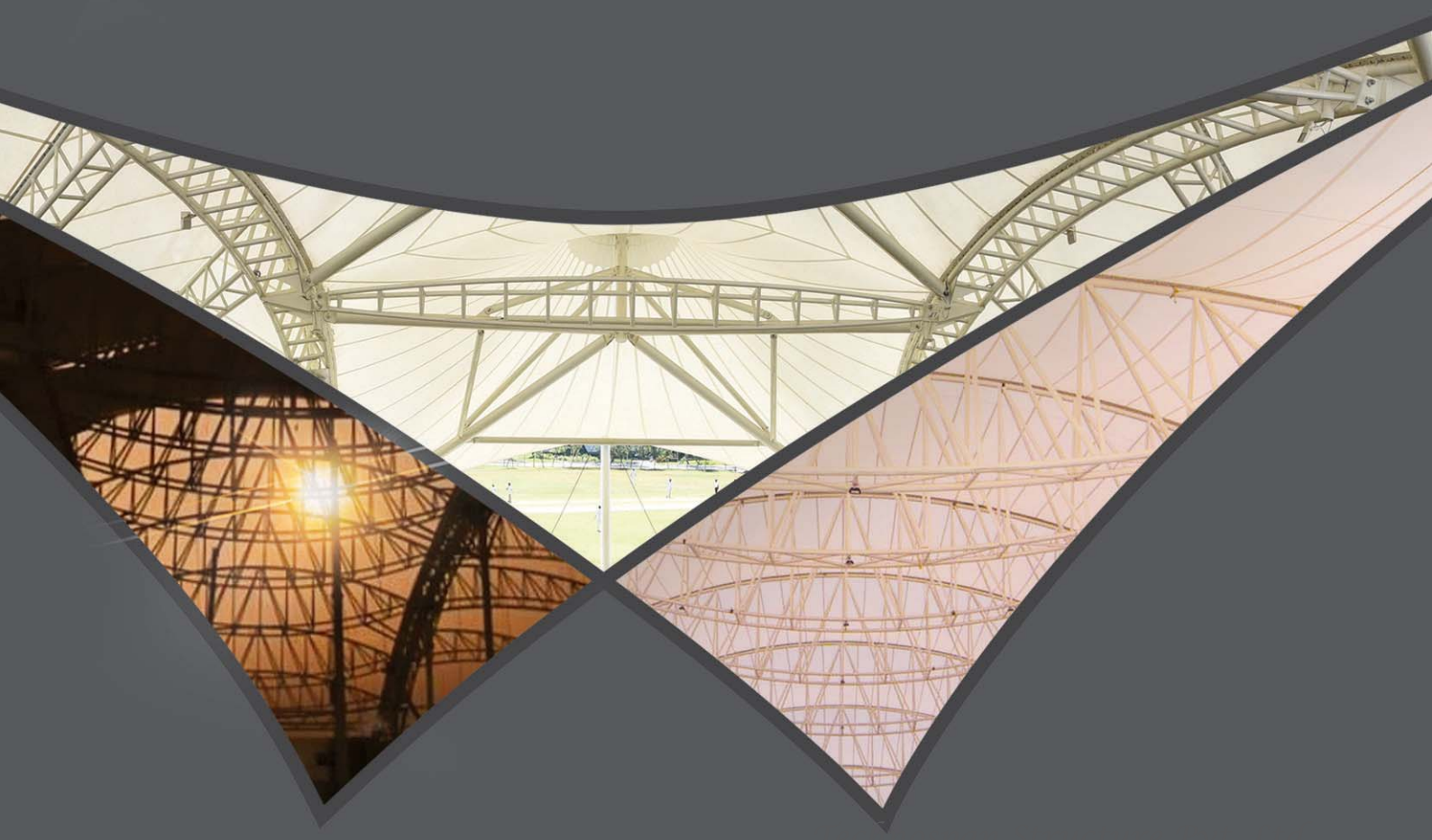
Designed to impress.
Created to last.



Technospan
Structures

Technospan Structure Pvt Ltd

Designing and building the ultimate forms in membrane architecture

MORE THAN
0.6 MILLION SQ. MTRS
OF FABRIC STRUCTURE

OVER
19 YEARS
OF EXPERIENCE
IN THE FIELD OF FABRIC
ARCHITECTURE

Designing | Engineering | Fabrication | Installation
| Maintenance

Technospan
Structures

Technospan Structure Pvt Ltd

Technospan Structures Pvt Ltd are the specialists in the design, manufacturing and installation of tensile fabric structures, fabric facades, large area retractable roofs, modular and dismantlable tents, parking shades, have created an infographic showing the benefits of tensile fabric structures.

The versatility of tensile fabric structures create a visual focus of attention and can be used for a variety of applications like covered walkway, outdoor dining canopies, parking shades, central courtyard of shopping malls and large building complexes, airport terminals, railway and metro rail stations, grands for play grounds and stadiums etc.

Imaginative designs can be created and constructed with minimum structural steel frames and supports due to its outstanding possibilities of manufacturing large span panels, folding, transportation and tensioning.

Tensile fabric structures are lightweight compared to other types of constructions, but also extremely strong and long lasting. They are designed to withstand even the most severe weather conditions, like cyclones, sand storms, extreme hot & cold, even can bear the sow loads and also provides protection from both the rain and sun.

Technospan's tensile fabric structures are manufactured using fabric which is highly UV resistant and has outstanding reflective properties, ensuring protection from the sun.

Technospan's range of fabric canopies are available in a wide variety of colours, ideal for creating aesthetically appealing structures to fit with existing surroundings or to create a focal point. Tension Structures by TECHNOSPAN provides expertise in design-build services helping architects and clients to develop their tensile membrane project ideas, construct iconic structures and ultimately create a compelling and exciting atmosphere.

Tension structures or tensile fabric structures are architecturally innovative forms of construction art that provide designers and end users a variety of aesthetic free-form canopy designs utilizing membranes such as PVDF coated PVC fabric or PTFE coated fiberglass fabrics. Design-build tensile fabric structures are engineered and fabricated to meet worldwide structural, flame retardant, weather proofing and natural forces requirements.

Commercial

Tension structures or tensile structures, are architecturally innovative forms of construction art that provides designers and end users a variety of aesthetic free-form canopy designs utilizing membranes such as PVC-coated fiberglass or PTFE. Tensile fabric structures offer a variety of functional benefits including exceptional daylighting and durability, flexible design capabilities, lightweight nature, minimal maintenance, cost efficiencies, and a range of membrane choices.

Design-build tensioned fabric structures are engineered and fabricated to meet worldwide structural, flame retardant, weather proofing and regional load requirements. The Tension Structures division of TECHNOSPAN, provides elegant and unique solutions for architects, general contractors, owners/ developers and anyone who is looking to spice up the ambiance of their environment.

Design build solutions for tensile fabric structure

Entertainment & Retails

When it pertains to entertainment venues or retail spaces, tensile fabric structures are model candidates for providing generous natural daylight and signature aesthetics for concert goers or shopping patrons. The lightweight nature of fabric membranes allows for efficiently spanning long distances while providing unobstructed sight lines. This is an important feature for performances at amphitheatres, stage canopies, and entries to retail stores or food courts.

Tension Structures, a division of TECHNOSPAN, provides expertise in design-build services helping architects and clients to develop their tensile project ideas, construct iconic structures and ultimately create a compelling and exciting atmosphere for music fans and retail consumers. Whether it's a permanent durable PVC/ PTFE/ETFE membrane/foil canopy or deployable flexible PVC fabric structure, Tension Structures by TECHNOSPAN will help discover new solutions to conventional design challenges.

Institutional

For institutional facilities such as schools, universities, hospitals and government sites, tensile fabric structures offer numerous functions such as walkway or entrance canopies, protective weather coverage, or accent features at museums, courtyard complexes or convention centres. Fabric membranes have many benefits including diffused daylighting, a lightweight flexible nature, low maintenance, long-term durability, and a variety of fabric selections for specific performance criteria.

Architects and designers create their ideas knowing the unique look of a tensile membrane structure will adapt to most client expectations. Providing nearly unlimited options with distinctive aesthetics, Tension Structures by TECHNOSPAN can provide turn-key services for your next custom design-build project.

Sports, Parks and Recreation

Whether you are a spectator watching a sporting event or kids playing around at a playground, tension fabric structures are effective solutions for shade protection from harmful UV rays or shelter from the elements. While new trees may take decades to provide adequate shade, a tension fabric structure can perform immediately and eliminate years of uncomfortable sun exposure.

Tension Structures, a division of TECHNOSPAN, provides design-build tensile architecture expertise for such project applications as grandstand canopies for sporting venues, shade canopies over picnic and park areas, and recreational pool sides. Not only visually appealing with excellent durability and daylighting but also environmentally sensitive, tensile membrane structures help architects and owners enhance their athletic and park complexes offering reduced construction costs with minimal maintenance compared to traditional building materials.

Transportation

When you are at an airport or standing at a bus stop, having protection from the weather is important for any commuter. Tension fabric structures are not only functional shading products and weather barriers with the ability to span long distances with minimal structural supports, but they also allow architects and designers to experiment with form and shape to create exciting signature projects.

Fabric canopies over bridges, walkways, or at transit curb side stations are perfect applications for Tension Structures by TECHNOSPAN. Offering a variety of architectural PVC or PTFE fabrics, we specialize in design, engineering, fabrication and installation services of custom tensile membrane structures meeting specific performance requirements for any transportation.

Benefits of Tensile Fabric Structures

Coverage

Tensile fabric structures can cover an expansive covered area. With minimum required supports, tensile fabric structures are practical as they provide large open space underneath to allow the maximum use of the covered area.

Flexible Design Aesthetics

Tensile fabric structures are light weight and versatile in shape and forms. They provide a unique range of dynamic and exciting three-dimensional shape options

Tensile fabric structures create a visual focus of attention and provide a dramatic impact.

Versatile

Tensile fabric structures are versatile in design, making them the ideal solution for various applications. Uses include, stunning entrance canopies, walkways, out door and indoor food courts, parking shades, large scale stadiums etc.

Lightweight

Tensile fabric structures are light weight compared to any other conventional roofing solutions, but extremely stronger as well. Tensile fabric structures are a quick and efficient way to cover to a large area with minimal structural disruptions.

Color Range

Tensile fabric structures are available in a wide variety of colors, ideal for creating aesthetically appealing canopies.

Vibrant and contemporary colours enable the canopies to fit with existing surroundings or to create a statement structure.

Weather Proof

Tensile Fabric structures are durable and designed to withstand even the most severe weather conditions. Tensile fabric structures provide protections from both sun and rain.

The fabric material is UV resistant and has reflection properties, ensuring the protection form sun.

Beautifully Diffused Daylighting

Translucency of the Tensile fabric material allows beautifully diffused day lighting inside the structure and can be avoided artificial lights in the day time and can save energy.

Minimal Maintenance

Designed and engineered membrane structures need minimal maintenance like cleaning the membrane surface in an interval of certain period, checks for connection hardwares, repainting / coating after the warranty period of coating material. The fabric material is UV resistant and has reflection properties, ensuring the protection from sun.

Durability & Sustainability

Tensile Fabric structures are durable better than conventional roofing solutions. Durability depends the efficiency of design, selection of materials, maintenance, environment of the structure installed etc..There are different membranes are available offering warranty from 10 years up to 25 years.

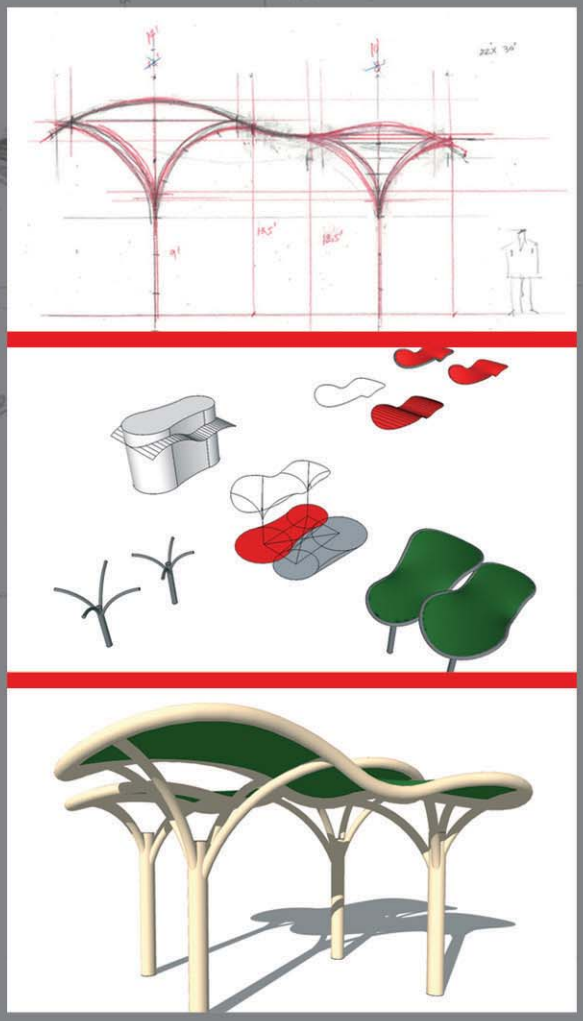
Type of materials used in technospan structures

PVC
High Concentrated PVDF coated / Acrylic mixed PVDF Coated PVC fabric.

ETFE
Ethyl Tetra Fluro Ethelene foils

PTFE
Polytetrafluoroethylene coated glass fibre reinforced Fabric.

ePTFE
Expanded Polytetrafluoroethylene Membranes



Design & Development

More often than not, tensile architecture often requires a design strategy involving a wide variety of shapes, materials, and tensioning decisions. Offering design assist services working with architects and owners, TECHNOSPAN preliminary design and rendering capabilities will help bring your tensioned fabric structure to life.

It all starts with your idea, plan or concept. With your imagination and TECHNOSPAN expertise, we will work together to configure the most efficient and economical design using only high-quality tensile membranes that offer grace, beauty, strength, and functionality. Challenging to envision in two-dimensional views, TECHNOSPAN rendering capabilities showcases proposed concepts in 3D from any desired angle to answer, enlighten, identify and/or resolve any issues.

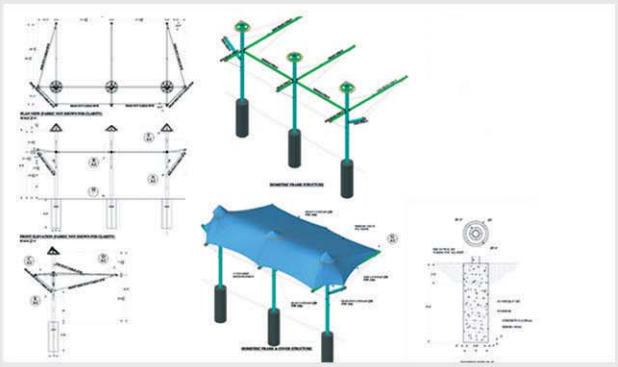
Whether it's a permanent durable PVC /PTFE membrane canopy or deployable flexible PVC fabric structure, Tension Structures by TECHNOSPAN will help you discover new solutions to conventional design challenges.

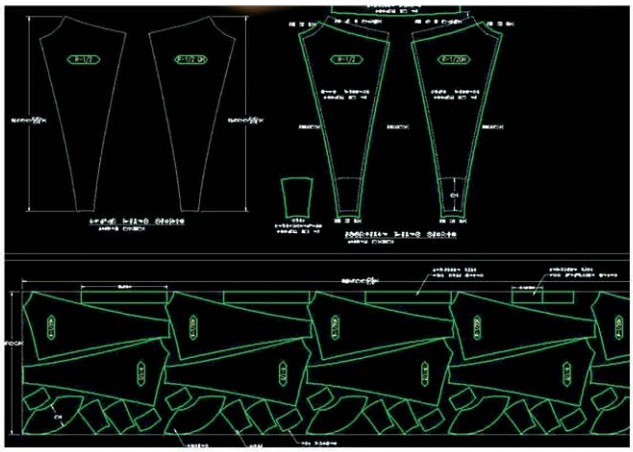
Engineering services

Once a functional and feasible design concept has been developed, engineering of the tension fabric structure can begin. TECHNOSPAN engineering services include everything required to certify our tensile structures with permitting authorities for stress, wind, snow and/or seismic activities.

These services include:

- Structural Design Calculation determine reaction forces of the structure under simulated loads such as the wind, gravity, and pretension of fabric and cables.
- Engineering calculations to ensure the structure is suitable for the loads in your city or region, whether it is 145 Km/h wind / storm in west coast of India or 210 Km/h cyclones or hurricanes winds in eastern coast of India or similar in any parts our business regions in overseas.
- Support Reaction forces to check the stability of buildings or to design suitable foundations as per the load bearing capacity of the area where the structure is going to be installed.
- Optimization of frame structure member sizing and anchoring.
- Precise fabric patterning of the tension structure membranes to ensure a tight and wrinkle free fit.
- Engineering drawings and calculations suitable for local permitting authorities.
- Detailed and approved shop drawings and work shop drawing for manufacturing.
- As build drawings after the execution of the work.
- Maintenance manual for period maintenance for the long lasting and durability of the structures.





Manufacturing services

After final engineering is completed, manufacturing and fabrication of the membrane and structural steel begins. During the fabrication phase, prestress PVC or PTFE fabric membrane is cut and welded to create final panel sizes to be installed in the field. Once the manufacturing of the membrane and steel members are finished, packaging of the materials are carefully handled for shipping and unpacking at the job site. Operating from a 3000 square meter manufacturing facility with over 20 years of experience, there are virtually no limitations to the size and complexity of tensile structures that we can build. TECHNOSPAN is an Certified and accredited Fabricator with most of fabric manufacturing companies with the ability to construct nearly any conceivable tensioned fabric structure.

30 m long 20 KW HF (High Frequency) travelling machines 3-4 stationery and HF Heat Sealing Machines to weld PVC (Polyvinyl Chloride) and other high-frequency textile fabrics. Swedish made.

- Repeatable and reliable technology
- Strong, durable and even welds
- Air, gas and waterproof welds
- Multilayer welding
- An environmentally friendly choice

High-temperature PTFE (Polytetrafluoroethylene) heat sealing machine to weld fabric membranes.

Industrial sewn membrane covers with HDPE (High-Density Polyethylene) mesh or solid Acrylic fabrics.

Conveyor type fabric pattern plotting, cutting, scanning and digitizing services for engineered precision cutting patterns - Made in Switzerland

Table type fabric pattern plotting, cutting, scanning and digitizing services for engineered precision cutting patterns – Made in New Zealand

Abrasion machine for grinding special non-weldable for fabrics. Made in Italy

Roller Swaging Machine for wire rope swaging – Made in Sweden

Installation services

The construction phase of tensile systems is a critical element to the overall success of a project. Our installation department is certified to construct the most elaborate tensioned fabric structures and help build your dream into a reality. As a design-build specialty contractor, TECHNOSPAN dedicates long hours of planning and attention to detail creating an installation procedure utilizing necessary equipment and manpower for each custom PVC or PTFE OR ETFE projects.

Typical equipment that may be operated to assist in tension structure installations includes Cranes, Construction Forklifts, Booms lifts, and Scissor Lifts. Maintenance manual for periodical maintenance for the long lasting and durability of the structures.

Technospan Structures

Technospan Structure Pvt Ltd

Projects

AMRITA INSTITUTE OF MEDICAL SCIENCES

Project: Circular Dome for Central Courtyard
Year of construction: 2013
Designer: Technospan Structures Pvt Ltd

Project description
Size: 22m dia dome
Surface Area: 1562 smt,
Fabric: 1002 S2 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari .

Technospan Scope of work:
Complete Structural Design, calculations,
analysis, fabrication and erection and Maintenance

ATLAS IDEAL INTERNATIONAL SCHOOL - MALAPPURAM KERALA.

Project: Central Courtyard and Terrace roof
Designer: Technospan Structures Pvt. Ltd.
Architect: Paper Shadow Architects - Trichur -Kerala

Project Description
Surface Area: 3500 smt
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work:
Complete Structural Design, calculations,
analysis, fabrication and erection and Maintenance

INFOSYS CHENNAI AMPHITHEATER
MAHINDRA WORLD CITY

Project: Amphitheater cum Stadium Grand Stand
Year of construction: 2015
Architect: Mohan and Associates – Bangalore
Structural Consultants: TRC International – Bangalore

Project description
Surface Area: 3850 smt,
Fabric: TX-30 Type-IV, 1350 gsm PVDF coated PVC Fabric from Serge Ferrari.

Technospan Scope of work:
Complete Structural Design, calculations,
analysis, fabrication and erection and Maintenance

INFOSYS CHENNAI BUS BAY MAHINDRA WORLD CITY

Project: Bus bay area walkway and Terminals for pick and drop
Year of construction: 2016
Architect: Mohan and Associates – Bangalore
Structural Consultants: TRC International – Bangalore

Project description
Surface Area: 4350 smt,
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari.

Technospan Scope of work:
Complete Structural Design, calculations,
analysis, fabrication and erection and Maintenance

INFOSYS CHENNAI FOOD COURT

Project: Outdoor food court
Designer: Technospan Structures pvt Ltd
Year of construction: 2015
Architect: Mohan and Associates Bangalore
Structural Consultant: Smart mind Engineering Bangalore

Project description
Size: 90 m x 30m
Surface area: 3780 smt
Fabric: TX 30 Type III. PVDF coated PVC fabric from Serge Ferrari

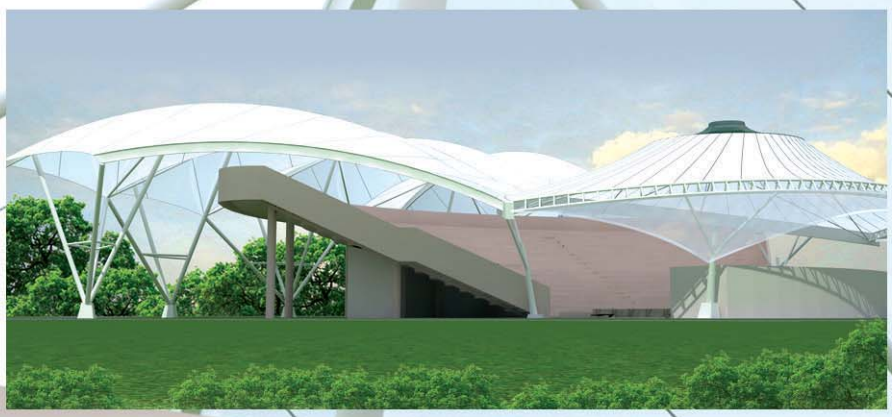
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance

INFOSYS PUNE PHASE - II, AMPHITHEATER

Project: Amphitheater
Year of construction: 2016
Architect: Mohan and Associates – Bangalore
Structural Consultants: TRC International – Bangalore

Project description
Surface Area: 3650 smt,
Fabric: TX-30 Type-III, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance



INFOSYS AMPHITHEATER, MANGALORE

Project: Amphitheater.
Consultant: TRC International- Bangalore

Project description
Surface Area: 5600 smt
Fabric: TX-30 Type-III PVDF Coated PVC fabric from Serge Ferrari

Technospan Scope of work:
Complete Structural Design, calculations,
analysis, fabrication and erection

KANHA SANTHIVANAM - SAHAJ MARG SPIRITUALITY FOUNDATION (SMSF)

Consultant : Creator Architects, Delhi

Project description
Main Hall: 165 m x 130 m
Satellite Structure: 6 Nos: 3500 smt Each
Main Hall Celling: 20,000 smt
Total Surface Area: 65,000 smt ,
Fabric: Ferrari TX-30 Type-III
Ceiling: Alphalia AW Acoustic Fabric from Serge Ferrari

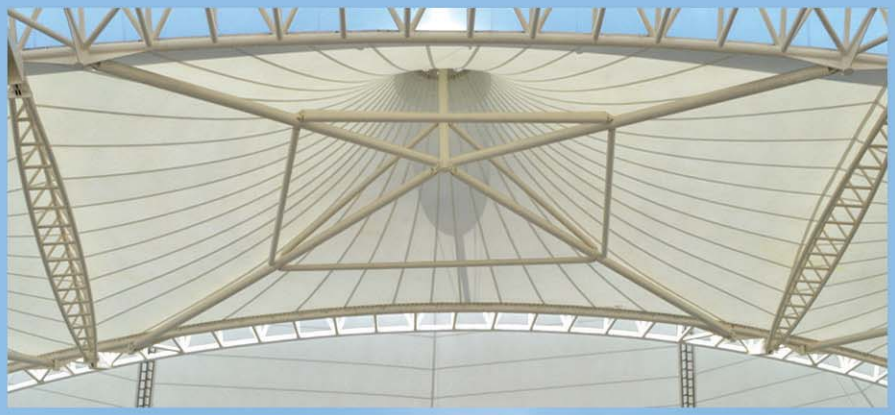
Technospan Scope of work:
Complete Structural Design, Calculations,
Analysis, Fabrication and Erection.

KERALA VETERINARY AND ANIMAL SCIENCE UNIVERSITY- WAYNAD – KERALA

Project: Open Air Theater (OAT)
Year of Construction: 2013
Designer: Technospan Structures Pvt Ltd
Structural Scrutiny: Prof. Ahmed Kutty – Retd Principal TKM College of Engineering-Kollam-Kerala

Project description
Size: 56m x 18m
Surface Area: 1350 smt
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance



TCS AMPHITHEATRE

Project: Amphitheater
Architect Principal Designer: Carl Otts- South America
Consultants: Seamac Consultants – Bangalore- India

Project description
Surface Area: 4250 smt
Fabric: TX-30 Type III from Serge Ferrari

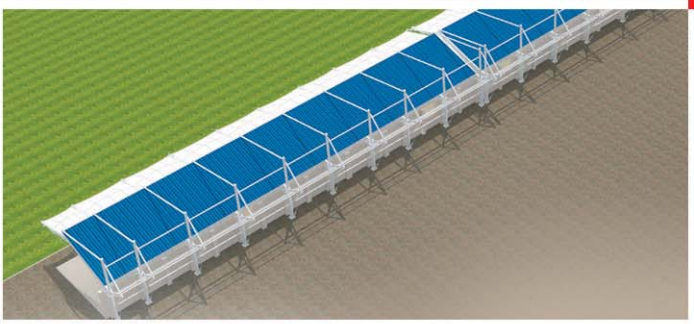
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection

BORDER SECURITY FORCE (BSF) CHAWALA -DELHI

Project: Parade Ground grand stand Canopy
Year of Construction: 2018
Designer: Technospan Structures Pvt Ltd
Structural Scrutiny: IIT Banaras Hindu University -Varanasi-UP

Project description : Size: 150m x 13m
Surface Area: 2300 smt
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance



CHANDIGARH AIRPORT

Project: Chandigarh International Airport – Chandigarh - Punjab-India.
Consultant: Technospan Structures Pvt Ltd
Structural Scrutiny: IIT- Delhi

Project description
Size: 150 m x 13 m Main structure and 30m x 10 walkway 2 nos.
Surface Area: 3200 smt,
Fabric: 1002 T2-Type II-1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

DAYANANDA SAGAR UNIVERSITY PLAY GROUND

Project: Mini Stadium Parade Grand Stand Canopy.
Year of construction: 2017
Consultant: Technospan Structures Pvt Ltd
Structural Consultants; Smart Mind Engineers- Bangalore

Project description
Size: 90m x 9m – cantilever canopy
Surface Area: 900 smt,
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance

DB MALL

Project: Atrium Roof at Middle Courtyard
Consultant: Technospan Structures Pvt Ltd
Structural Consultants; Bentel Associates – Mumbai

Project description
Surface Area: 1500 smt,
Fabric: TX-30 Type Precontraint PVDF coated PVC Fabric from Serge Ferrari
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

KERALA SCIENCE PARK- COCHIN

Project: Planetarium Building main Roof
Year of Construction: 2016
Designer: Technospan Structures Pvt Ltd

Project description
Size: 28m dia dome
Surface Area: 800 smt,
Fabric: Type II PVC fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance.

DELHI AIRPORT AERO CITY PROJECT

Project: Flower Sculpture- Aero City – Delhi International Airport Ltd
Consultant: Wouter and Associates- Rotterdam-The Netherlands
Structural Consultants; BMSF Consultants -Delhi - India

Project description
Size: 28m x 16m – 4 nos inverted and normal cone combination
Surface Area: 1260 smt,
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance

IIM BANGALORE

Project: IIMB- Swimming Pool–India.
Consultants: Mind Space Architects – Bangalore- India

Project description
Size: 70 m x 22 m Main structure / 70 x 8m side covering
Surface Area: 2415 smt,
Fabric: 902 S2 - Type II (Main roof) and 950 gsm from Serge Ferrari
(side covering PVDF coated PVC Fabric.

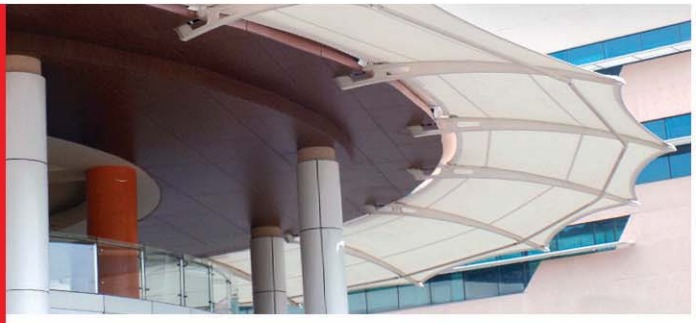
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

INFOSYS PUNE PHASE -II, FOOD COURT CANOPY

Project: Canopy around food court
Year of construction: 2015
Architect: Mohan and Associates – Bangalore
Structural Consultants: TRC International – Bangalore

Project description
Surface Area: 2250 smt,
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance



INFOSYS PUNE - CENTRAL COURTYARD

Infosys Pune phase 2. SDB 10 and 11
Project. Canopy at central court yard
Year of Construction: 2015
Designer: Technospan Structures Pvt Ltd
Structural Consultant: TRC International Bangalore
Size of the structute 38m x 17m
Surface area: 780 smt x 2 nos = 1560 smt
Fabric: TX 30 type II pvdf coated PVC fabric from Serge Ferrari

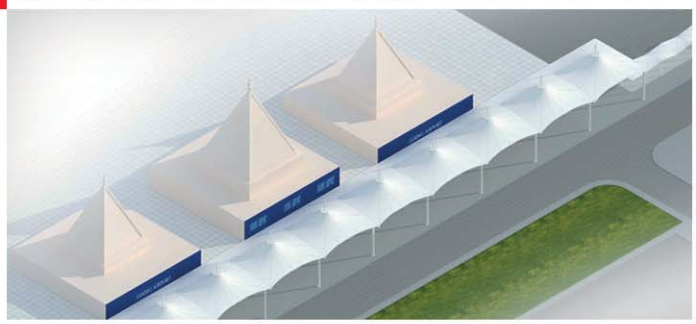
Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance

JAMMU AIRPORT

Project: Jammu Airport - Jammu & Kashmir-India.
Consultant: Technospan Structures Pvt Ltd
Structural Scrutiny: IIT- Banaras Hindu University- Varanasi – India

Project description
Size: 150 m x 15 m Main structure in City side / walkway / entrance / Airline Office canopy etc..
Surface Area: 4500 smt
Fabric: 902 S2 - Type II 950 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.



INFOSYS PUNE PHASE II

Project: Various Entrance Gate Canopies
Year of Construction: 2016
Consultant: Technospan Structures Pvt Ltd
Structural Consultants: TRC International, Bangalore

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

JW.MARRIOT – BANGALORE

Project: Swimming Pool and Coffee shop
Year of Construction: 2015
Designer: Technospan Structures Pvt Ltd

Project description
Surface Area: 950 smt
Fabric: TX-30 Type-II, 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection and Maintenance

KANNUR INTERNATIONAL AIRPORT

Consultant: KITCO- Cochin- Kerala
Structural Scrutiny: NIT Calicut (NITC)

Project Description:
a) Architectural Face Lifting Using Fabrics and cables 2500 smt
b) Walkway Canopy from Parking to Terminal : 1550 smt
Total Surface Area: 4300 smt
Fabric: TX-30 Type-II / FT 381 combination from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

VARANASI AIRPORT

Project: Varanasi International Airport- Utter Pradesh--India.
Consultant: Technospan Structures Pvt Ltd
Structural Scrutiny: IIT- Banaras Hindu University- Varanasi – India

Project description
Size: 210 m x 15 m Main structure in City side / walkway / entrance
Surface Area: 4250 smt,
Fabric: 02 S2 - Type II 950 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

VIJAYAWADA AIRPORT

Project: Vijayawada Airport – Vijayawada- Andra Pradesh-India.
Consultant: Technospan Structures Pvt Ltd
Structural Consultants: NIT- Calicut (NITC)

Project description
Size: 220 m x 12 m Main structure in City side and Air side.
Surface Area: 3650 smt,
Fabric: TX-30-Type II-1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

JLPL ENTRANCE GATE

Project: Falcon Gate Chandigarh- India.
Consultant: Technospan Structures Pvt Ltd
Structural Consultants; JLPL inhouse

Project description
Size: 26 x 10 m cantilever both side 46m x 10m.
Surface Area: 460 smt,
Fabric: TX-30 S2-Type II-1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work:
Complete Structural Design,
calculations, analysis, fabrication and erection.

BUKIT JALIL NATIONAL STADIUM

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing: Technospan Structures Pvt. Ltd. India

SULTAN AZLANSHA STADIUM MALAYSIA

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing: Technospan Structures Pvt. Ltd. India

LEGOLAND

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing: Technospan Structures Pvt. Ltd. India

QATAR PETROLEUM PRIMARY SCHOOL IN DUKHAN

Consultant: Qatar Design Consortium (QDC) Doha Qatar
Client: Qatar Petrolium.
Main Contractor: Almana Engineering -Qatar.

Project description
Surface Area: 4450 smt,
Fabric: TX-30 Type-II. 1050 gsm PVDF coated PVC Fabric from Serge Ferrari

Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.

KELAB GOLF DIRAJA DARULNAIM

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

KTSB

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

MOVIE ANIMATION PARK STUDIOS

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

MUSIUM NEGERA MALAYSIA

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

UNIVERSITI MALAYSIA TERENGGANU

Main Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

UNIVERSITI PENDIDIKAN SULTAN IDRISMAIN

Contractor: Catonic Sdn Bhd
Designer and Membrane manufacturing:
Technospan Structures Pvt. Ltd. India

Retractable Roofs

As specialists for convertible membranes and lightweight roofs, we provide design and engineering from a single source. Together with specialized companies, we can offer all services for the successful implementation of your project.

PAVILION SKYBAR

In the center of Stockholm, our first prototype of a freestanding membrane pavilion with a convertible roof was launched in May 2016.

STOCKHOLM 2016
Area: 130 m²
Structure: Steel structure consists of an elliptical compression ring, supported by V-shaped columns
Fabric: PTFE fabric

Courtesy: Projects from our German Partner for Retractable Mechanism

MÜNCHNER KÜNSTLERHAUS

The courtyard provides an enclosed outdoor area, often involved in events and receptions. To become independent of weather conditions, a temporary weather shield was designed and implemented as a convertible roof membrane.

GERMANY 2014
Area: 210 sqm
Structure: Moving membrane slides along four supporting cables, stretching in fan-shaped geometry from the central node of the construction to attachment points
Fabric: PTFE Fabric

Courtesy: Projects from our German Partner for Retractable Mechanism

D´GASS, BUCHS

The “Metzgergasse” in Buchswas redeveloped as part of the urban pedestrian area and designed as a special meeting place for all kinds of events.

SWITZERLAND 2014
Area: 525sqm
Structure: Foldable roof membrane slides along 4 parallel rails.
Fabric: PTFE Fabric

Courtesy: Projects from our German Partner for Retractable Mechanism

FORTRESS KUFSTEIN

The designers developed a delicate, centricalcable structure. A membrane located in its center can be unfolded during bad weather conditions, similar to a huge umbrella.

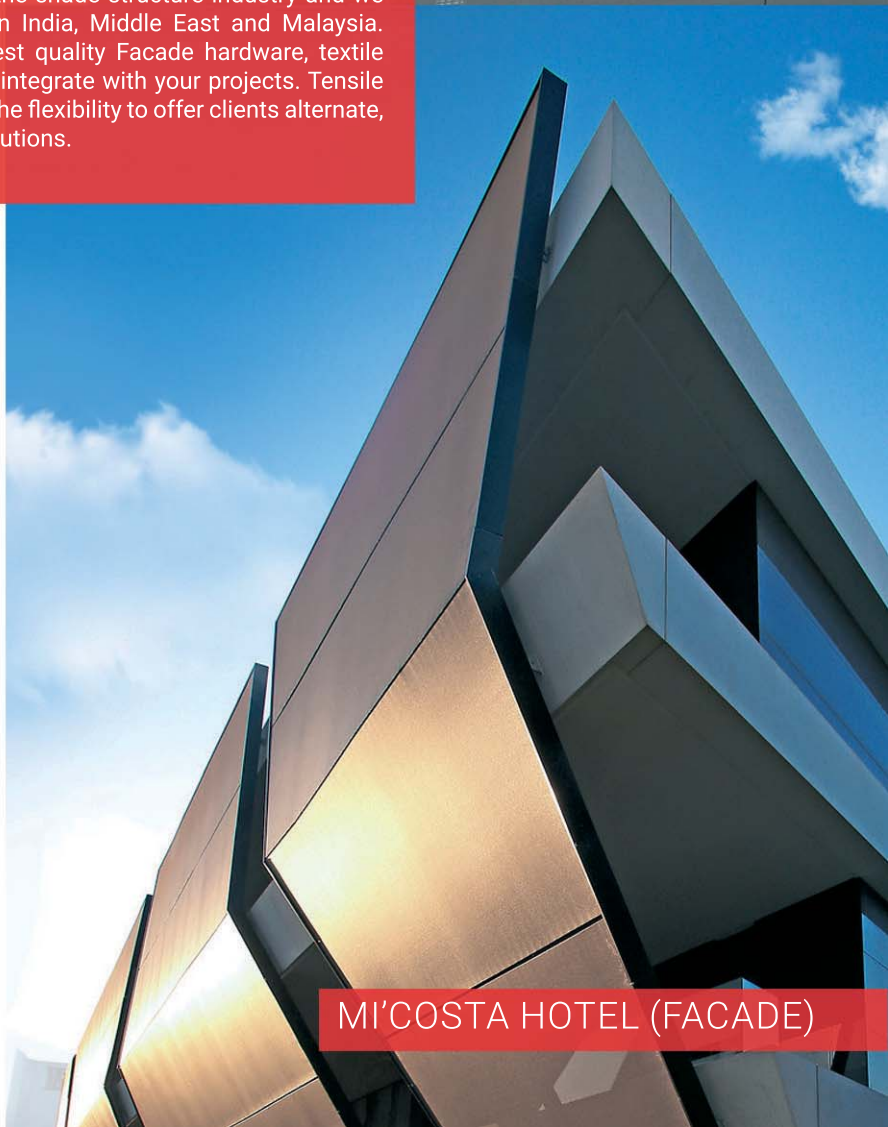
AUSTRIA 2006
Area: 2000 sqm
Structure: The bearing structure for the membrane covers a circular floorplan, consisting at the outside of a polygonal pressure ring.
Fabric: PTFE Fabric

Courtesy: Projects from our German Partner for Retractable Mechanism

PS PHOTO FAÇADE

Tensile Facades

Tensile Facades is an exciting and cost-effective architectural application to aesthetically transform and enhance the look of any building. TECHNOSPAN is one of the most respected names in the shade structure industry and we are proud to be owned and operated in India, Middle East and Malaysia. We recommend and use only the highest quality Facade hardware, textile fabrics, and digital graphics products to integrate with your projects. Tensile Facades enables architects & designers the flexibility to offer clients alternate, affordable & low-maintenance design solutions.



MI'COSTA HOTEL (FACADE)

Reference photos from Serge Ferrari Projects

RICE UNIVERSITY

Application and Possibilities

New Design | Conservative Renovation | Added UV Protection | Increase LEED Energy Performance | Sustainability | Corporate Branding

LUANDA MULTISPORTS PAVILION

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