

# Company Profile



*Technospan Structures Pvt Ltd*

[www.technospan.co.in](http://www.technospan.co.in)

## TENSILE MEMBRANE STRUCTURES

DESIGN

ENGINEERING

FABIRCATION

INSTALLATION

MAINTENANCE

PVC – PTFE – ETFE – HDPE  
MEMBRANES

*Technospan Structures Pvt Ltd- India*

*Technospan Middle East WLL-Qatar*

*Technospan-Catonic SDN BHD-  
Malaysia*

India

No: 229/10, 1st Floor, Oil Mill Road Compound,  
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Ph: +91 80 41151199, Fax +91 80 41200568  
Mobile +91 9449820028 / 8095039999  
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+974 40063657  
Email : [sales@technospan.co.in](mailto:sales@technospan.co.in) / [infoqatar@technospan.co.in](mailto:infoqatar@technospan.co.in)

Malaysia

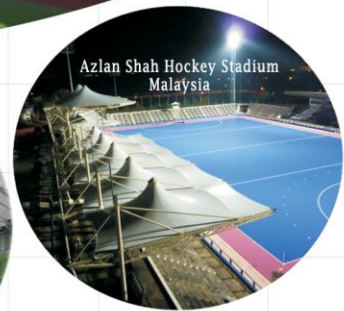
574-A, Jalan Samudra Utara 1  
Taman Samudra, 68100 Batu Caves  
Selangor- Kuala Lumpur  
Tel : +603-6188 8816  
Fax : +603-6188 081  
Email: [sales@technospan.co.in](mailto:sales@technospan.co.in)

Branches in India : Cochin, Chennai, Mumbai and New Delhi.



## Technospan Structures Pvt Ltd.

DESIGN | ENGINEERING | FABRICATION | INSTALLATION | MAINTENANCE



### Head Office

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Green Glen Layout, Bellandur,  
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Website : www.technospan.co.in  
Mobile : +91 9538875100



Overseas Offices : Malaysia/Kuwait/Qatar & Kenya.





We are one of the largest tensile companies in India, Malaysia and Qatar, specialised in Fabric Tensile Structures and have more than 0.6 million sq meter of fabric structure installation base in India and Malaysia.

With a wealth of design, manufacturing and installation experience we offer a fast and efficient turnaround of both large and product based structures, for all types of exterior, interior and exhibition environment.

Our staff brings over 12 years' experience in the field of fabric architecture from concept to visualization, design, engineering, manufacture and installation. Employing a wide variety of fabric types, we create any imaginable shape or form in any size to suit your design and budget.

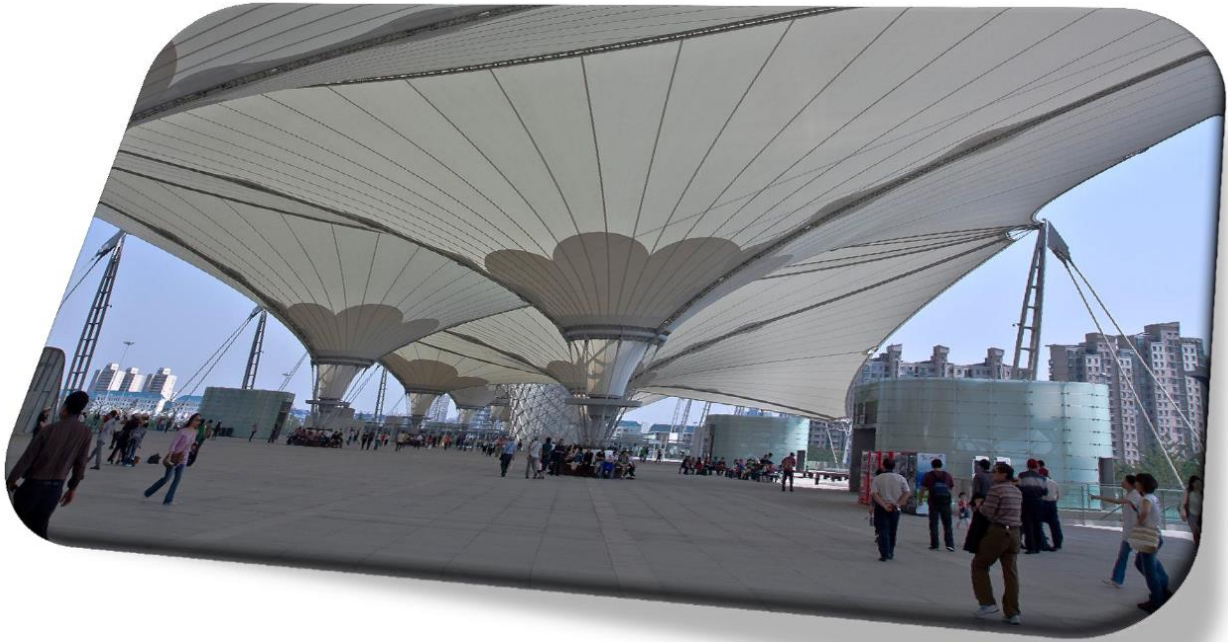
Many different fabrics are available that meet the rigorous requirements of today's environment.

We provide simple, but sensible design advice. During initial consultation we work with the client, offering information on both design details and fast installations, finally providing budgets and quotations with confirming details 3D renderings of the possible structure. As you will see from our portfolio the range of structures completed vary in scale, from large stadiums, convention centers shopping Malls, air ports, large scale amphitheaters, swimming pools roofing, entrance gate canopies to large fabric interior ceilings. Please visit our site [www.technospan.co.in](http://www.technospan.co.in) for further details.

Our state of the arts fabric and steel manufacturing facilities in Bangalore and , Vadodara India and in Malaysia has all the facilities to execute large membrane structure and steel structures.

Our design teams are well equipped and trained with most relevant design software for membrane structures from Germany which has been used for most of the major Olympic stadiums and outstanding structures worldwide. Also our design teams are leading by qualified designers from German Universities, and our European design partners have more than 3 decades experience in the field of membrane structures designing, engineering, fabrication and installations.

We are recommending Fabric structures as it is the fifth building construction material, aesthetically proven structure having ability to take required shape with high level of reflectivity of heat.



### SOFTWARE AND SUPPORTS

At **Technospan**, we use the **TechNet Easy software** from Germany, the most advanced and reliable software for membrane engineering which is used for most of the Olympic stadiums, Air ports, train stations etc. Jawaharlal Nehru Stadium in Delhi, Beijing Bird nest stadium in China. National Stadium Malaysia the latest example for this software.

For the steel analysis we use **Easy Beam** and for optimising the member sizes we use **Dlubal Rstab**, the only software can do the nonlinear analysis of the membrane nonlinear forces, out of these Easy Beam is the part of Technet and Rstab are German software.

Software licence agreement copy is given below.



## SOFTWARE LICENSE AGREEMENT

Between the

**ABDUL SATHAR T K, FLAT NO-405, MAK PARK VIEW, GREEN GLEN LAYOUT  
BELLANDUR, BANGALORE-560103, KARNATAKA STATE, INDIA**  
hereafter called Customer

and

**TECHNET GMBH GRÜNDIG+PARTNER  
AM LEHNSHOF 8, D-13467 BERLIN, GERMANY**  
hereafter called technet

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Berlin, the 25<sup>th</sup> July 2013

Bangalore, the

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Fax +49 30 219 4027

technet GmbH gründig + partner

Abdul Sathar



In India we have facility for the steel fabrication in Hoskote Industrial area in Bangalore and in Por Industrial area, Vadodara in Gujarat. Also, have associated with few of the large fabrication companies for steel fabrication for massive structures. For membrane seeming process, we have High Frequency welding machine in Vadodara targeting the fast delivery of the membranes for our Indian operation. Also, we have plotter machine for fabric plotting and cutting.

### **Fabrication, Installation and Maintenance.**

Our production and execution facility is currently functioning with full swing operations in India, Qatar and Malaysia. Most of our equipment for fabric welding, patterning and rope swaging machines and tools are well engineered European machineries. Our company follows the entire industrial standard internationally accepted for manufacturing and erection of the membrane structures.



High Frequency Welding Machine from Forsstrom- Sweden



Conveyor Type Fully Automatic Plotter Cutting Machine –Zund-Switzerland





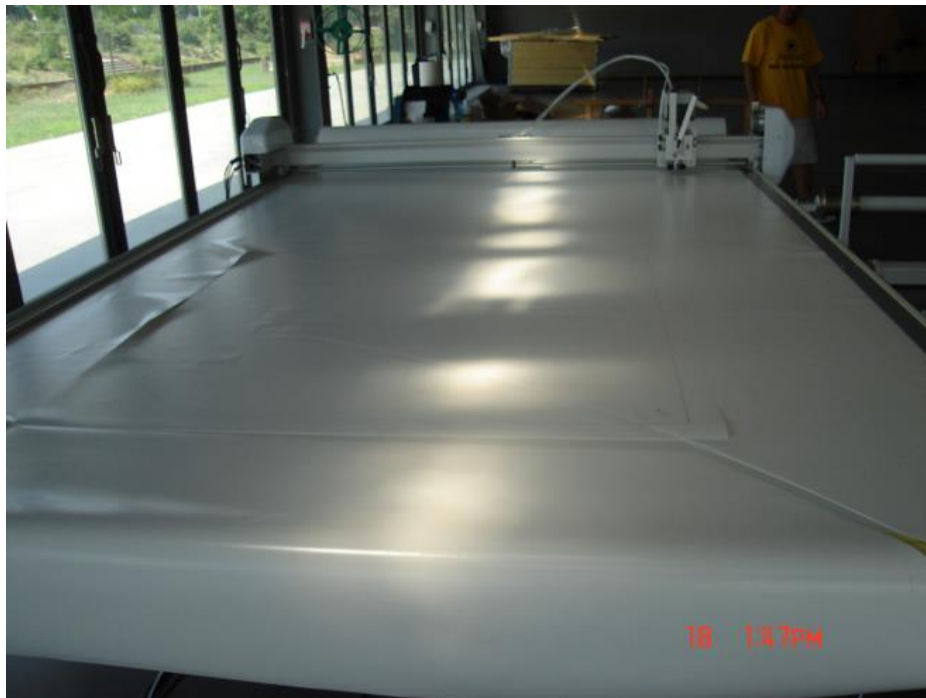


40m long Travelling HF machine – Forstrom- Sweden





**Cutting of Fabric with Plotter Cutting Machine – Table Type- Prosail- New Zealand**





**Abrasion Machine for PVDF skin removal for TX-30 series of Ferrari special coated Fabrics-  
Dorrey-Italy**



**Wire Ropes Swaging Machine up to 40mm dia wire Ropes. Wire Teknik - Sweden**



### **Technospan Steel Fabrication Unit in Bangalore 4500 smt**



Our company develops and follow an appropriate erection method for the membrane erection, a stage by stage stability check, handling of material, site situations, weather conditions will be taken care of. Our designers will be doing final erection calculations and the magnitude of the forces which are to be applied in pre-determined sequence of assembly. These calculations also determine to what extent the loads can be absorbed by the supporting structure and whether additional precautions have to be taken. The erection calculations are an essential part of the calculation and drawing dossier



## **Projects**

### **1 - Client: TATA Group- TCS- Chennai- India - 2013**

Project: TCS- Amphitheater- Siruseri- Chennai, India.

Consultant: CARLOS OTT ARCHITECTS-USA

Structural Consultants; Semac- Bangalore- India

Mian Contractors : L&T- India

### **Project description**

Size: 75m x 69m

Surface Area: 4500 smt,

Fabric : Ferrari 1202 T2

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









**2 -Client : JKR-Malaysia (PWD Government of Malaysia) - 2013**

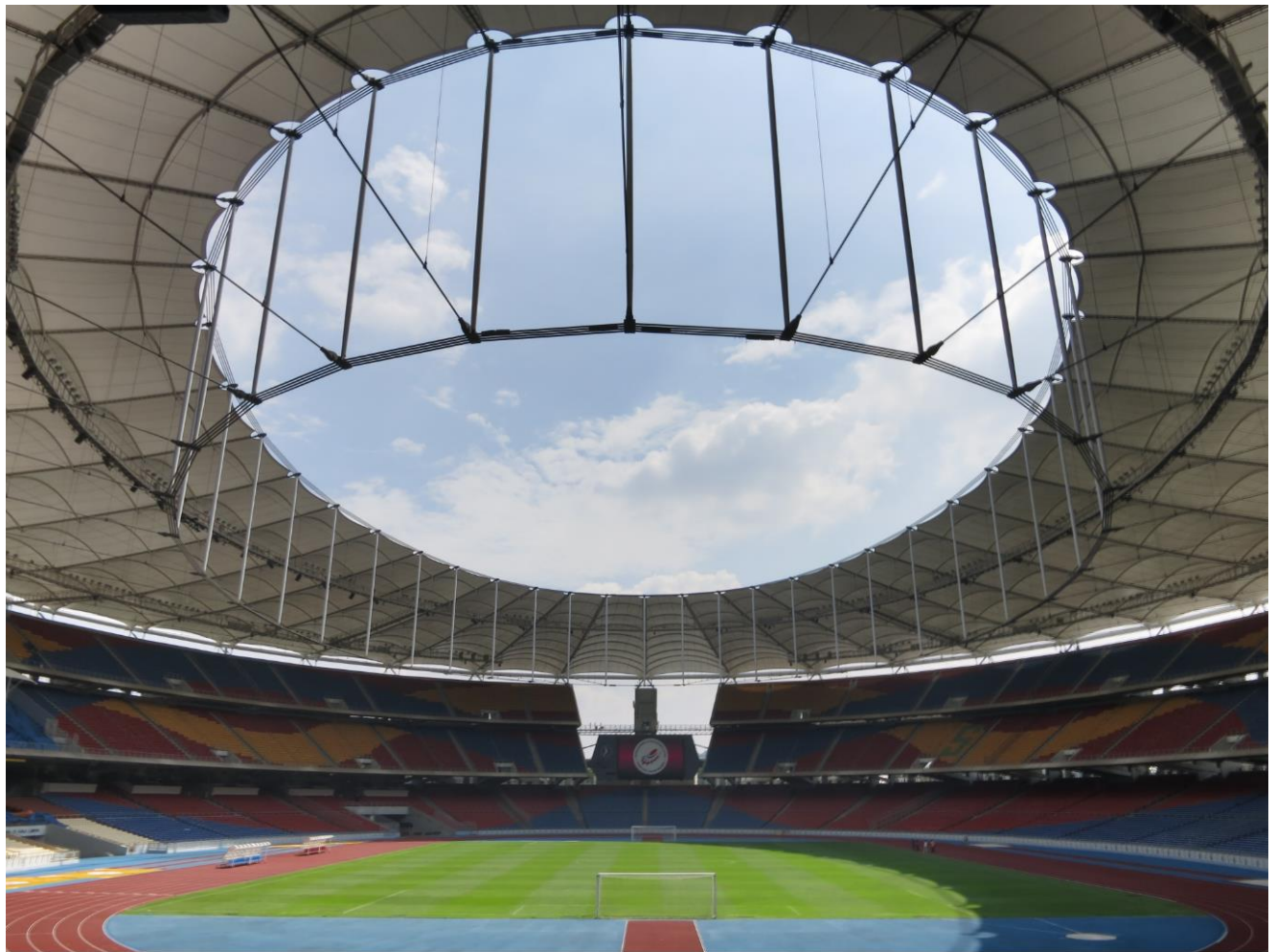
**Consultants : Technospan Structures Pvt Ltd, Bangalore India.**

**Main Contractor : Catonic Sdn Bhd- Kuala Lumpur**

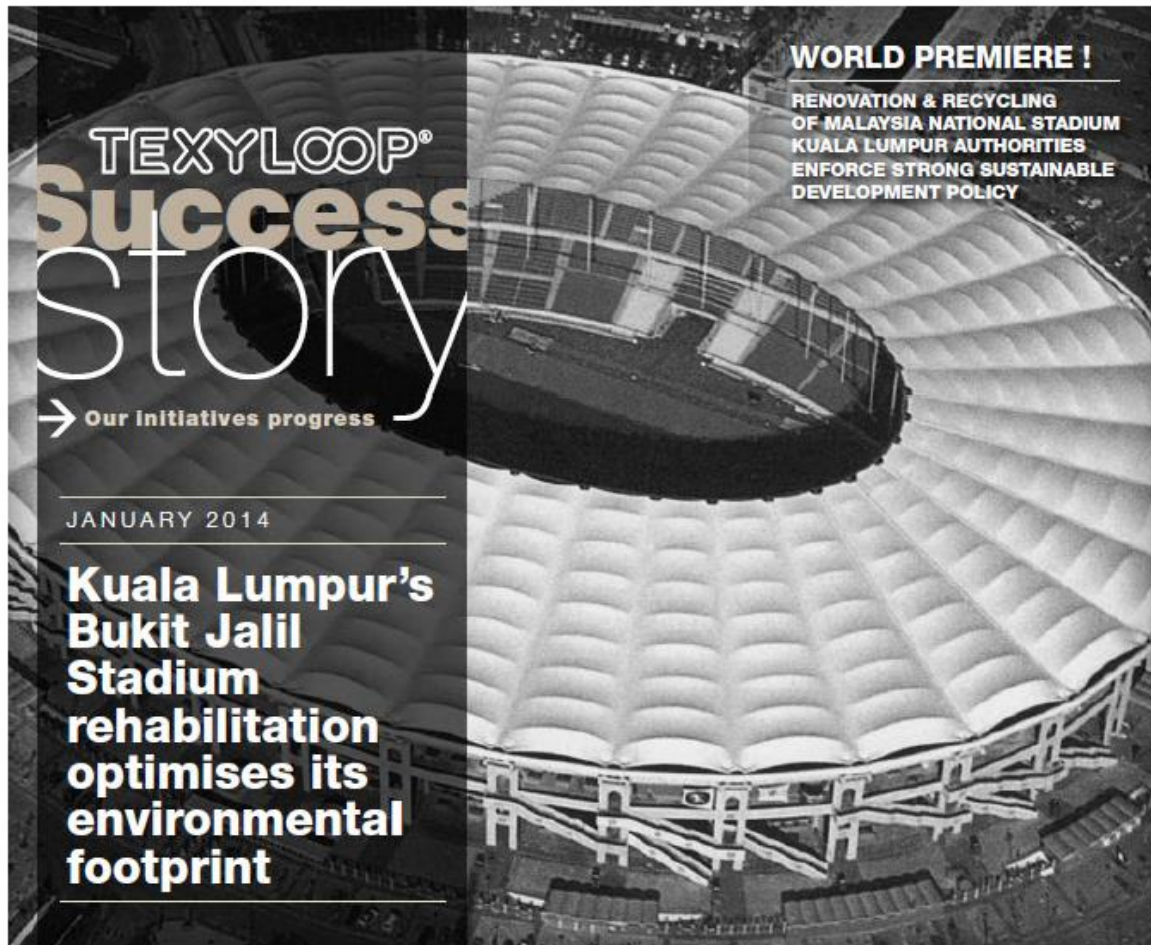
**Type of structure. Cable frame Structures.**

**Area :44000 smt**

**Fabric : Ferrari 1202 S2 Preconstraint PVDF coated PVC fabric.**







# TEXYLOOP® Success story

→ Our initiatives progress

JANUARY 2014

## Kuala Lumpur's Bukit Jalil Stadium rehabilitation optimises its environmental footprint

### WORLD PREMIERE !

RENOVATION & RECYCLING  
OF MALAYSIA NATIONAL STADIUM  
KUALA LUMPUR AUTHORITIES  
ENFORCE STRONG SUSTAINABLE  
DEVELOPMENT POLICY

Built in 1997 for the 1998 Commonwealth Games, the Malaysian Government is rightly proud of Bukit Jalil National Stadium because it remains the ninth largest stadium in the world and the second largest in Asia.

The stadium's 44,000 m<sup>2</sup> initial roof (covered with a composite membrane of German origin) had suffered irreversible premature aging and its canopy required total replacement. New roof contractor Catonic SDN. BHD and its CEO Fadzulah Hassan were required to meet a highly demanding contract specification from both technical and environmental standpoints. Panels needed to be identically replaced on existing structural members and an end-of-life solution had to be found to avoid landfill disposal of the original defective material.

The Malaysian authorities, which remain closely involved in the destiny of this emblematic stadium and its environmental footprint, endorsed their requirements by opting for the Taxyloop recycling process: to date, the only technology enabling production of new raw materials and significant reduction of environmental impacts.

### RENOVATION PROJECT DATA

Architect and membrane engineers:

Technospan Structures Pvt Ltd - India

Project manager: **Jabatan Kerja Raya**

Fabrication / Installation : Catonic / Technospan Joint Venture

Fabric cutting welding : Sprech s.r.l - Italy

Composite membrane: **Précontraint 1202 S2**

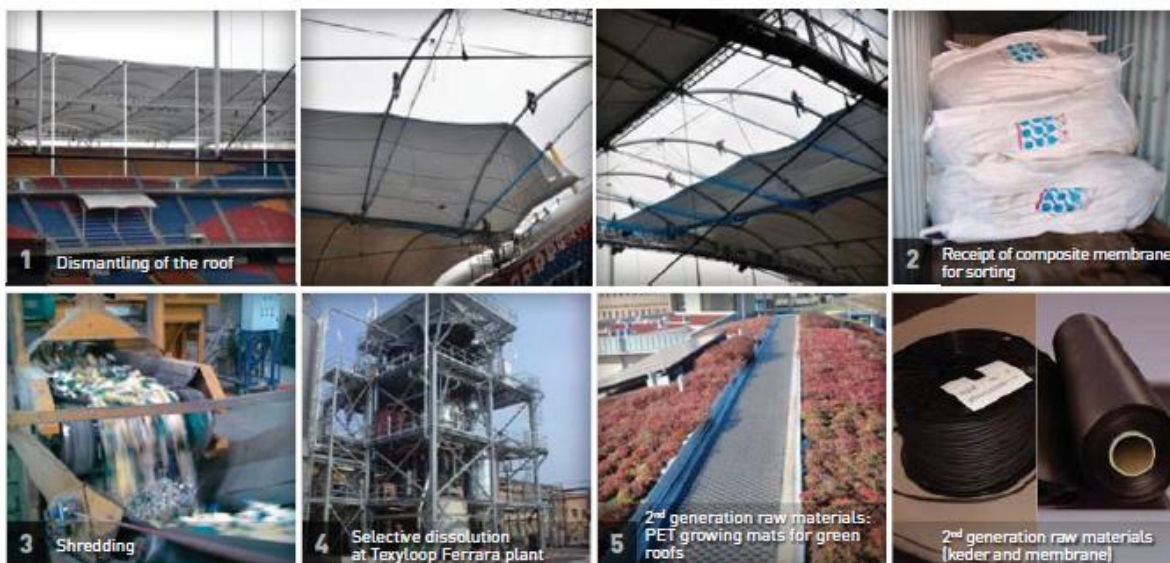
Material area: **44 000 m<sup>2</sup>**

Seating capacity: **100 000 seats**

**TEXYLOOP®**  
Filière opérationnelle de recyclage Sergio Ferrari®



## A SPECTACULAR OPERATION IN 5 STEPS



The replacement exercise required 30 operators specialised in high level access work for dismantling the 44 roof panels (each with an area 1000 m<sup>2</sup>) and replacing them, fitting a new PRECONTRAIKT 1202 S2 flexible composite membrane: the same material which has already been in place on the roof of the neighbouring station, which forms part of the 1997 infrastructures and still in service today.

The 50 tonnes of membrane repatriated to France from Malaysia were inspected, weighed and shredded before being reshipped to Italy for recycling to give birth to new raw materials. These new, so-called 2<sup>nd</sup> generation resources will be used in new products such as PVC granule-based hoses or polyester-based growing mats for green roofs. Despite the long return journey in containers, the additional impacts generated by marine transport operation remain very minor compared with the overall reduction in environmental impacts ensured by Texyloop. These positive conclusion are exhibited by the Life Cycle Assessments (LCA) conducted by environmental consultant EVEA in compliance with ISO 14040, which compared impacts generated by different end-of-life scenarios including landfill versus recycling. Texyloop-based processing of the 50 tonnes of flexible materials generates the following resource savings:

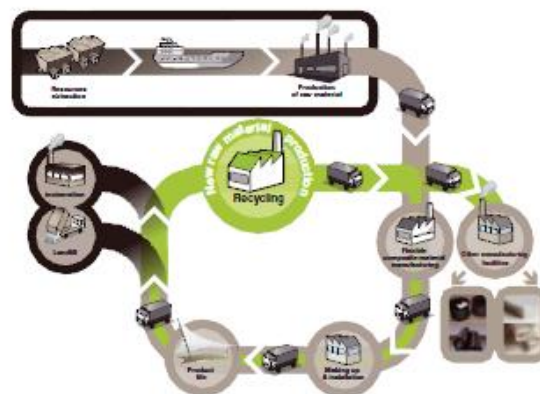
- **Water saving: 8 406 M<sup>3</sup>**
- **Reduction of global warming: 70 247 Kg CO<sub>2</sub> eq**
- **Energy consumption saving: 2 063 571 MJ**

## LIFE CYCLE ASSESSMENT

flexible composite material type  
Précontraint 1202 S2

Functional unit = 1 sqm composite membrane

Type of impacts	Texyloop® Recycling	Landfill
<b>Resource depletion</b> Kilograms eq. Sb	0.023	0.140
<b>Global warming</b> Kilograms eq. CO <sub>2</sub>	2.596	4.193
<b>Water consumption</b> litre	140.3	331.3
<b>Energy Consumption</b> Mégajoule eq.	60.1	107



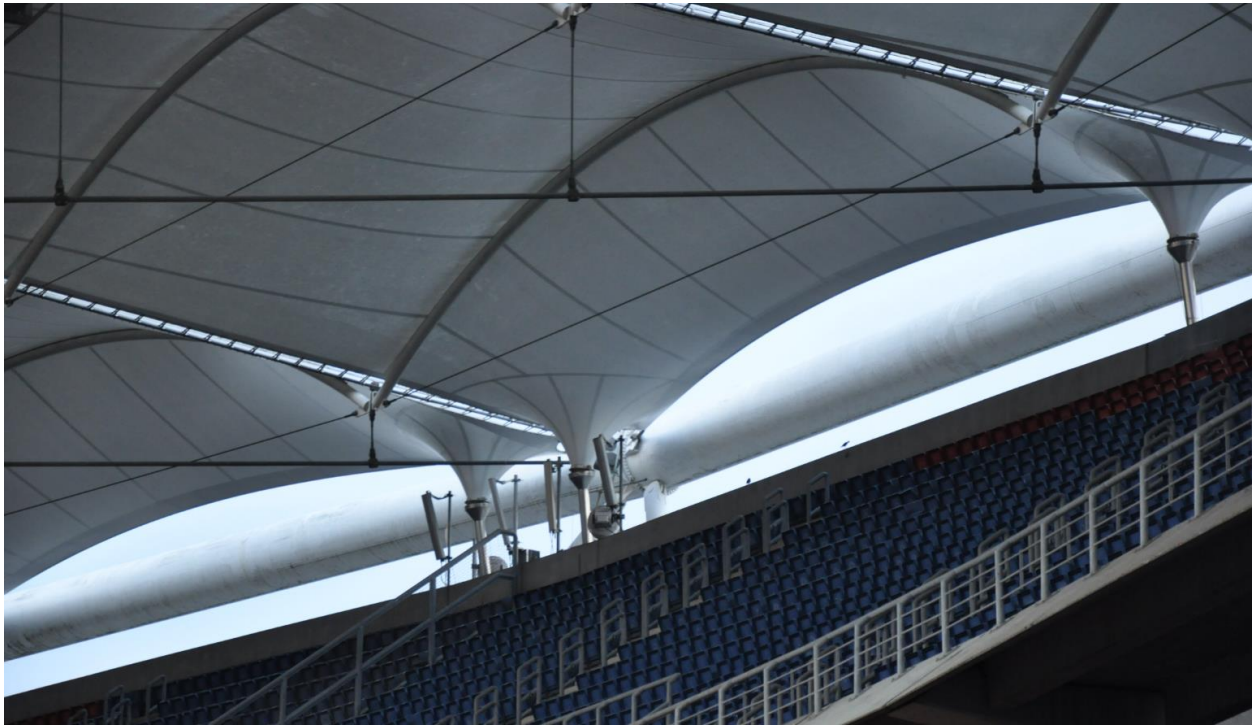
[www.texyloop.com](http://www.texyloop.com)

[info@texyloop.com](mailto:info@texyloop.com)

**TEXYLOOP®**  
Filière opérationnelle de recyclage Sergio Ferrari®

Photo Green roof: réalisation LA W. RENNE ENVIRONNEMENT - GROUPE OR BRUN





**3 - Client: JKR-Malaysia (PWD Government of Malaysia) -2017**

Consultants : Technospan Structures Pvt Ltd, Bangalore India.

Main Contractor : Catonic Sdn Bhd- Kuala Lumpur

Type of structure. Barrel Vault Type Structure.

Area :6500 smt

Fabric : Ferrari TX-30 Type V- 1500 GSM Preconstraint PVDF coated PVC fabric.

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









**4 - Client: Infosys Ltd- Bangalore- India - 2016**

Project: Amphitheater – Mahindra City - Chennai, India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; TRC Ltd - Bangalore

**Project description**

Size: 65m x 60 m

Surface Area: 4200 smt,

Fabric : Ferrari TX-30 Type III

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





**5 - Client: Infosys - Bangalore- India - 2016**

Project: Amphitheater – Pune- Phase-II - India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; TRC Ltd - Bangalore

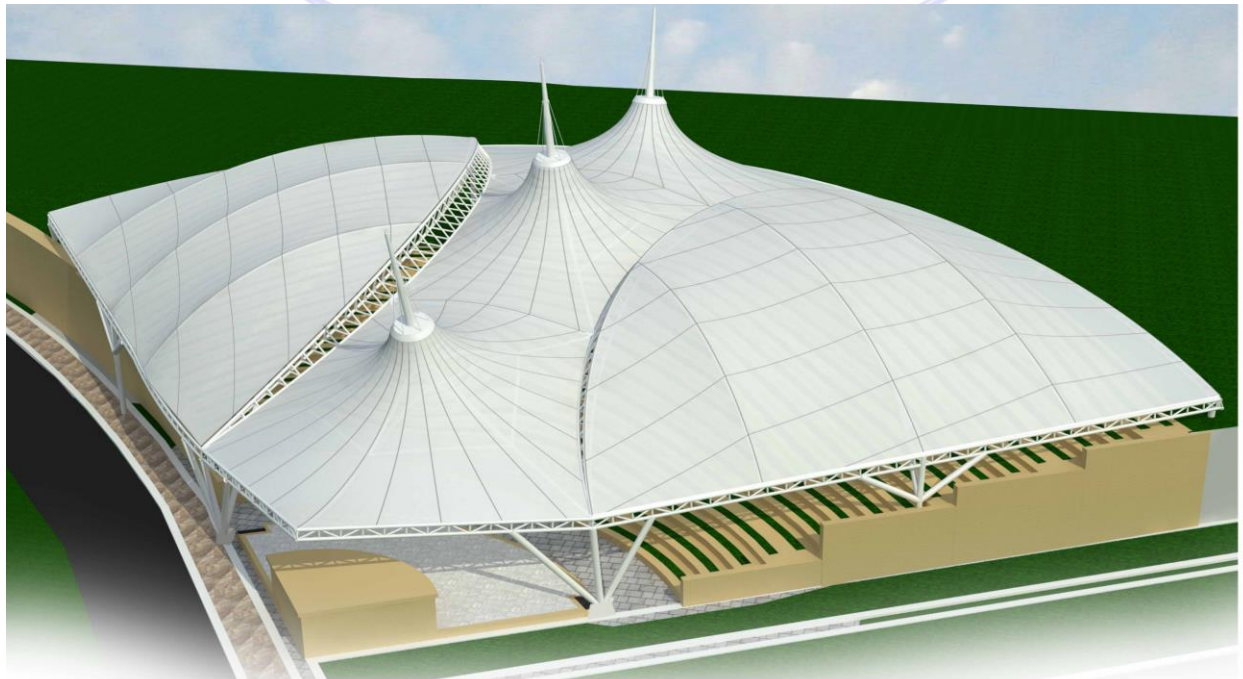
**Project description**

Size: 60m x 60 m

Surface Area: 4100 smt,

Fabric : Ferrari TX-30 Type II

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







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Structures



**6 - Client: Infosys Ltd - Bangalore- India - 2015**

Project: Food Court – M city- Chennai India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; TRC Ltd - Bangalore

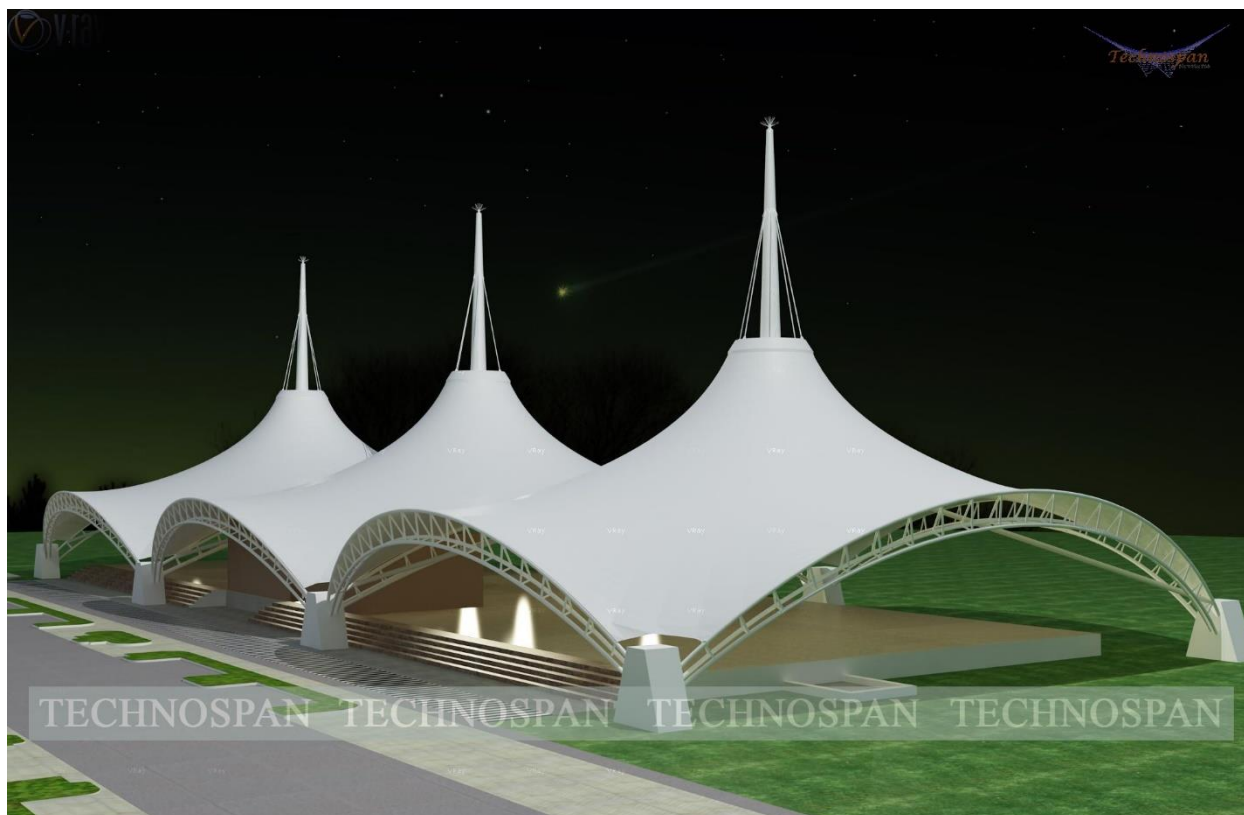
**Project description**

Size: 90m x 32 m

Surface Area: 3750 smt,

Fabric : Ferrari TX-30 Type II

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







**7 - Client: Airport Authority of India (AAI) - 2013**

Project: Chandigarh International Airport – Chandigarh -Punjab-India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; IIT- Delhi

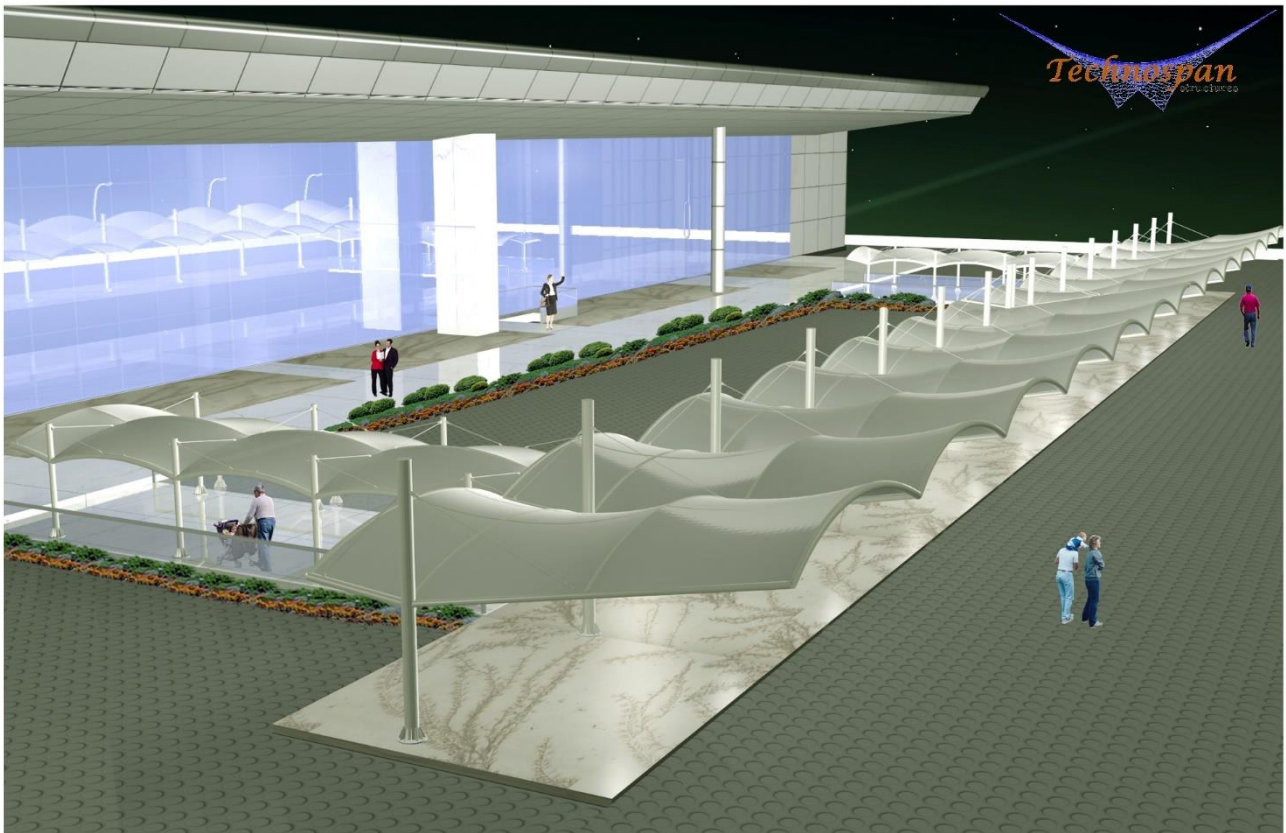
**Project description**

Size: 150 m x 13 m Main structure and 30m x 10 walkway 2 nos.

Surface Area: 3200 smt,

Fabric : Ferrari 1002 T2 - Type II -1050 gsm PVDF coated PVC Fabric.

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









**8 - Client: Airport Authority of India (AAI) - 2015**

Project: Vijayawada Airport – Vijayawada- Andra Pradesh-India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; NIT- Calicut

**Project description**

Size: 220 m x 12 m Main structure in City side and Air side.

Surface Area: 3650 smt,

Fabric: Ferrari T2 - Type II -1050 gsm PVDF coated PVC Fabric.

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



## Vijayawada Airport





**9 - Client: Airport Authority of India (AAI) - 2017**

Project: Jammu Airport - Jammu & Kashmir-India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; 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: Ferrari 902 S2 - Type II 950 gsm PVDF coated PVC Fabric.

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





### **10 - Client: JLPL – Chandigarh -2017**

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 : Ferrari TX-30 S2 - Type II -1050 gsm PVDF coated PVC Fabric.

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







**11 - Client: Airport Authority of India (AAI) - 2017**

Project: Varanasi International Airport- Uttar Pradesh--India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; 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 : Ferrari 902 S2 - Type II 950 gsm PVDF coated PVC Fabric.

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





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**12 - Client: IIM Bangalore - 2017**

Project: IIMB- Swimming Pool--India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; Mind Space Architects – Bangalore- India

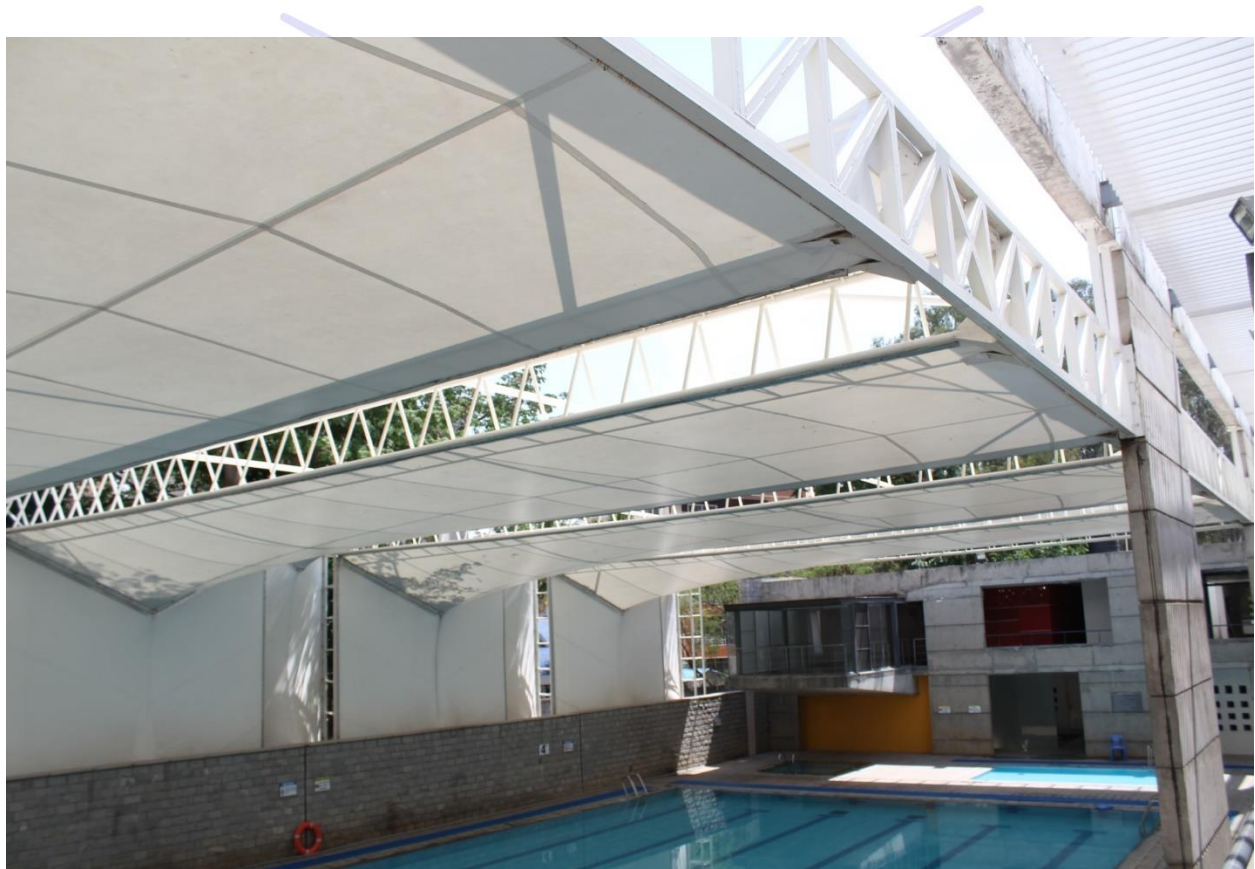
**Project description**

Size: 150 m x 15 m Main structure in City side / walkway / entrance / Airline Office canopy etc..

Surface Area: 4500 smt,

Fabric : Ferrari 902 S2 - Type II 950 gsm PVDF coated PVC Fabric.

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







**13 - Client: Infosys Ltd - India – 2015-16**

Project: Food Court –Entrance Gates- Courtyards etc Pune- Phase-II - India.

Consultant: Technospan Structures Pvt Ltd

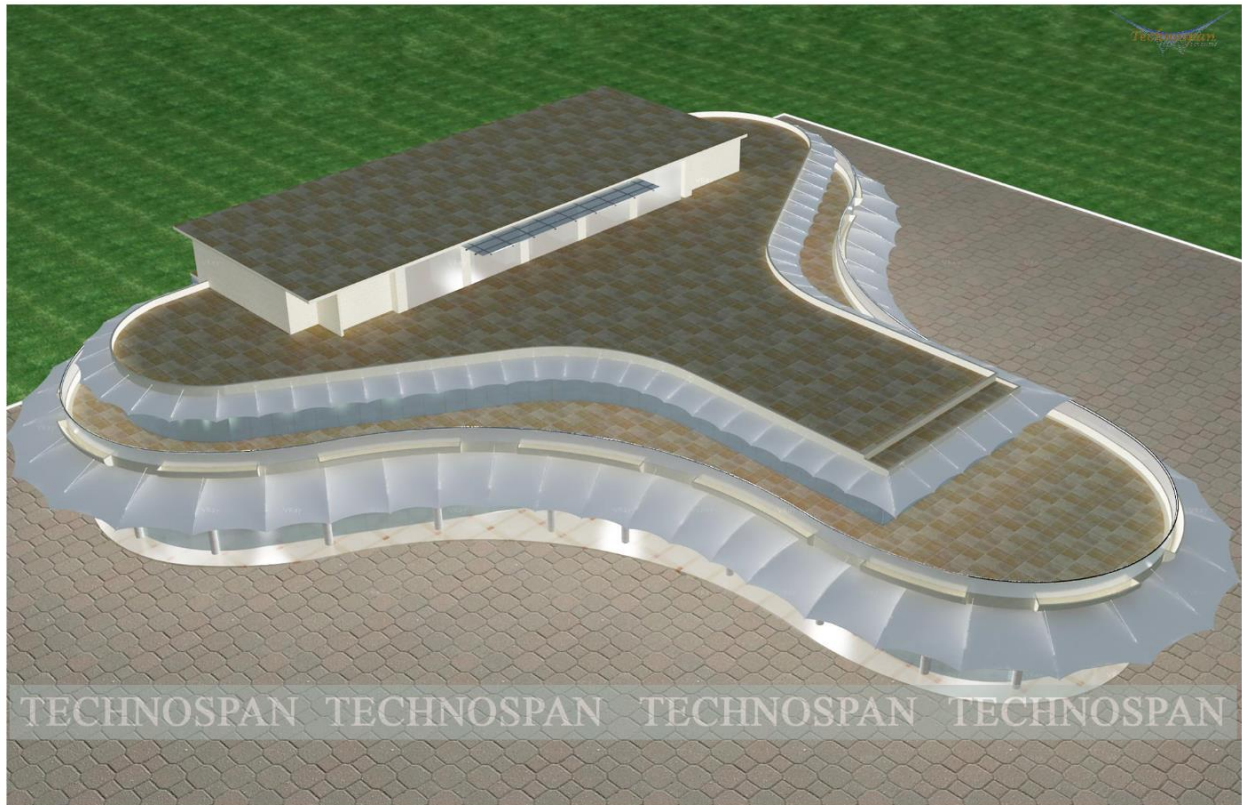
Structural Consultants; TRC Ltd - Bangalore

**Project description**

Surface Area: 15000 smt,

Fabric : Ferrari TX-30 Type II

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

**Food Court and Gym**





**SDB-10 and 11 Canopies at Courtyards.**





## Entrance Gate Canopies



*Technospan*









**Solar Carport 6000 smt (Panasonic)**







#### **14 - Client: Infosys Ltd- Bangalore- India – 2015-16**

Project: Food Court –Entrance Gates- Courtyards etc. Chennai - India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; TRC Ltd - Bangalore

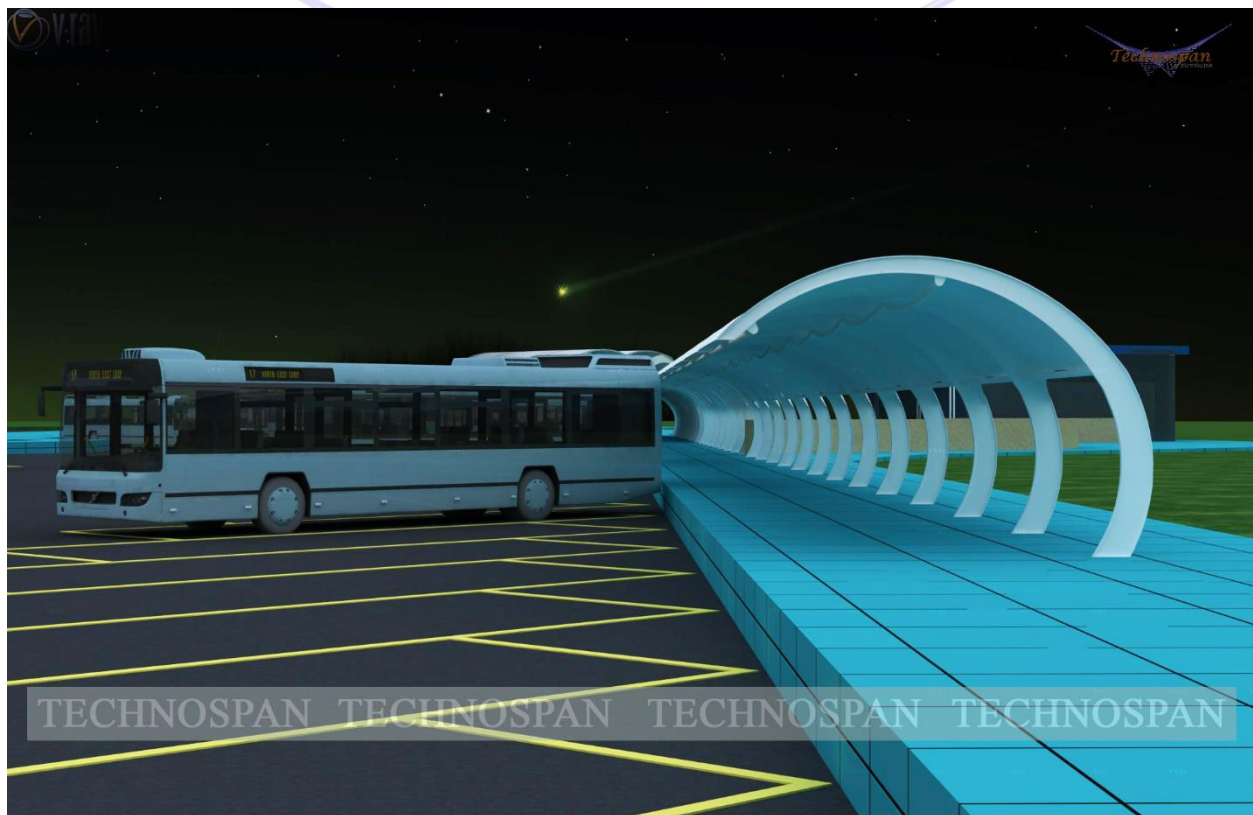
#### **Project description**

Surface Area: 18000 smt,

Fabric : Ferrari TX-30 Type II

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

#### **560 Rmt walkway**







### Entrance Gates in Various Locations















### **16 – Infosys Ltd, Bangalore 2014**

Project: Food Court –Entrance Gates- Smoking Zone etc. Chennai - India.

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; TRC Ltd- Bangalore- India

### **Project description**

Surface Area: 2450 smt,

Fabric : Ferrari TX-30 Type II Preconstraint PVDF coated PVC Fabric

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







### **17 - UST Global -Thiruvananthapuram 2016**

Project: Stage for Amphitheater-

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; Atelier Architects – Bangalore

### **Project description**

Surface Area:800 smt,

Fabric : Ferrari TX-30 Type Preconstraint PVDF coated PVC Fabric

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





Structures



**18 - DB Mall Gwalior 2016**

Project: Atrium Roof at Middle Courtyard

Consultant: Technospan Structures Pvt Ltd

Structural Consultants; Bentel Associates – Mumbai

**Project description**

Surface Area: 1500 smt,

Fabric : Ferrari TX-30 Type Preconstraint PVDF coated PVC Fabric

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







## **19 - Kalyani Vista Food Court 2016**

Project: Food Court Roofing at Terrace Level

Consultant: Technospan Structures Pvt Ltd

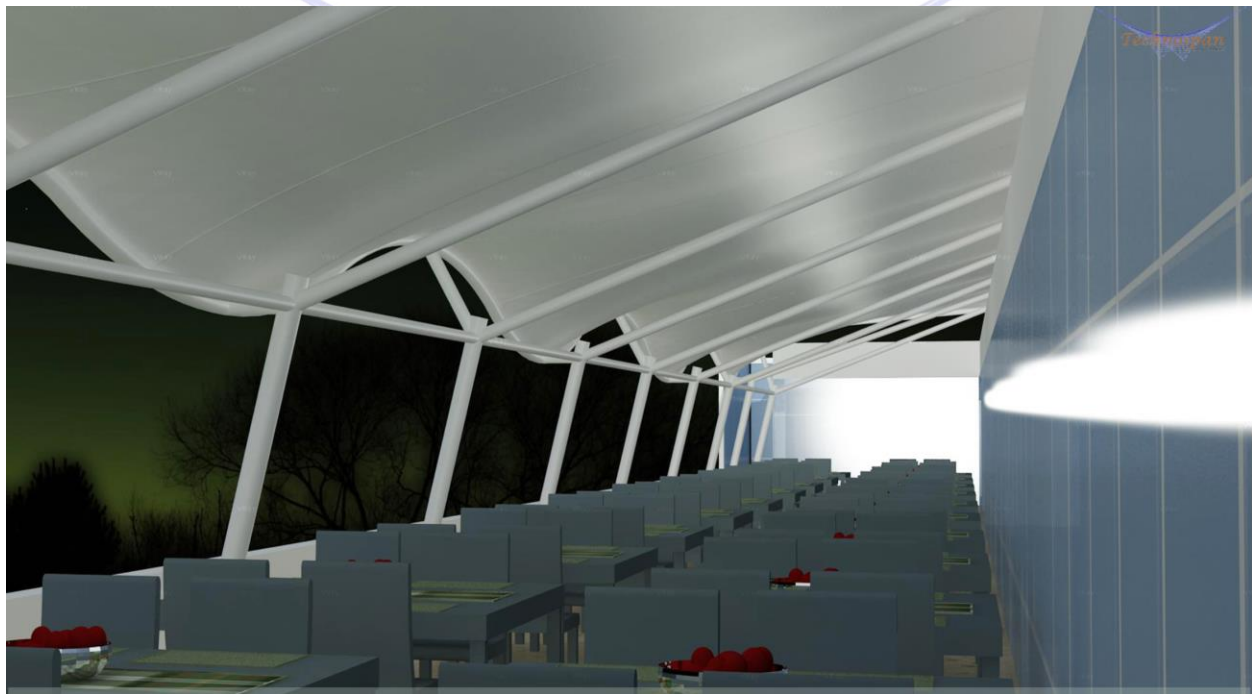
Structural Consultants; Technospan Structures Pvt Ltd

### **Project description**

Surface Area: 800 smt,

Fabric : Ferrari TX-30 Type Preconstraint PVDF coated PVC Fabric

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







**20 - Client: SATWA GROUP- Bangalore. (2007)**

Project: Salarpuria Soft zone, Bangalore. India.

Consultant: Venkita Ramanan & Associates- Bangalore, India

**Project description**

Height of the structure: 39m from ground level,

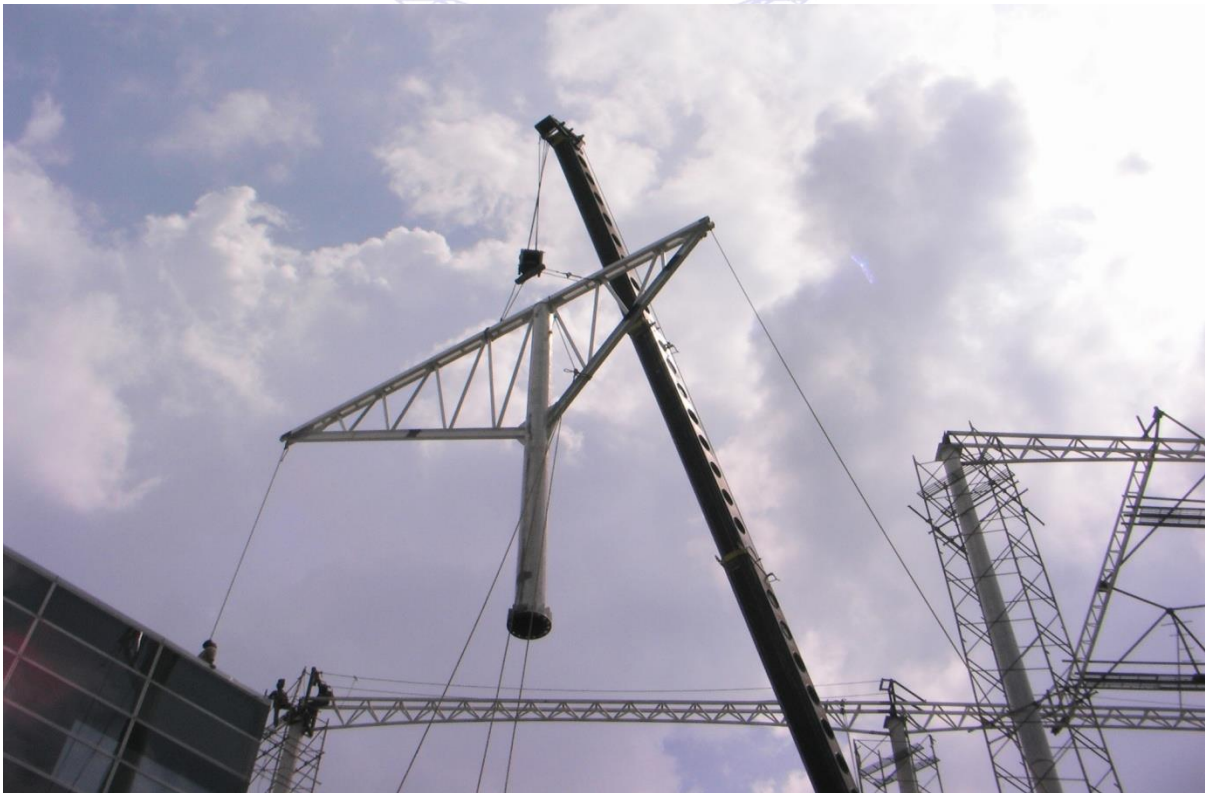
Type of the column: Polygonal Single Column

Size: 86m x 17m

Surface Area: 1900 smt,

Fabric : Ferrari 702 T2 - Preconstraint PVDF Coated PVC Fabric

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







**21 - Client: Kumarakom Lake Resorts. Kerala, India, (2007)**

Project : The PAUL SUITES -Bangalore.

Consultant: Rohith Marol & Associates

**Project description**

Height of the structure: 24m from ground level,

Type of the Structure: Arch Span Wave Design (Vault)

Size : 78m x 28m

Surface Area: 2500 smt

Fabric : Verseidag Type II - PVDF coated PVC fabric (Germany)

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







**22 - Client: DY.PATIL SPORTS ACADEMY , New Bombay, India.(2006-2007)**

Project: Cricket Stadium Entrance plaza, New Bombay.

Consultant: Hafis Contractor, Mumbai, India

**Project description**

Height of the structure: 45m from ground level,

Type of the Structure: Arch Span Wave Design (Vault)

Size; 105 m x 86m

Surface Area: 9500 smt

Fabric : Hitex Type II PVDF coated PVC fabric- Germany

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







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**23 - Client: Palpung Sherabling Buddhist Monastery , Himachal Pradesh, India**

Project : -Debate Hall Atrium Covering

Consultant: Abdul Sathar, Bangalore India.

**Project description**

Height of the structure: 22m from ground level,

Type of the Structure: Barrel vault inclined truss Structure.

Fabric: Verseidag Type III PVDF coated PVDF coated PVC fabric- (Germany)

Size; 42m x 55m

Surface Area: 2700smt (total fabric area including other Structures 6500smt)

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







**24 - Client: Formulae 1, Sepang, Kuala Lumpur, Malaysia (2008)**

Project : Formula 1- Welcome Center

Consultant: Technospan Structures Pvt Ltd , Bangalore India.

Main Contractor: Catonic Sdn Bhd, KL, Malaysia

**Project description**

Type of the Structure: Barrel vault structure with single fabric unit.

Size : 22m x 80m.

Surface Area: 1760 smt

Fabric : Verseidag Type III PVDF coated PVC fabric (Germany)

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





**25 - Al Rayyan Tower Swimming Pool Shade: (2009)**

Consultant: GHD, Doha Qatar.

Contractor: Haya Contracting Co. Doha Qatar

Main Contractor: Al Darwish Engineering

**Project description**

Height of the structure: 124 m from ground level on 34<sup>th</sup> floor.

Type of the Structure: Triangle frame with fabric shade

Size; 30m x 30m. Triangle.

Surface Area: 450 smt

Fabric : Verseidag Type III PVDF coated PVC fabric. (Germany)







**26 - Beach Palace Car parking. Doha – Qatar (2010)**

Consultant: Skybridge Structural Industris

Contractor : Haya Contracting

Main Contractor: The Classical Palace, Doha- Qatar

**Project description**

Type of the Structure: Car parking Shades

Size: 7m x 70ms

Surface Area: 620 m<sup>2</sup>



**27 - Kalayani Magnum IT complex- Bangalore, (2009)**

Consultant: Abdul Sathar

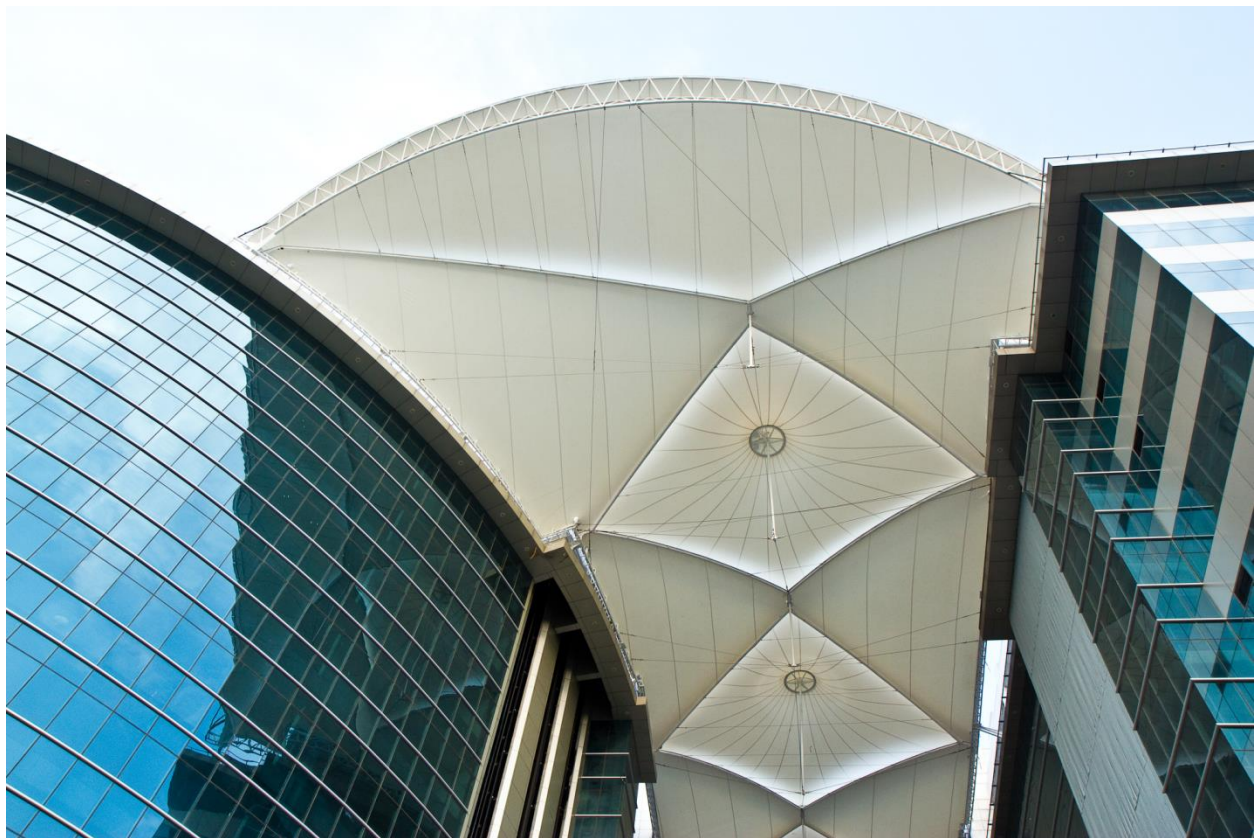
Main Contractor: Skybridge Structural Industries- Bangalore India,

**Project description**

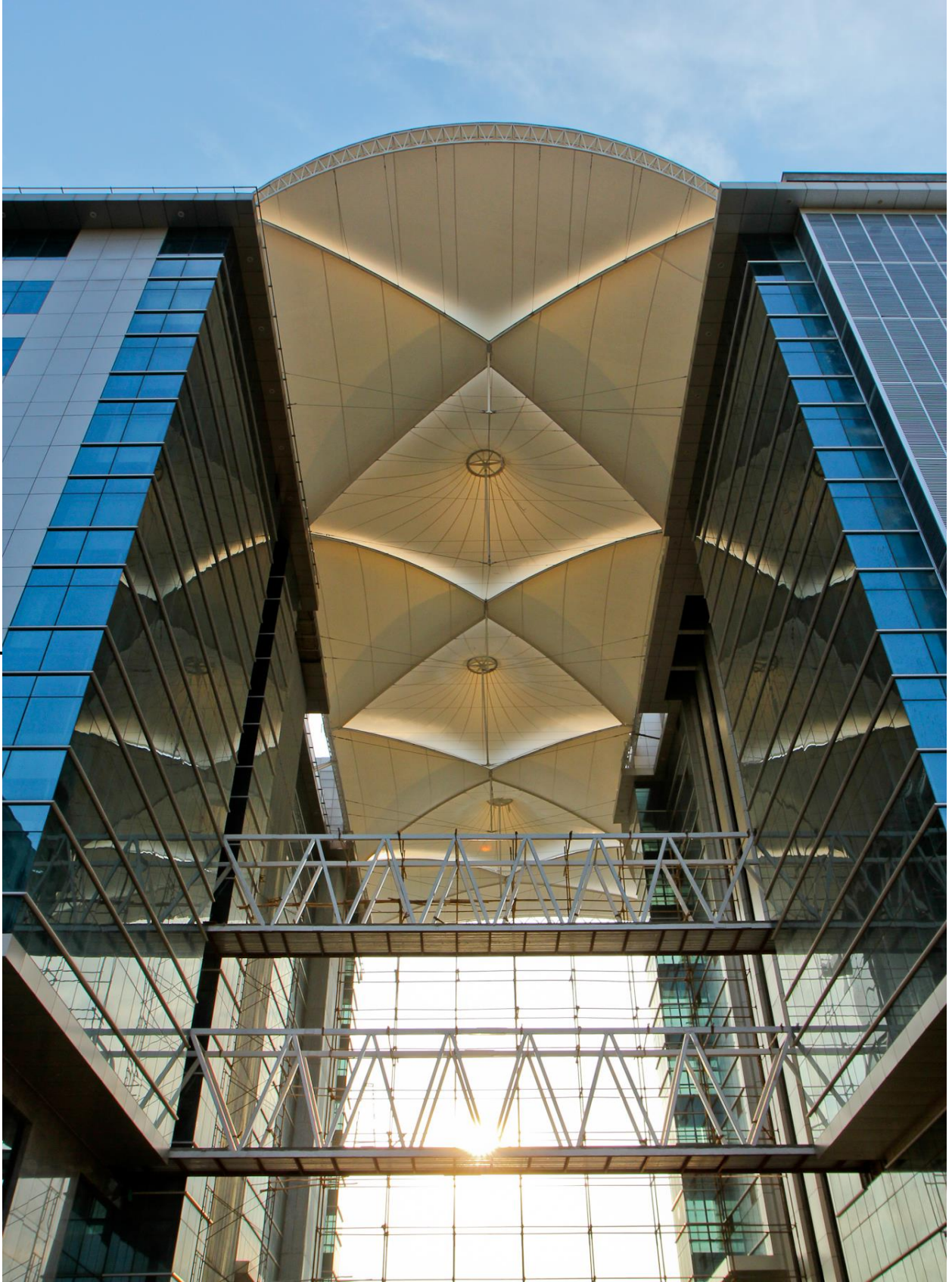
Type of the Structure: Atrium Food Court.

Size: 32m x 90 m = 2880 m<sup>2</sup>

Surface Area = 3540 m<sup>2</sup>







**28 - ANZ Bank Facility Building- Bangalore (2009)**

Consultant: RSP Bangalore

PMC : Synergy Group Pvt Ltd.

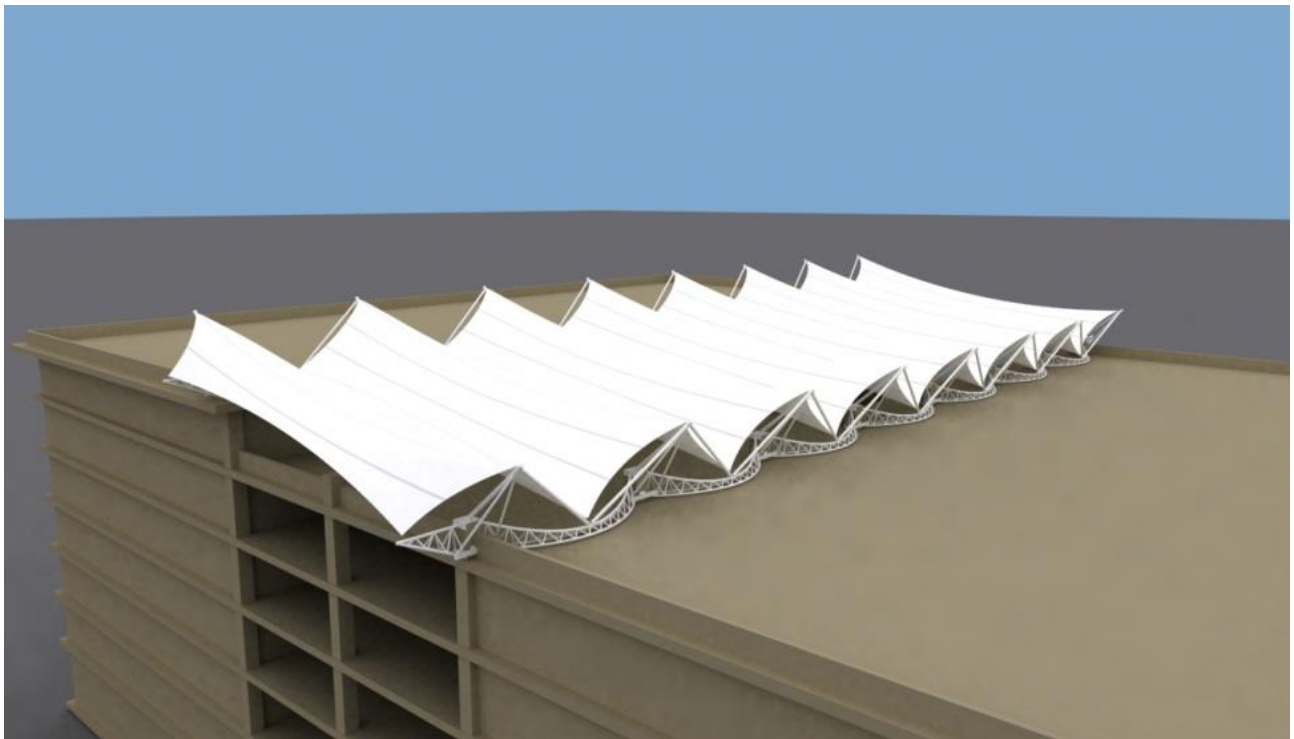
**Project description**

Type of the Structure: Ridge and Valley Structure.

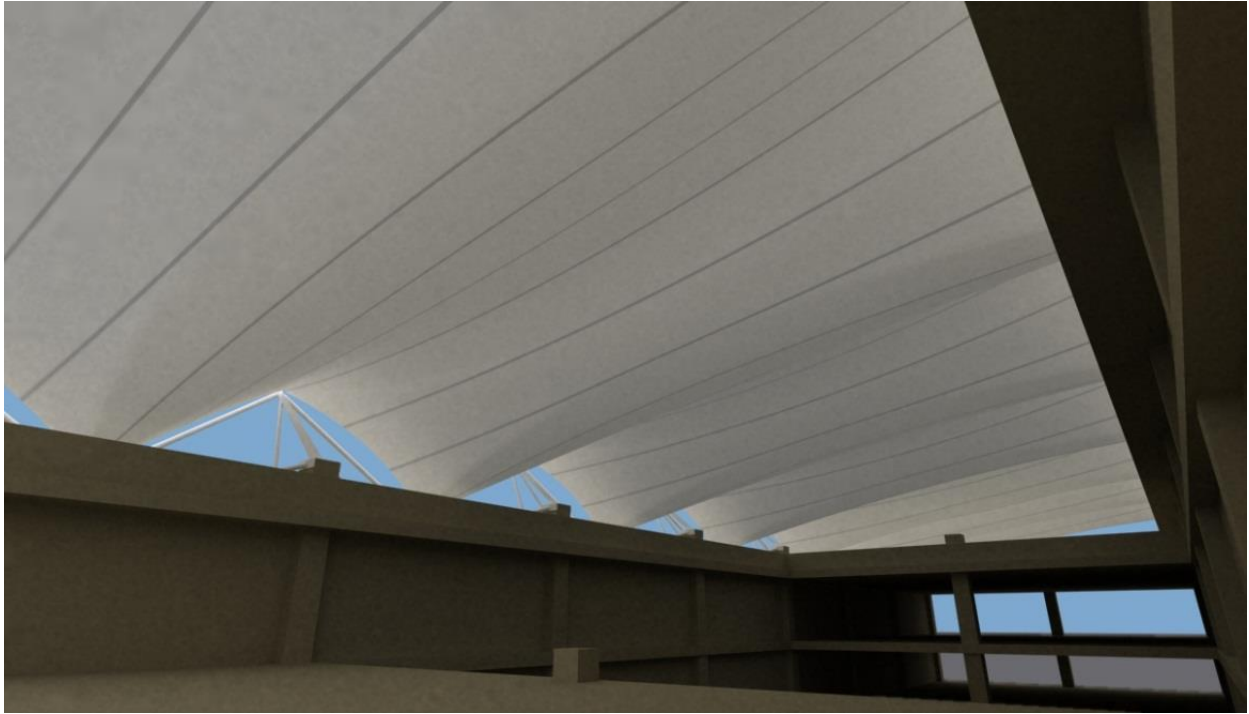
Size: 28m x 90 m : 2520 m<sup>2</sup>

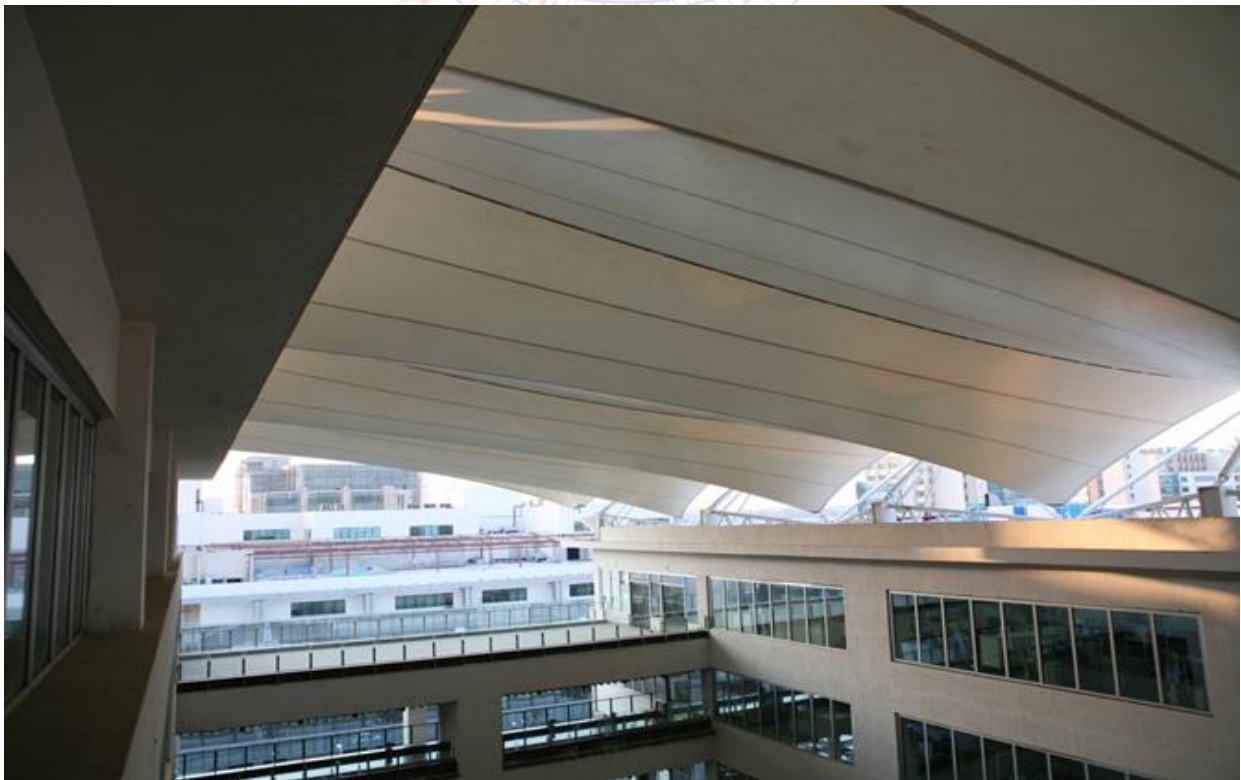
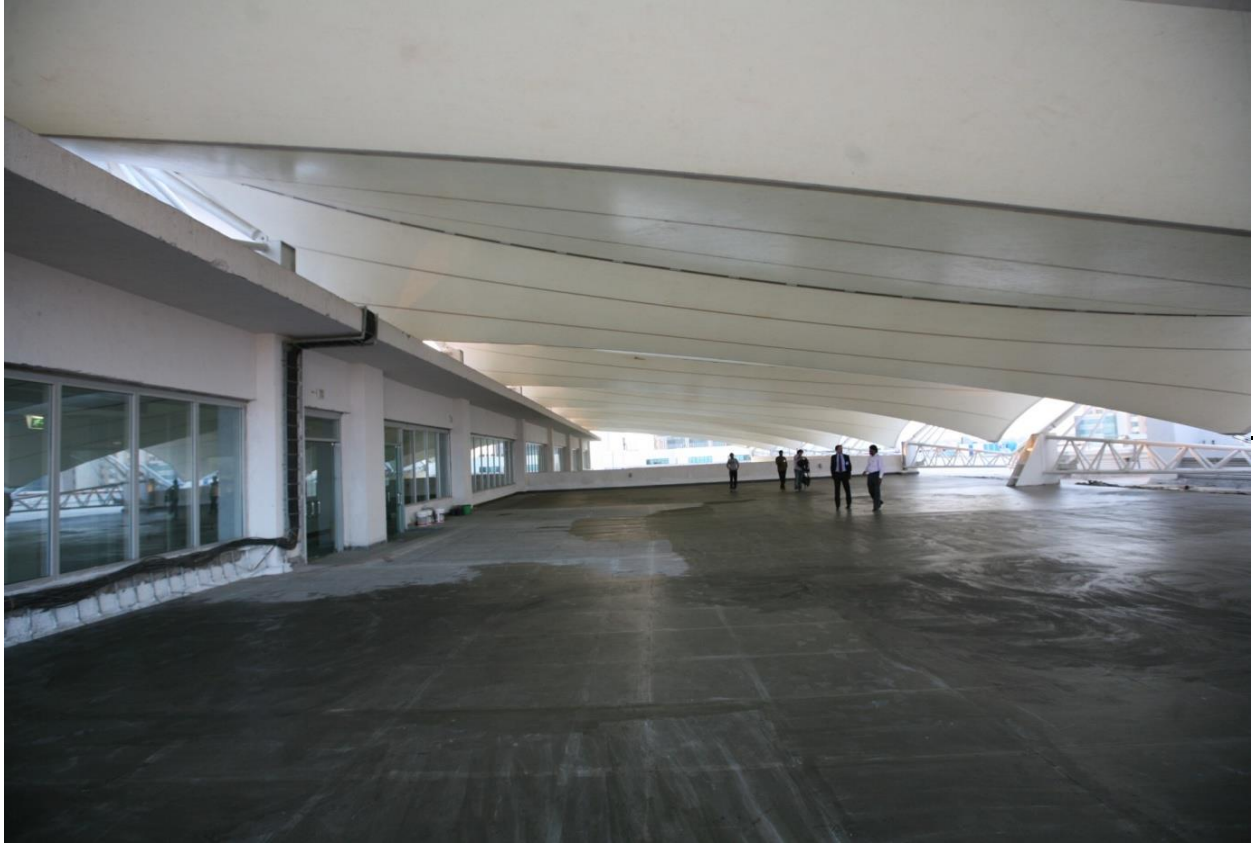
Surface Area: 3402 m<sup>2</sup>

Fabric : Verseidag Type III PVDF coated PVC fabric.











## **29 - SULTAN AZLANSHA HOKEY STADIUM- IPOH-MALAYSIA.(2010)**

Client : PWD- Malaysia

Consultant: Technospan Structures Pvt Ltd

Main Contractor: Catonic SDN Bhd- Malaysia

### **Project description**

Type of the Structure: Cantilever roof Structure for gallery .

Surface Area : 3200 m<sup>2</sup>.

Fabric :Serge Ferrari 1202 S2 Type III PVDF coated PVC fabric.







**30 - Qatar Petroleum Carparking- Mesaed, Qatar.**

Cleint : Qatar Petroleum

Main Contractor : Subanco Gulf Contracting Company- Istanbul – Turkey.

Sub Contractor: Haya Contracting WLL

Consultants : STFA- Istanbul- Turkey

**Project description**

Type of the Structure: Inclined Vault Structure.

Surface Area : 1800 m<sup>2</sup>

Fabric: Ferrari 1202 S2 PVDF coated PVC fabric ( France)







**31 - Qatar Petroleum MIC HOSPITAL – Mesaed- Qatar.**

Cleint : Qatar Petroleum

Contractor : Haya Contracting Co WLL – Doha – Qatar

Consultant : Skybridge Structural Industries – India

**Project description:**

Type of the Structure: Conical Structure.

Surface Area : 950 m<sup>2</sup>



### 32 - Dayananda Sagar University- Bagalaoe – India

#### **Project description;**

Client : Dayananda Institute – Bangalore.

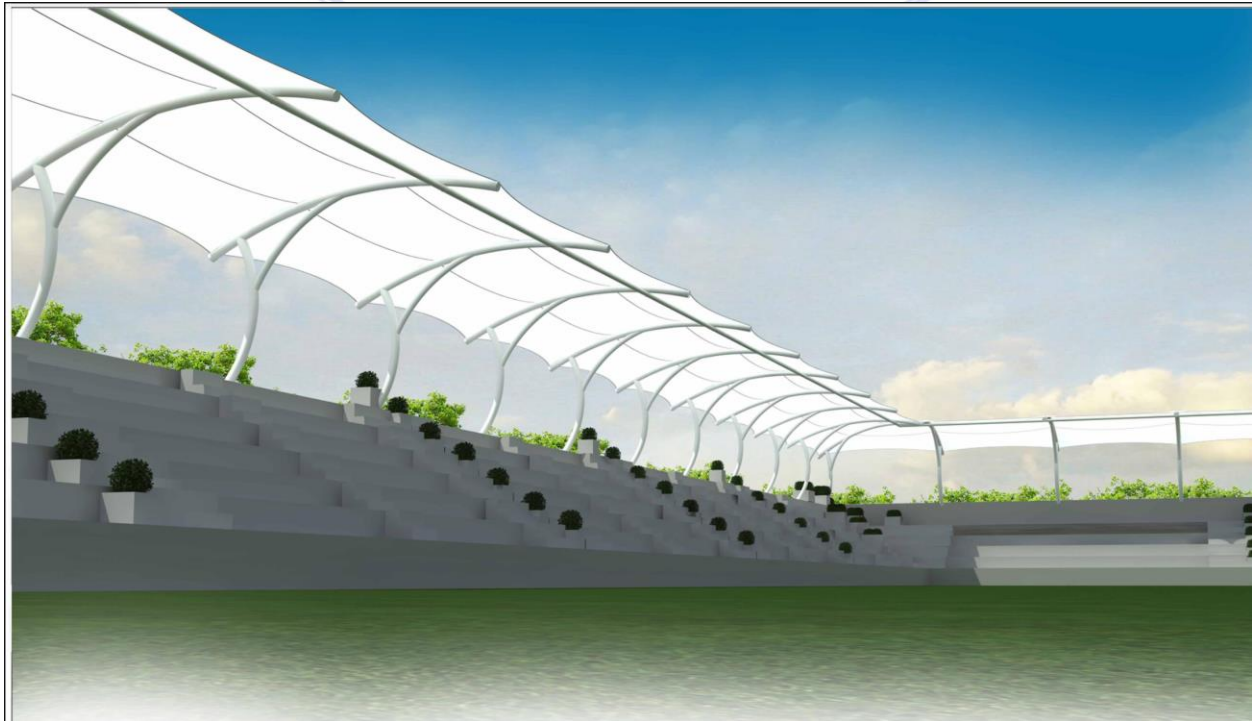
Contractor: Technospan structures Pvt Ltd

Type of the Structure: Cantilever Canopy for Stadium grand Stand

Surface Area : 850 m<sup>2</sup>.

Fabric: Ferrari TX-30 Type II- PVDF coated PVC fabric (France)

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







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### **33 - Jassasiyya Palace at Shamal Car Parking –( for Amir of Qatar)**

#### **Project description**

Client : Private Engineering Office (PEO),

Main Contractor: Contraco WLL, Doha Qatar.

Type of the Structure: vault type designer car parking..

Surface Area : 2300 m<sup>2</sup>.

Fabric: Ferrari 702 S2 PVDF coated PVC fabric (France)





### **34 - New Doha International Airport- Doha, Qatar (2011)**

#### **Project description**

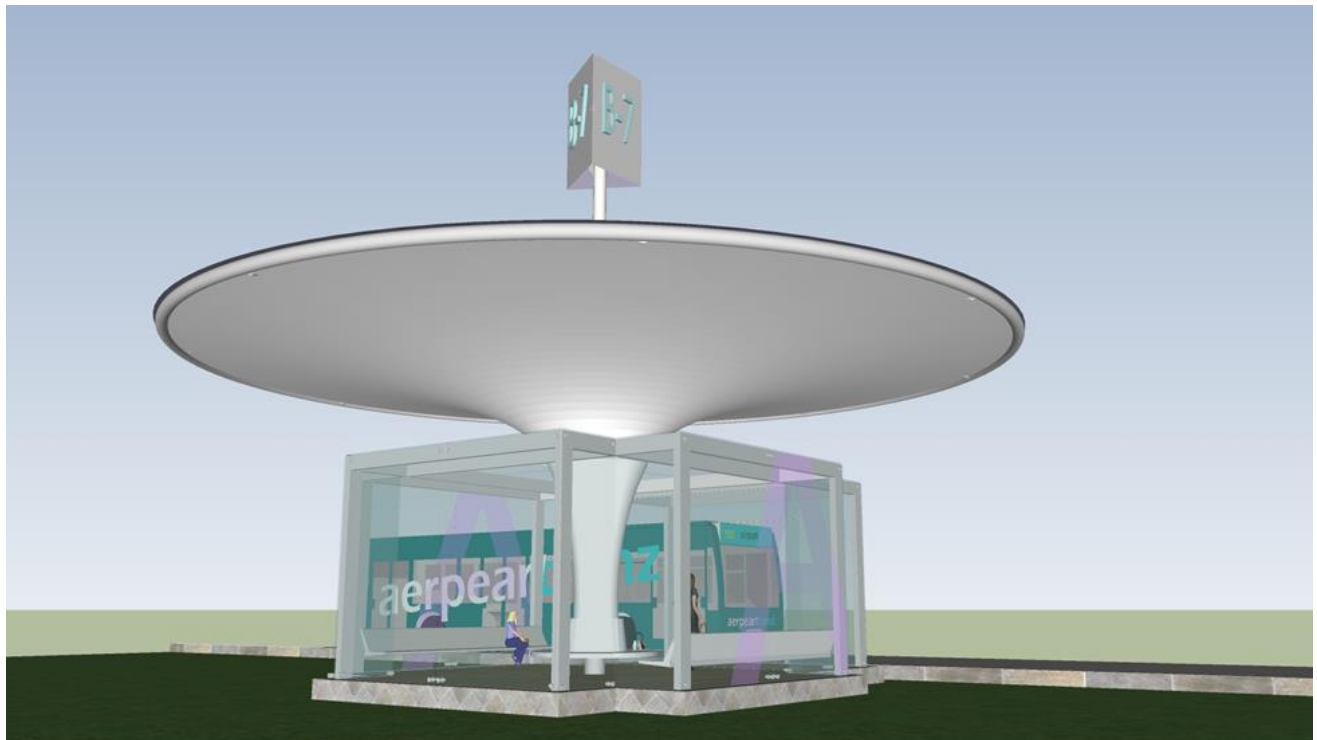
Client : NDIA (Doha Airport authority)

Main Contractor: Al Jaber Trading and Contracting Co.

Fabric Area : 4500 smt double layer

Fabric : Ferrari 1202 S2 PVDF coated PVC fabric.

Type of the Structure: Inverted Cones- Bus shelters 10 Nos 15m dia.





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Structures





### **35 - New Doha International Airport- Doha, Qatar (2011)**

#### **Project description**

Client : New Doha International Airport authority (NDIA)

Main Contractor: CCC

**Type of the Structure: Car parking conical cantilever structure 6m x 6m for 1200 cars (21300) smt Ferrari PVC fabric).**



### 36 - Lulu Shopping Mall – Al Khor - Qatar

#### **Project description:**

Client: Sheikh Mohammed Al Thani

Main Contractor: Industrial Development Company Qatar

Contractor : Haya Contractor Co WLL – Doha - Qatar

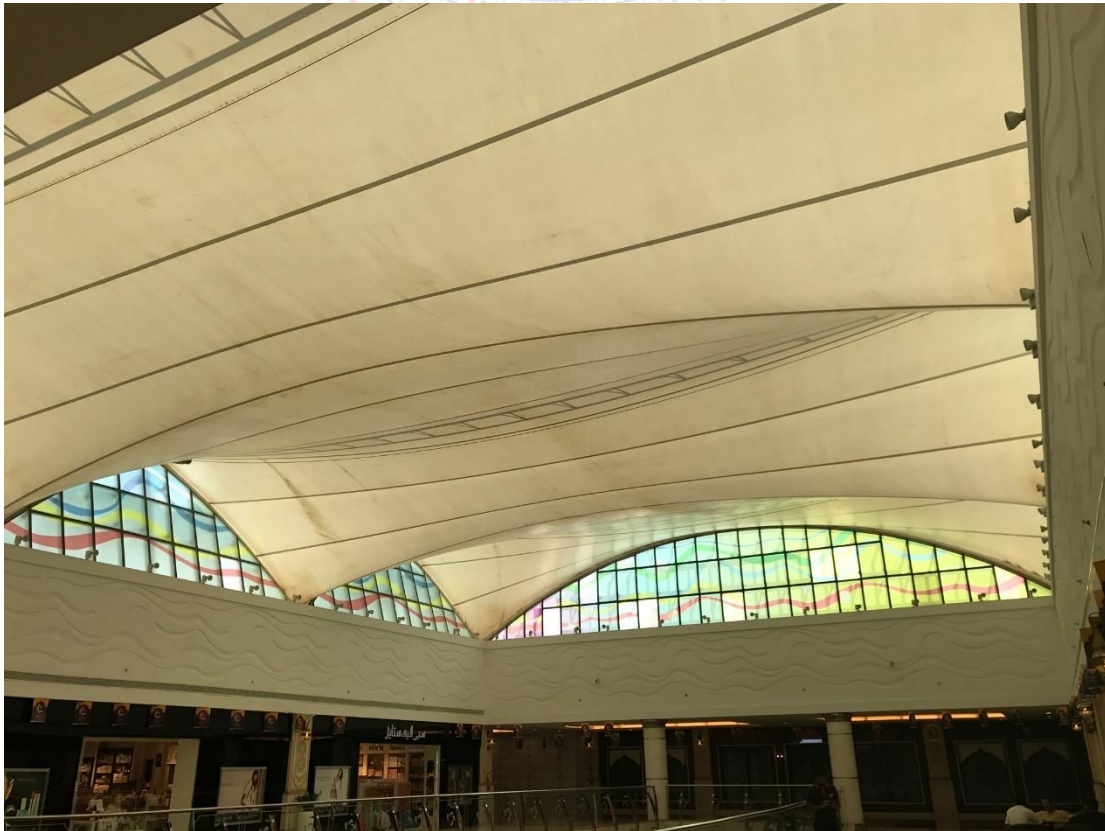
Type of the Structure:

1) Food Court cover roofing 45m x 45m (2650 smt)-Ferrari PVC fabric).

2) Atrium Roof. 36m x 18m







### **37 - Bharatiya Vidya Bhavan-Amritsar- India.m (2011)**

#### **Project description**

Client : Bhavans school

Main Contractor: Technospan Structure Pvt Ltd.

Type of structure 1) Sports Complex. 2500 smt

Fabric : Ferrari 1002 S2 and 1202 S2 Preconstraint PVDF coated PVC Fabric.

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







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Type of structure 2) Amphitheatre.





### **38 - Doha Cricket Stadium VIP Gallery. (2012)**

#### **Project description**

Client : Private Engineering office Govt of Qatar

Main Contractor: Al Ali Projects

Contractor : Contempo – Doha - Qatar

Designer: Technospan Structures. .

Type of structure. Stadium VIP sitting area

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







**40 – Asia Pacific University- Malaysia.(2014)****Project description**

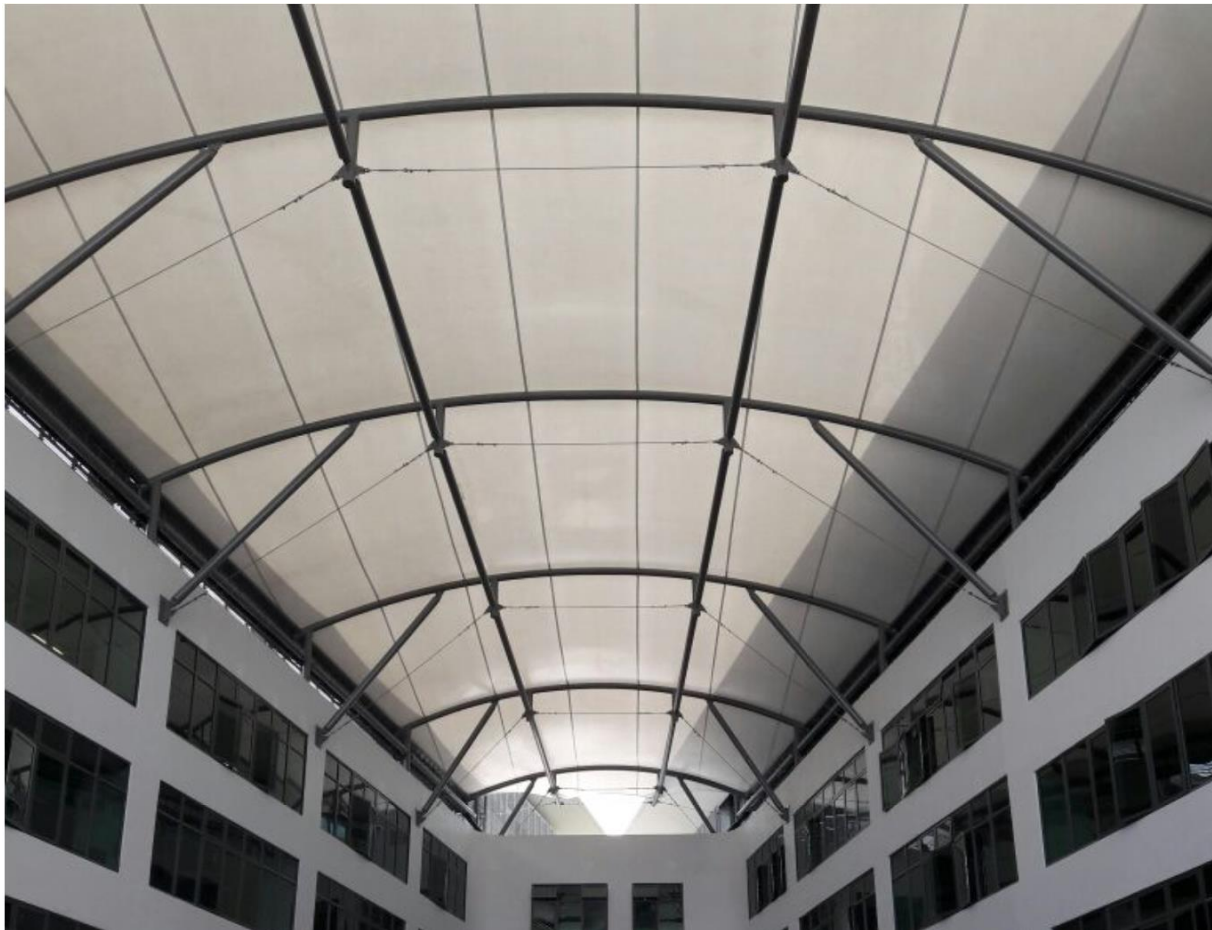
Client : Catonic Sdn Bhd

Designer: Technospan Structures. .

Type of structure. Atrium Area Roof : 2500 smt

Fabric : Ferrari 1002 S2 Preconstraint PVDF coated PVC Fabric.

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







**41 – Institute of Technology - Malaysia.(2014)****Project description**

Client : Catonic Sdn Bhd

Designer: Technospan Structures Pvt Ltd .

Type of structure. Food Court : 1800 smt

Fabric : Ferrari 1002 S2 Precontraint PVDF coated PVC Fabric.

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







**42 – Kelab Golf Diraja Darulnaim- Malaysia.(2012)****Project description**

Client : Catonic Sdn Bhd

Designer: Technospan Structures Pvt Ltd .

Type of structure. Golf Center : 900 smt

Fabric : Verseidag PTFE fabric from Germany

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



**43 – Kuala Berang Bus station - Malaysia.(2011)****Project description**

Client : Catonic Sdn Bhd

Designer: Technospan Structures Pvt Ltd .

Type of structure. Bus Stand : 1650 smt

Fabric : Ferrari 902 S2 Preconstraint PVDF coated PVC Fabric.

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





#### **44 – Movie Animation Park Studio - Malaysia.(2016)**

##### **Project description**

Client : Catonic Sdn Bhd

Main Contractor : Sandersan Malaysia

Designer: Technospan Structures Pvt Ltd .

Type of structure. Theme Park / Carnival : 7825 smt

Fabric : Ferrari 702 S2 and 902 S2 Preconstraint PVDF coated PVC Fabric.

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



**45 – University Malaysia-Terenganu - Malaysia.(2016)****Project description**

Client : Catonic Sdn Bhd

Designer: Technospan Structures Pvt Ltd .

Type of structure. Golf Center : 400 smt

Fabric : Ferrari 902 S2 Precontraint PVDF coated PVC Fabric.

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





**47 – University Pendidikan Sultan Idris - Malaysia.(2016)****Project description**

Client : Catonic Sdn Bhd

Designer: Technospan Structures Pvt Ltd .

Type of structure: Entrance Canopies, Food courts etc 1650 smt

Fabric : Ferrari 902 S2 Precontraint PVDF coated PVC Fabric.

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



**48 - Kalyani Platina Food Court.(2007)****Project description**

Client : Kalyani Group

Designer: Technospan Structures. .

Type of structure. Food Court Roof 3500 smt

Fabric : Ferrari 1002 S2 and 1202 S2 Precontraint PVDF coated PVC Fabric.

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





**49 - New Doha International Airport –Parade Shade Structure for Amiri Guards (2011)****Project description**

Client : New Doha International Airport

Consultants : KEO- Doha-Qatar.

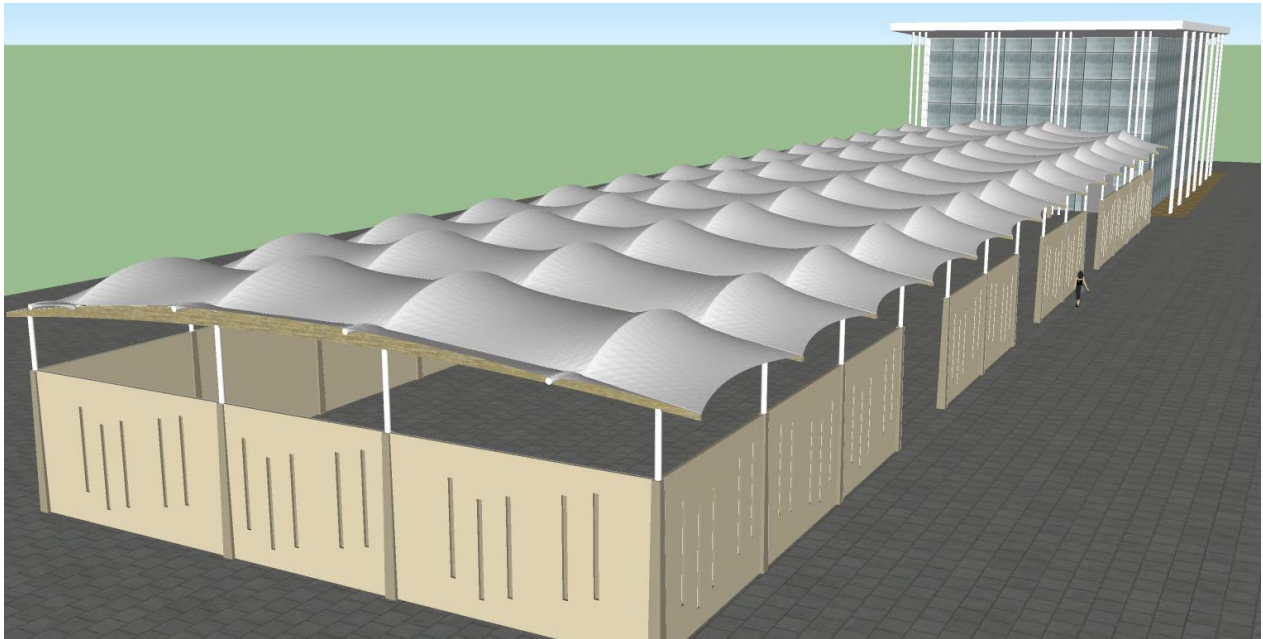
Designer : Abdul Sathar

Type of structure. Gluelam wooden Structures with steel supports and fabric roof.

Area : 3500 smt

Fabric : Ferrari 1202 S2 PVDF coated PVC fabric.

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



**50 - Central Vista- Gandhi Nagar- Gujarat (2012)****Project description**

Client : Government of Gujarat

Consultants : HCP consultants – Ahmedabad.

Designer : Technospan Structures Pvt Ltd.

Type of structure. Group Cone Structure for Public park.

Area : 1500 smt

Fabric : Ferrari 702 S2 PVDF coated PVC fabric.





**51 - FAMA Retail Out let -Mersing (2012)****Project description**

Client : JKR Malaysia- (PWD-Government of Malaysia)

Consultants : Technospan Structures Pvt Ltd, Bangalore India.

Main Contractor : Catonic Sdn Bhd- Kuala Lumpur

Type of structure. Cable frame Structures.

Area :3500 smt

Fabric : Fibertek PTFE fabric –Saudi Arabia



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Structures



**52 - Kerala Veterinary and Animal Sciences University –Waynad-Kerala (2013)****Project description**

Client : Kerala Veterinary and Animal Sciences University –Government of Kerala

Consultants : Technospan Structures Pvt Ltd

Main Contractor : Technospan Structures Pvt Ltd

Type of structure. Amphitheater Roofing conical, ridges and valleys combination.

Area : 1200 smt

Fabric : Ferrari 1002 S2 PVDF coated PVC fabric (France)









**KERALA VETERINARY AND ANIMAL SCIENCES UNIVERSITY**  
POOKODE, WAYANAD



**CITATION**

We would like to acknowledge and appreciate the services of M/s. Technospan Structures Ltd, Bangalore for successfully completing the Tensile Roofing Open Air Amphitheatre at Pookode, Kerala Veterinary Animal Sciences University Head Quarters. The work was executed to our satisfaction and within limited time frame.

***Description of the Amphitheatre Project: –***

Scope: Design/Fabrication/Installation of Tensile Roofing Structure.

Name Of Work: Execution of Turnkey Project on Tensile membrane structure for Open Auditorium at KVASU, Pookode

Agreement No: 01/CE-2013-14 Dated 12-11-2013

Agreement PAC: 9778015/-

Plan Area: 934.76 m<sup>2</sup>

Date of Completion: 27-01-2014

**CHIEF ENGINEER**

Pookode, Dated: 26.02.2014

**VICE CHANCELLOR**



**53 - Chameli Devi Public School, Cut out area, Walkway and Entrance Canopy (2013)****Project description**

Client : Chameli Devi Public School- Indore

Consultants: Technospan Structures Pvt Ltd

Main Contractor: Technospan Structures Pvt Ltd

Type of structure. Atrium Roofing (Cut out Area).

Area : 1200 smt

Fabric : Ferrari 1002 S2 PVDF coated PVC fabric (France)



**54 - National Museum Malaysia- (2014)****Project description**

Client : JKR-Malaysia- (PWD Government of Malaysia)

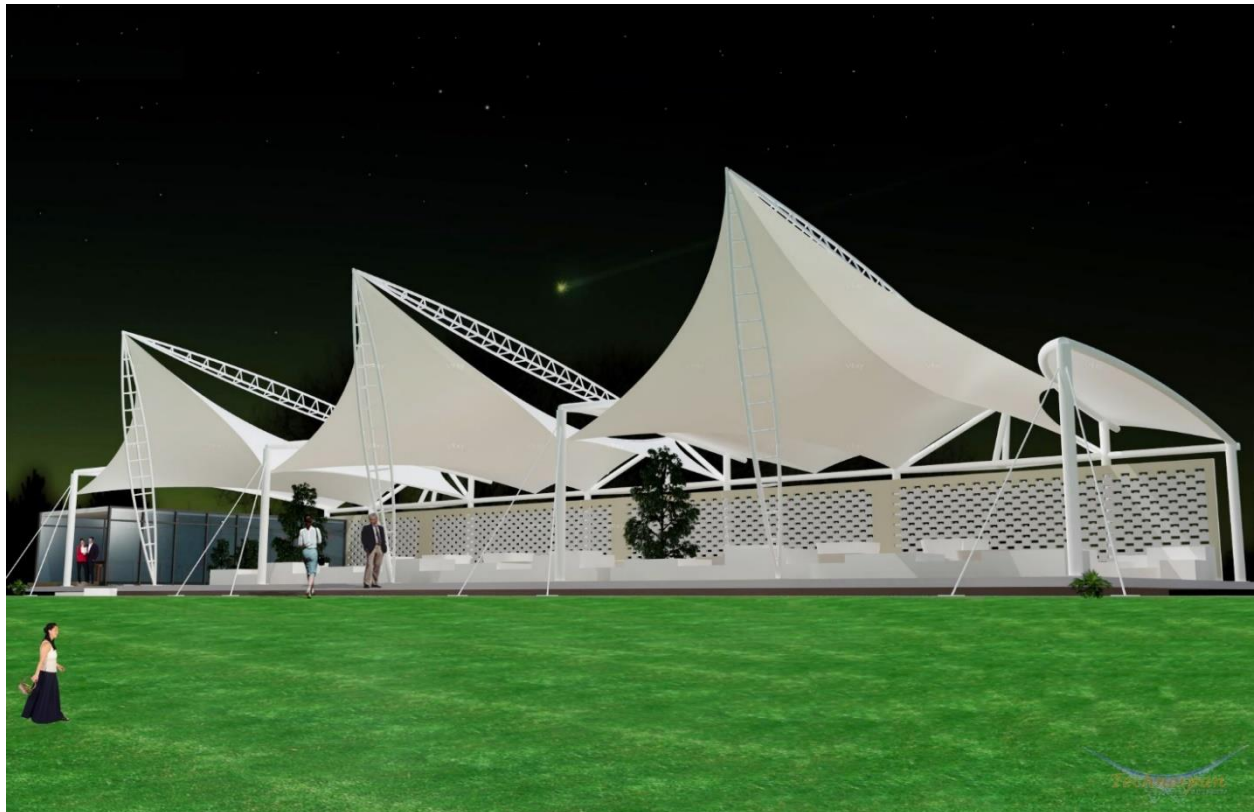
Consultants: Technospan Structures Pvt Ltd

Main Contractor: Catonic Sdn Bhd- Malaysia

Type of structure. Inverted Cone and barrel vault Structure.

Area : 950 smt

Fabric : Ferrari 902 S2 PVDF coated PVC fabric (France)







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**55 - National Museum Malaysia- (2014)****Project description**

Client : JKR-Malaysia- (PWD Government of Malaysia)

Consultants: Technospan Structures Pvt Ltd

Main Contractor: Catonic Sdn Bhd- Malaysia

Type of structure. Inverted Cone and barrel vault Structure.

Area : 950 smt

Fabric : Ferrari 902 S2 PVDF coated PVC fabric (France)







**56 -Amrita Hospital Main Dome -Cochin - India (2013)****Project description**

Client : Amrita Group of Institutions

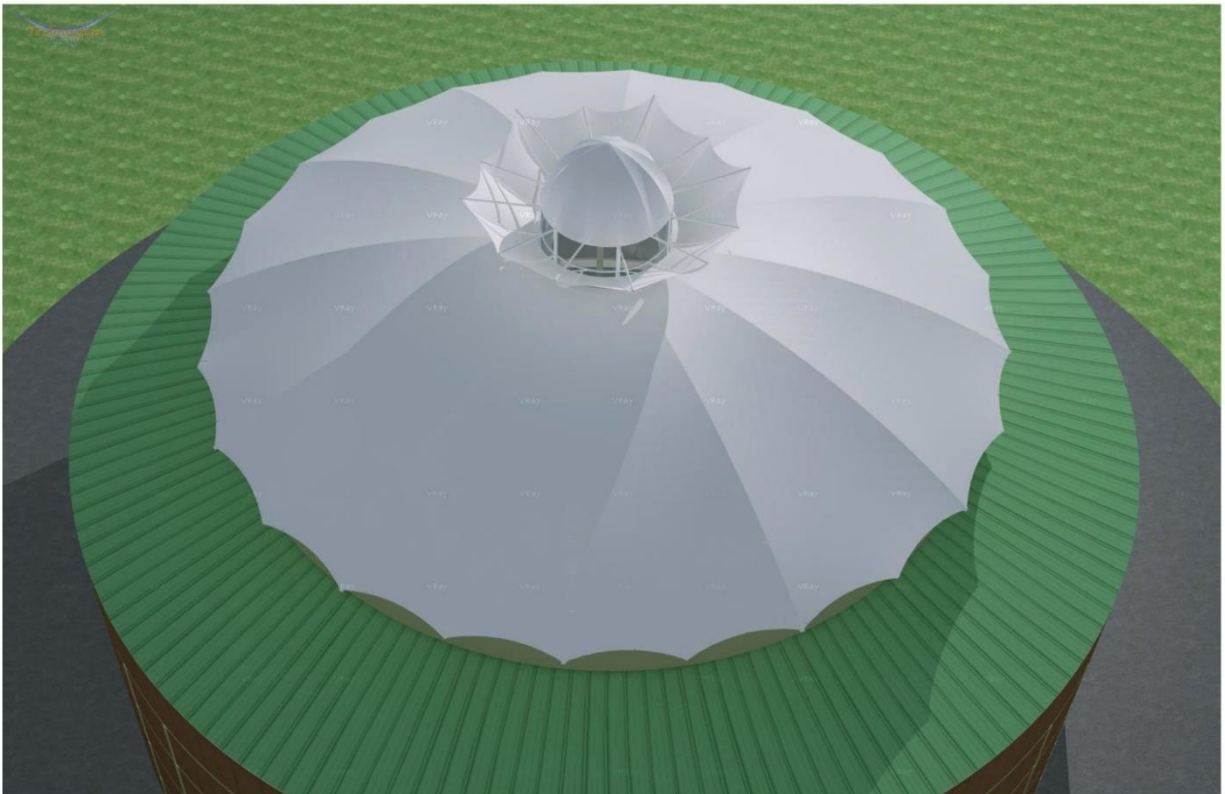
Consultants: Technospan Structures Pvt Ltd

Contractor: Technospan Structures Pvt Ltd

Type of structure. Conical structure.

Area : 1550 smt

Fabric : Ferrari 1202 S2 PVDF coated PVC fabric (France)







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**57 - Birla Mandir- Entrance Plaza- Ali bagh – Mumbai- India (2013)****Project description**

Client : Aditya Birla Group

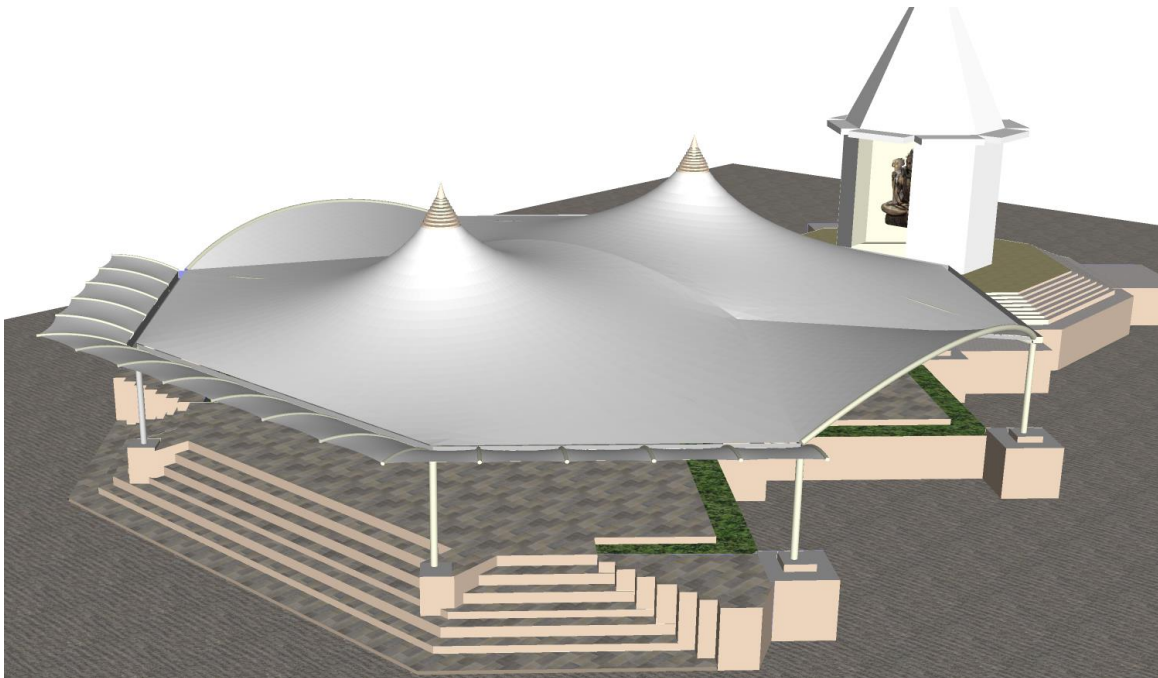
Consultants:

Contractor: Technospan Structures Pvt Ltd

Type of structure. Conical structure.

Area : 450 smt

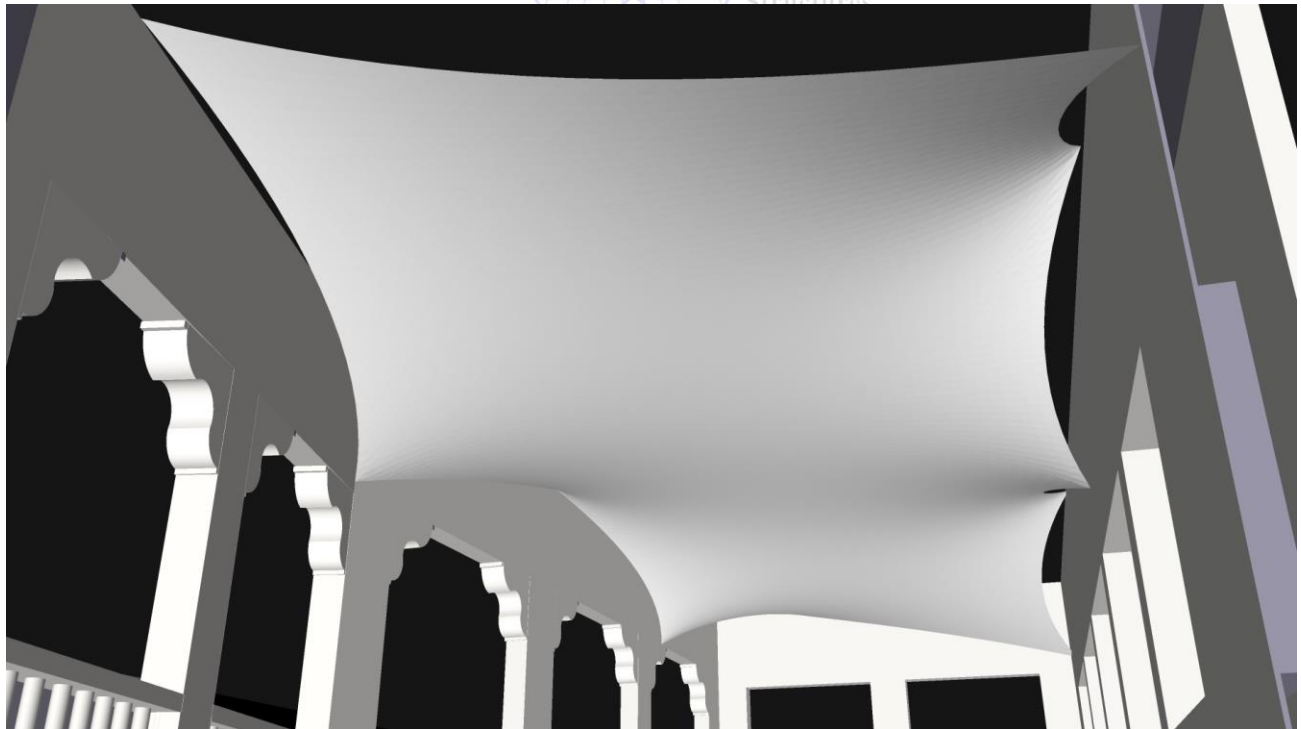
Fabric : Ferrari 902 S2 PVDF coated PVC fabric (France)







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**58 - Al Najada Souk Hotel for Sheikh Abdu Rahiman Al Thani – Doha, Qatar. (2010)**



**59 - Flex Group Chairman's Villa Entrance Canopy- New Delhi, India (2007)**



**60 - Kumarakom Group- Swimming Pool.- The Paul- Bangalore India.(2007)**



**61 - Bilal Plaza Entrance Canopy- Doha , Qatar. (2011)**





**62 - The Classical Palace Office Swimming Pool – Doha, Qatar. (2011)**



**63 - National Park Bannargatta – Bangalore- India ( 2008)**



**64 - Bus Parking Shelter - Malaysia 300 smt (2007)**





**65 – Moksh Mall – Mumbai -India (2008)**



**66- Confident Group Golf Course – Bangalore (2009)**



**67 – Qatar Petroleum Entrance Gate- Mesaed – Qatar ( 2010)**



**68- Bhavans School – Islamabad - Amritsar – Ounjab- India (2014)**





**69 - Infosys Hyderabad – Bus Waiting Shed – Hyderabad- India ( 2016)**



**70 - Infosys Hyderabad – Walkway Shed – Hyderabad- India ( 2016)**



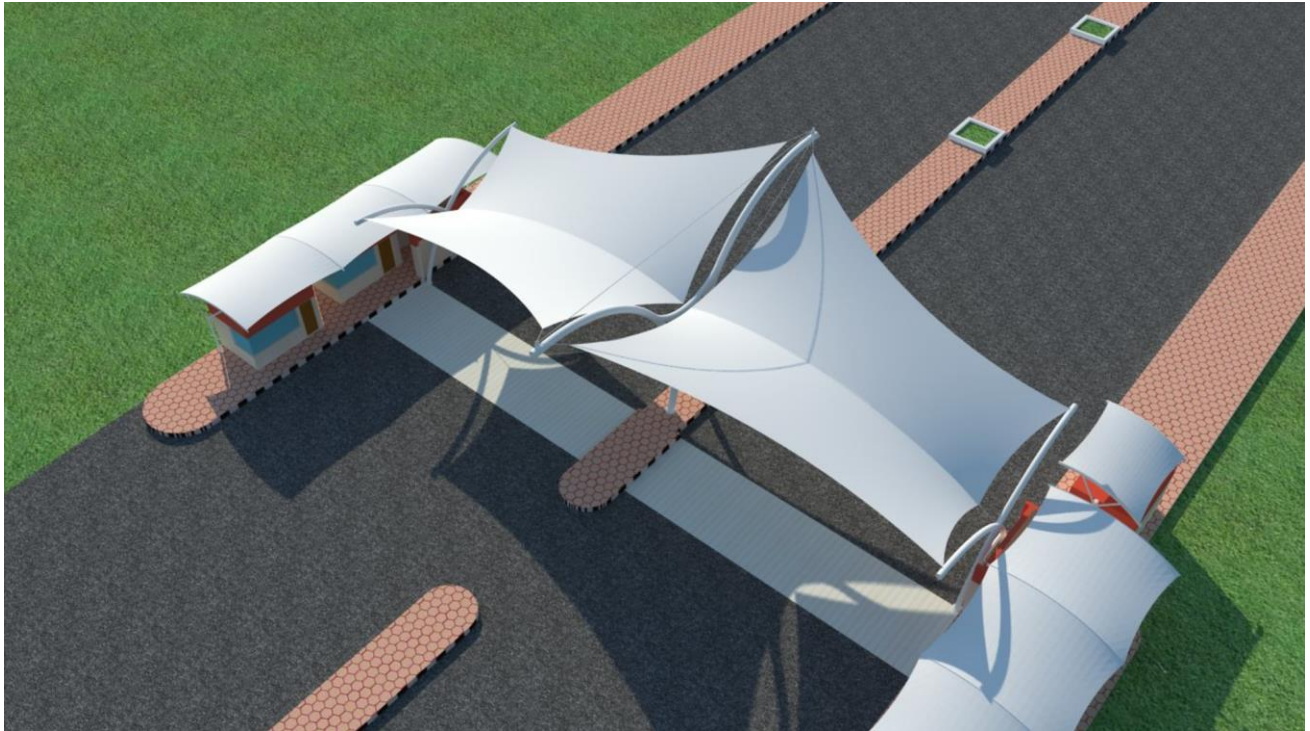


**71 - Infosys Hyderabad – Entrance Gate – Hyderabad- India ( 2016)**



**72- JW Marriott- Bangalore – Inida ( 2015)**



**73- Bagmane Entrance Gate – Bangalore- India ( 2015)**

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**74 – Clark Hotel – Bangalore – India (2011)**



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**75- Infosys Bangalore – Bus waiting Shelter -India (2016)**



**76- Adhidi Technologies Food Court – Bangalore – India ( 2009)**





**77- Kerala Science Park- Planitorium – 45m dia Fibirc Dome**

**78-Mumbai International Airport- Mumbai – India ( 2013)**



**79- DLF IT Park Chennai – 2022**

**80- Infosys Mangalore – Amphitheater -2020****Client: Infosys Ltd - India – 2019-20**

Project: Amphitheater for Mangalore Campus

Consultant: Technospan Structures Pvt Ltd

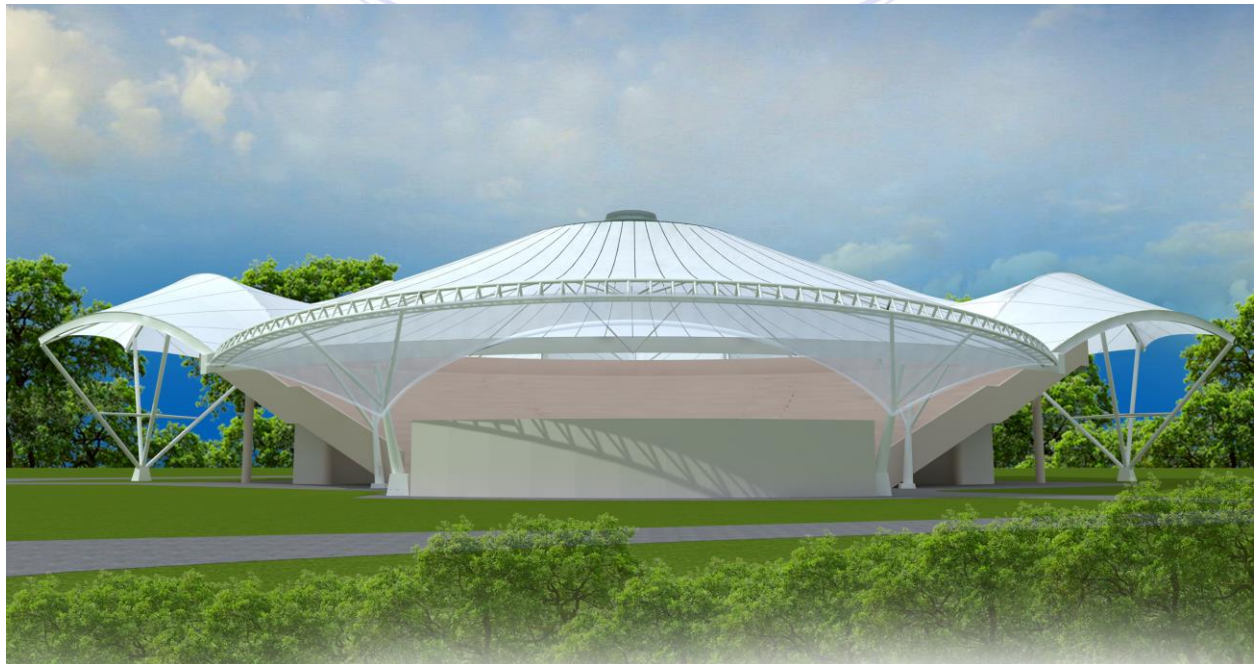
Structural Consultants; TRC Ltd - Bangalore

**Project description**

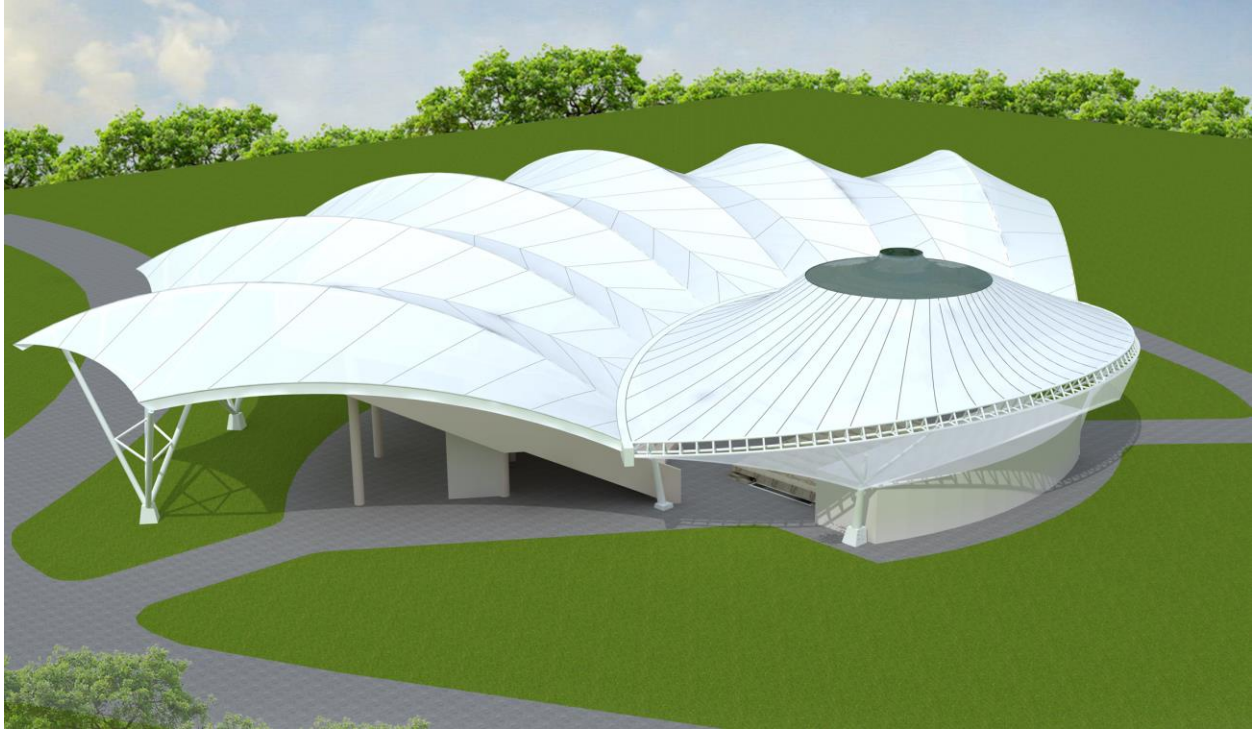
Surface Area: 6000 smt,

Fabric : Ferrari TX-30 Type III

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









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**81 – Delhi International Airport Terminal -01. Arrival and departure Canopies. 2021-2022****Client: GMR**

Project: Airport Terminal Canopies

Main Contractor: L&T

Structural Consultants; L&T Inhouse team

**Project description**

Surface Area: 17600 smt,

Fabric : Verseidag PTFE Fabric Type-III- made in Germany

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





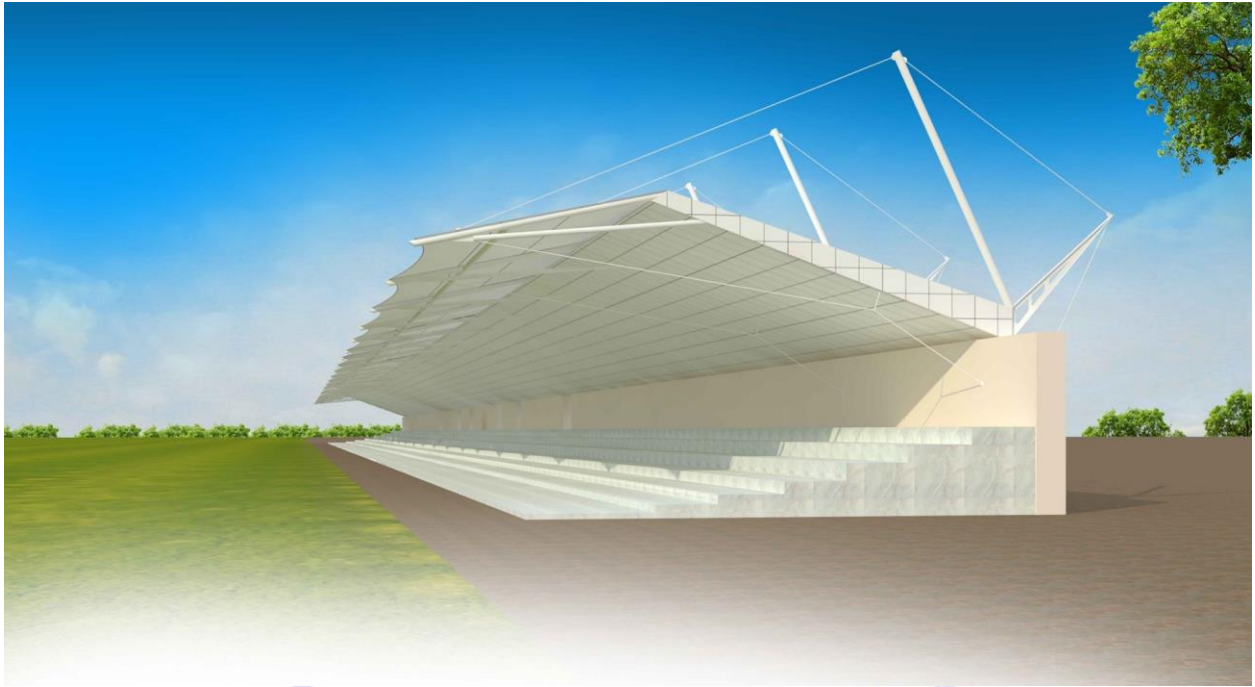
**Work in Progress as on 2022 January**







**82– BSF- Chawla – Parade Area Grand Stand – New Delhi – India – 2017**





**83 – Delhi International Airport – 20m dia Flower Sculptures New Delhi – India**

**Project name : Flower sculptures at Aero City 4 locations**

**Cleint : GMR,**

**Size : 15m x 30m**







#### 84- Infosys Mysore Security Gate – Inida



#### 85- Kanha Shantivanam Ashram- Sahaj Marge Spirituality Foundation – Hyderabad India- (2019)

##### Project description

Client : Sahaj Marg Spirituality Foundation.

Consultants : Creator Architects- New Delhi

Designer : Technospan Structures Pvt Ltd.

Main Contractor : Technospan Structures Pvt Ltd

Type of structure. Vault Type design

Area : 64000 smt

Fabric : Ferrari TX-30 Type-III PVDF coated PVC fabric.



Size : 165m x 135m Main Mall and 75m x 50m satellite buildings 6 Nos













**55m – diameter inverted cone – Funnel Type.**



**86 – Delhi International Airport Terminal -01. Airport Village.- 2022- On going Project**

**Client: GMR**

Project: Airport Terminal Canopies

Mian Contractor: L&T

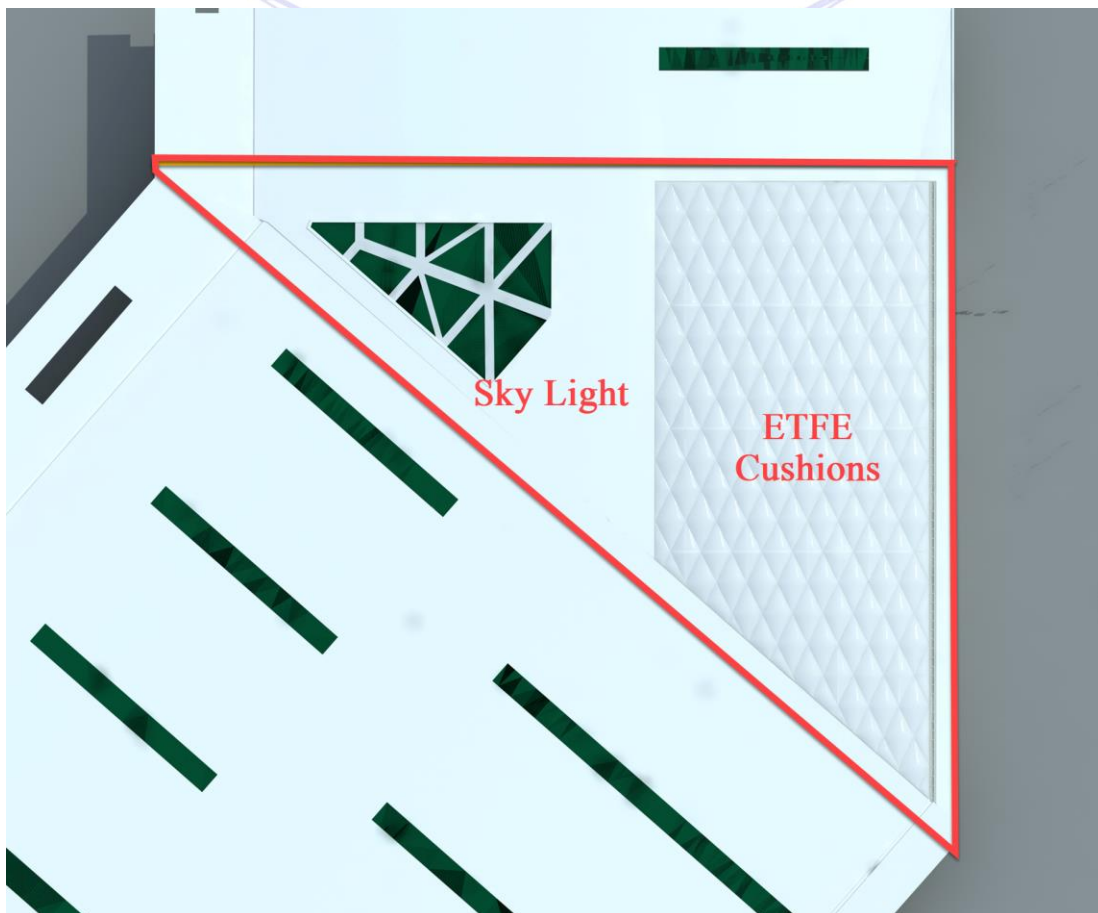
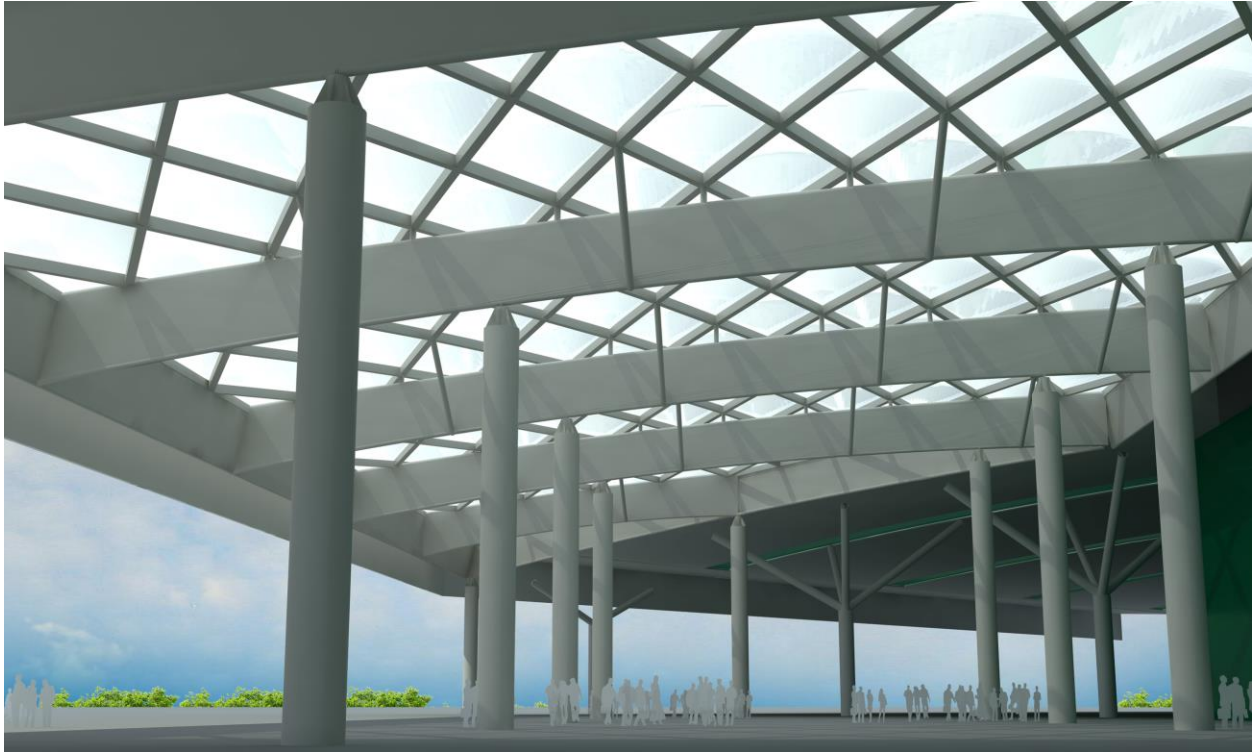
Structural Consultants; L&T Inhouse team

**Project description**

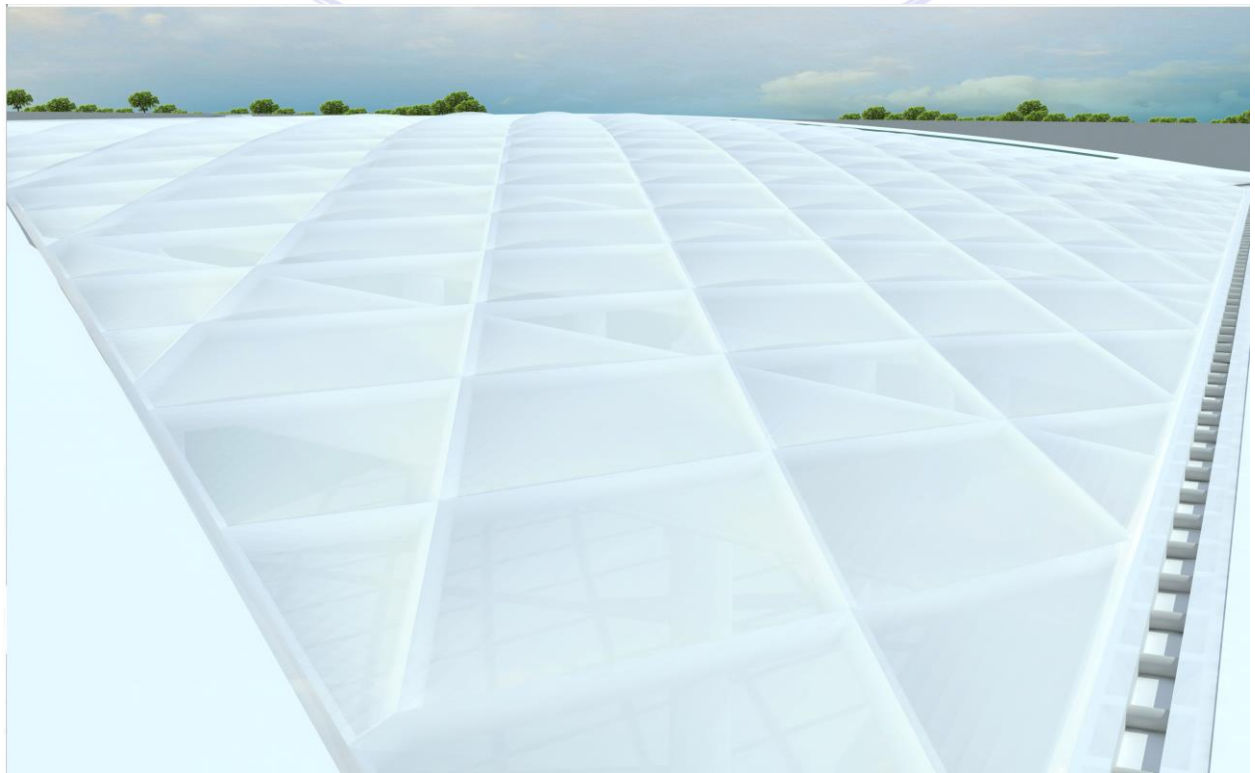
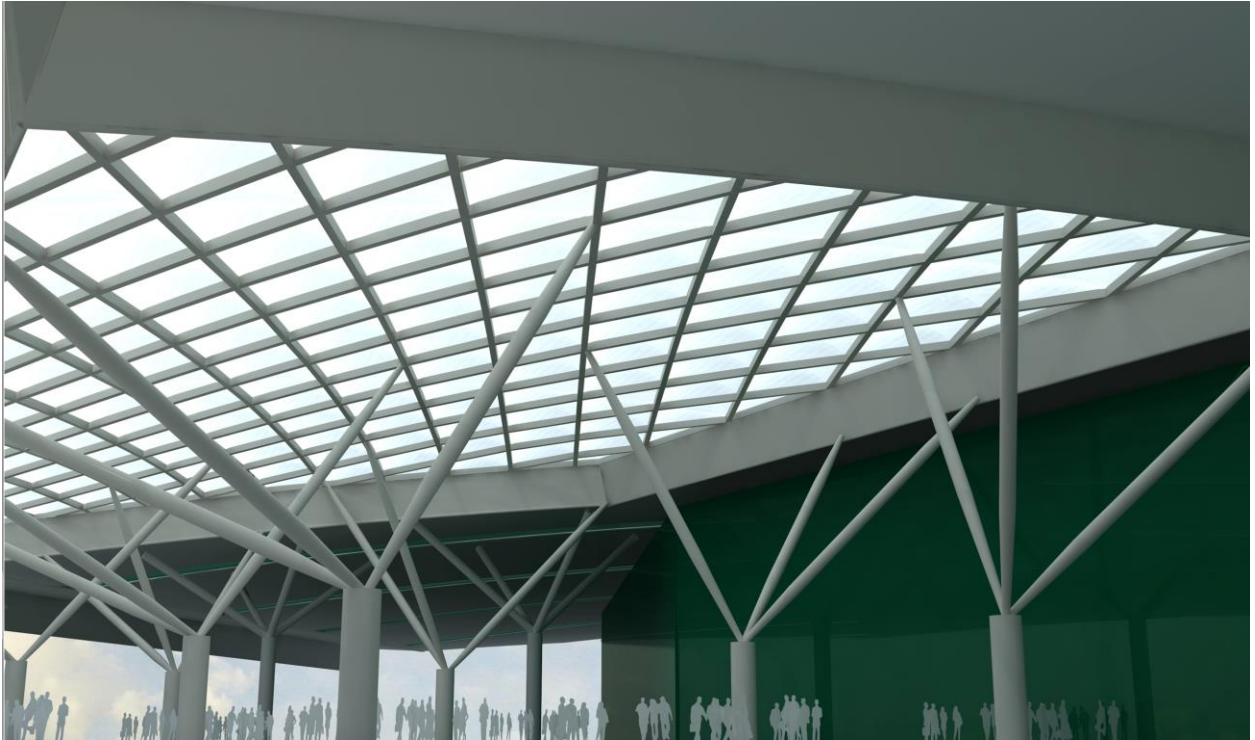
Surface Area: 4000 smt,+3000 smt Sky light

Fabric: ETFE Film Cushions -

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







**87 – Atlas Ideal International College- Malappuram .- 2020-****Client: Atlas Group Dubai**

Mian Contractor : Technospan Structures Pvt Ltd

Structural Consultants; Paper Shadow – Trichur Kerala

**Project description**

Surface Area: 2800 smt

Fabric : Serge Ferrari TX-30 Type-III PVDF Coated PVC fabric – made in France

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







**88 – Gokulam Galleria – Calicut Kerala : 2021-****Client: Sree Gokulam Group – Chennai**

Mian Contractor : Technospan Structures Pvt Ltd

Consultants; Architect Prasanth and Associates- Calicut

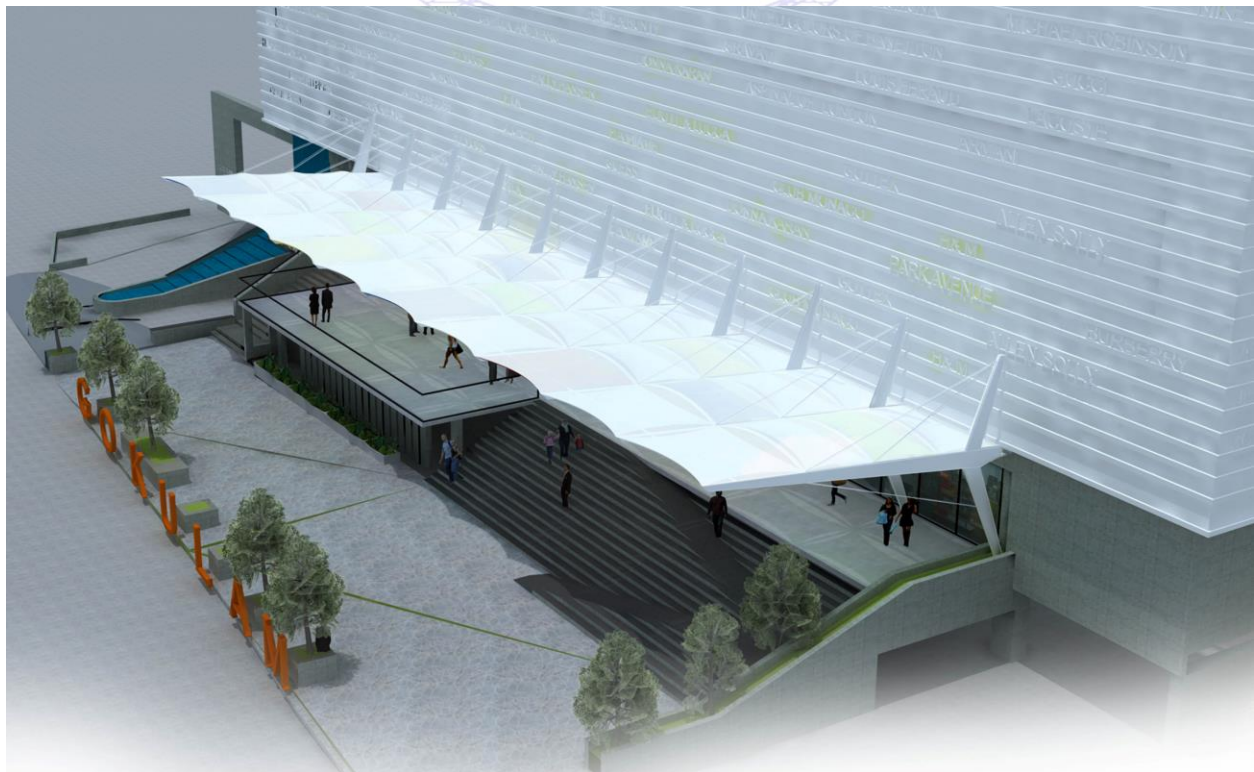
Structural Consultant: QDC- Bangalore

**Project description**

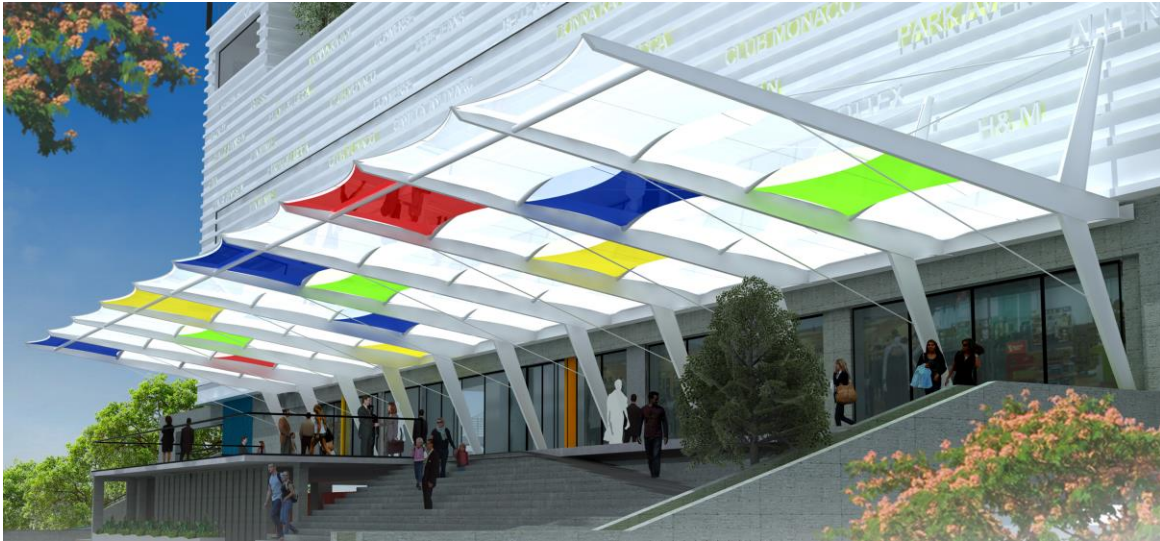
Surface Area: 2000 smt

Fabric : Serge Ferrari1002 S2 HT PVDF Coated PVC fabric – made in France

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

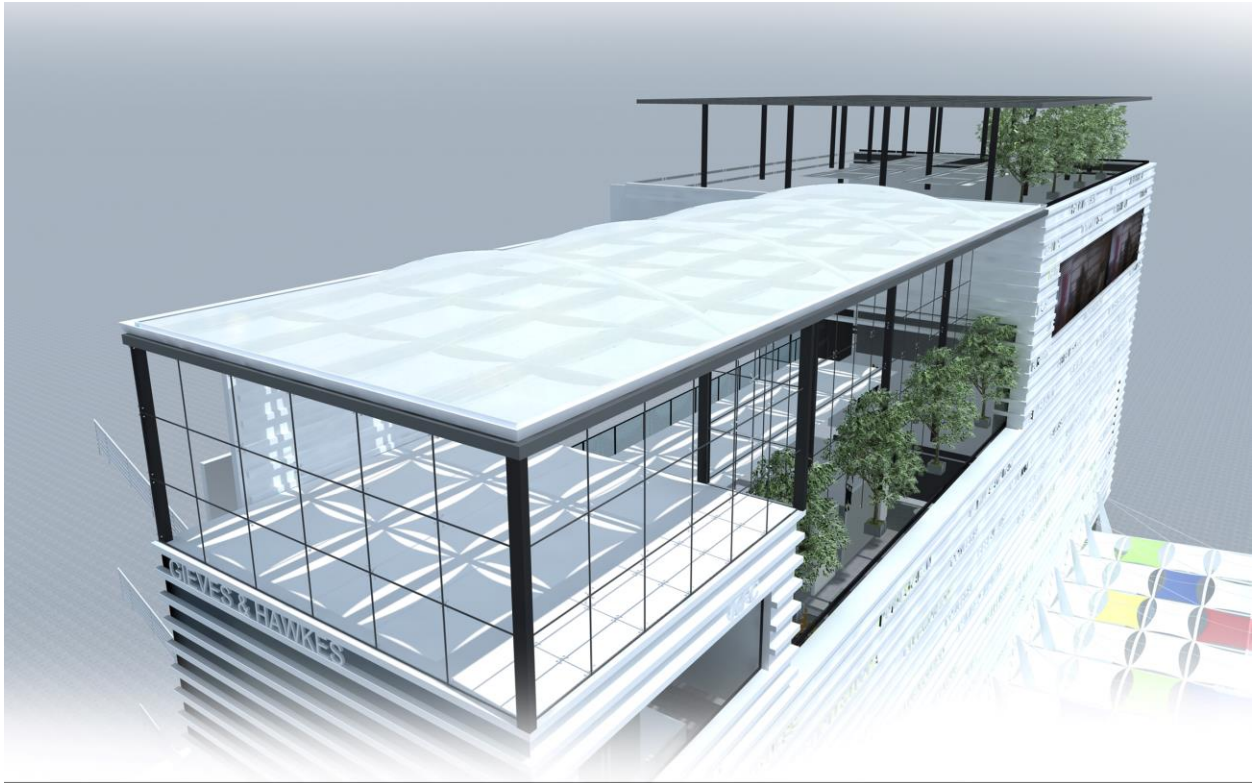
**10m Cantilever Entrance Canopy**



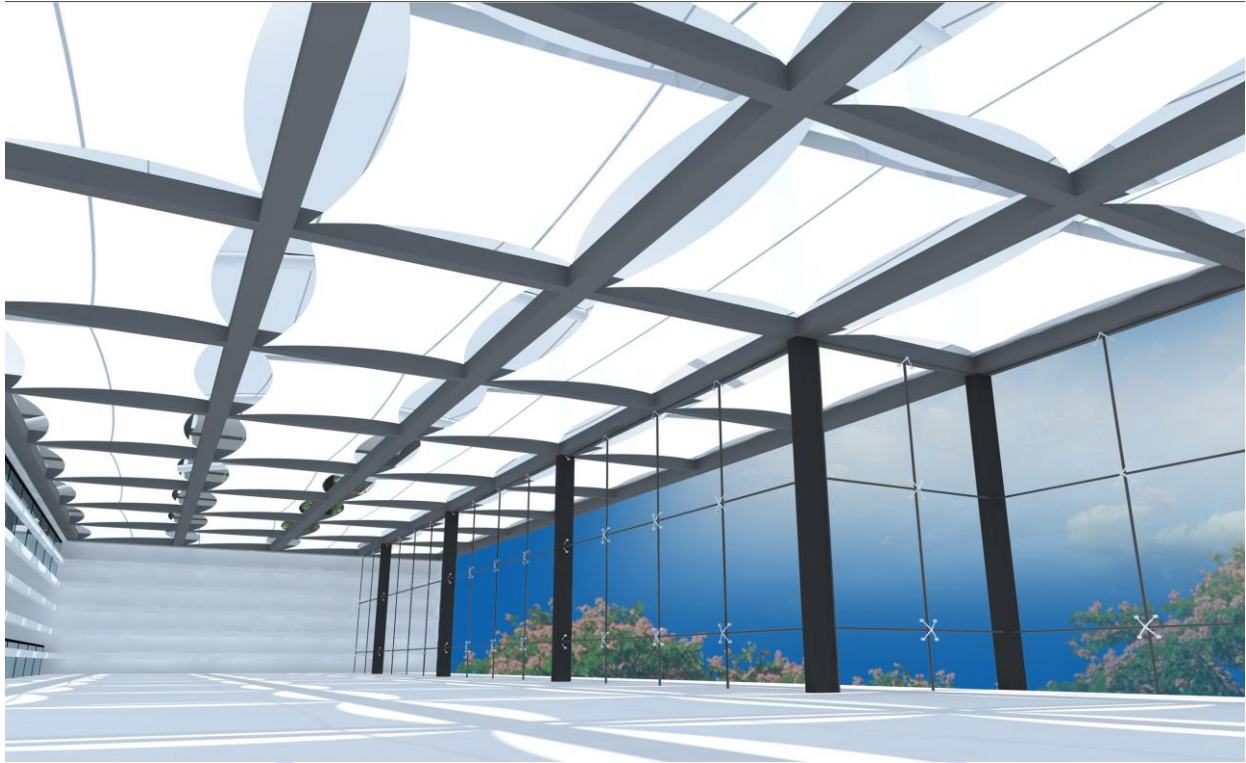




**Terrace top Food Court 50m x 11m**







### **89 – Amrita Hospital - Faridabad .- 2022- On going Project**

**Client: Mata Amritananda Math**

Mian Contractor : Technospan Structures Pvt Ltd

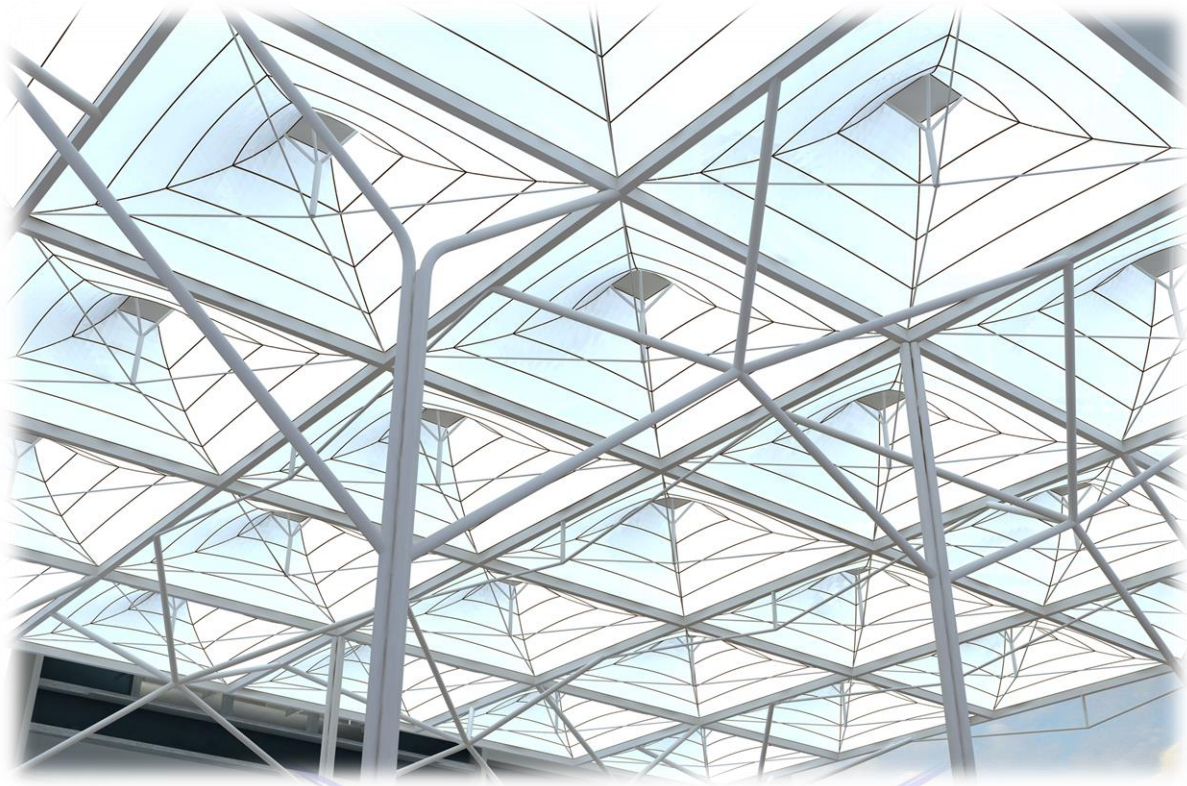
Structural Consultants; NIT Calicut

### **Project description**

Surface Area: 17280 smt

Fabric : Serge Ferrari TX-30 Type-III PVDF Coated PVC fabric – made in France

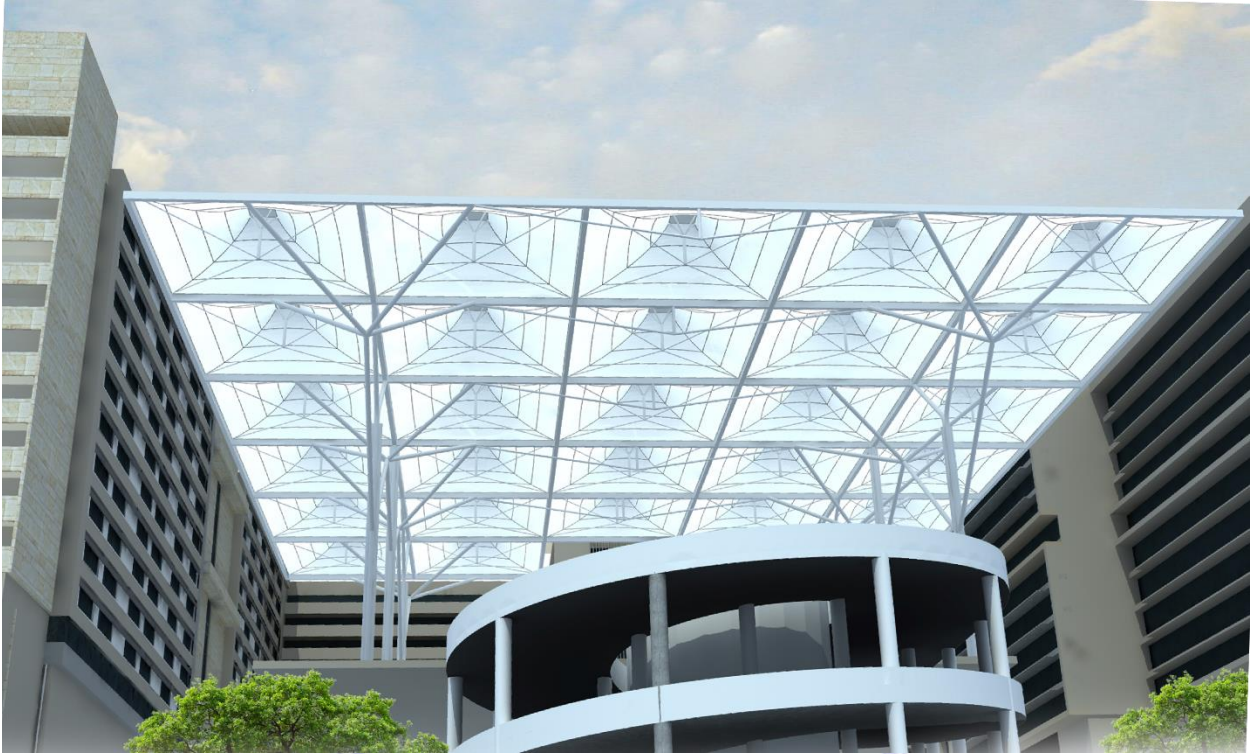
**Technospan Scope of work: Complete Structural Design, calculations, analysis, fabrication and erection.**



**Plan Area : 120m x 120**







**90 – PPSAS Entrance Canopy Kuala Lumpur Malaysia - 2022- On going Project**

**Client: Catonic Sdn Bhd- Malaysia**

Mian Contractor : Catonic Steel Sdn Bhd

Structural Consultants; Arup– Malaysia

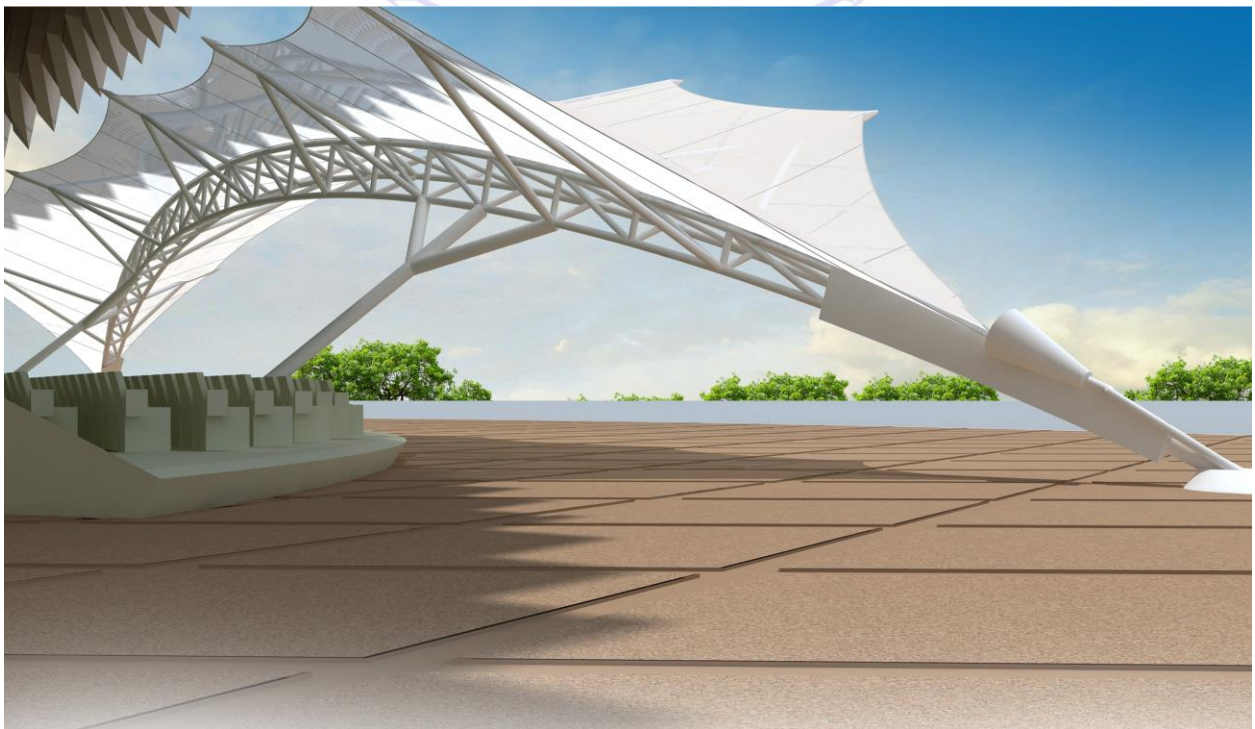
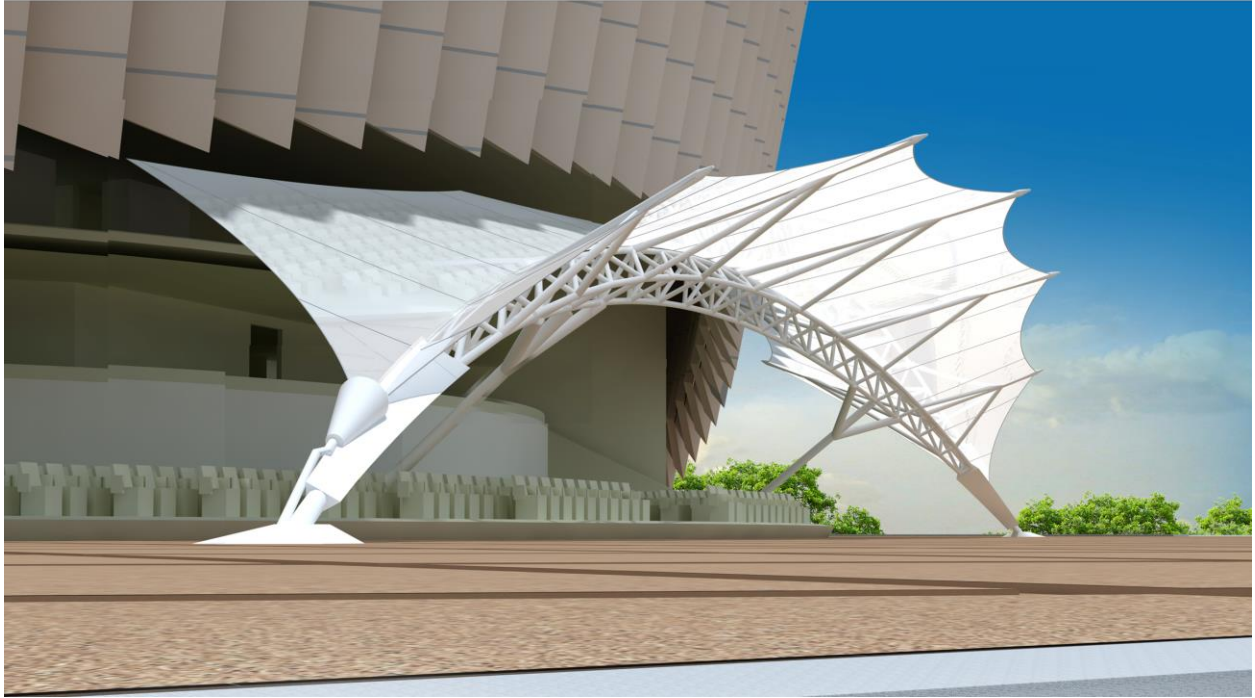
**Project description**

Surface Area: 1200 smt

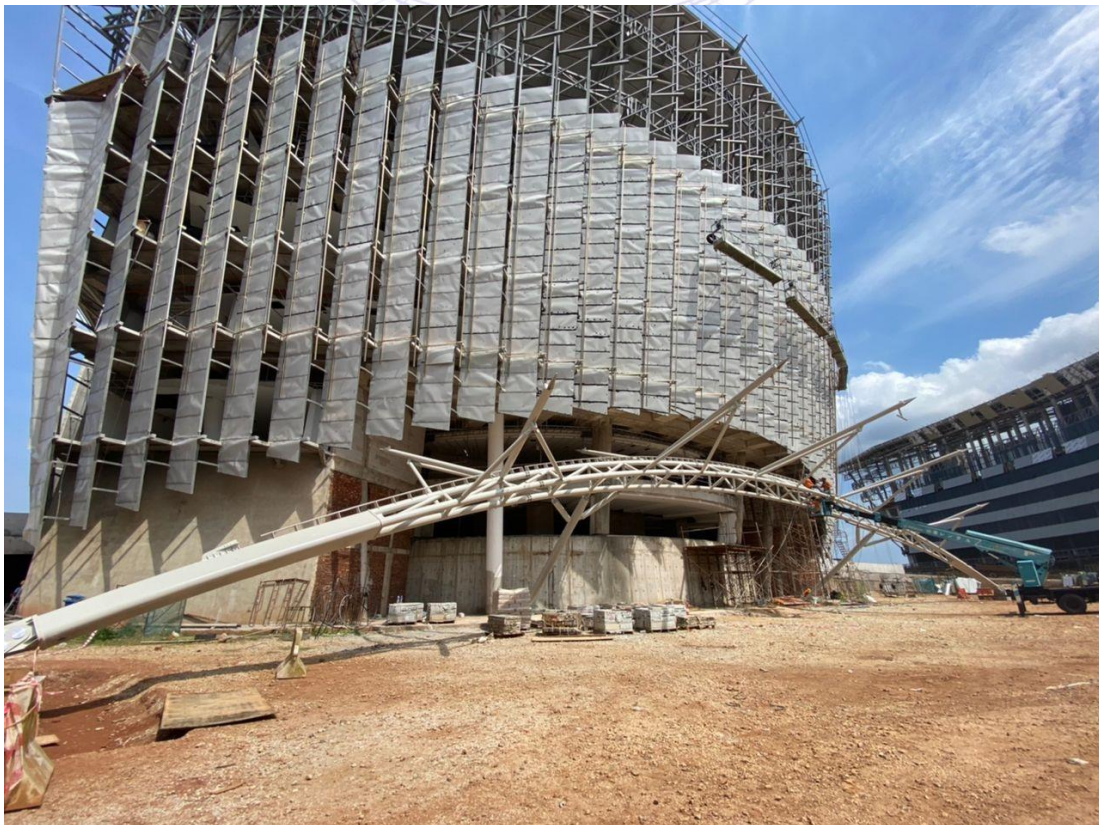
Fabric : Verseidag Type-II PTFE Fabric – made in Germany

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

**Size : 60 m x 15m**











**91 – AVENUE 37- SHOPPING MALL- BAHADURGARH \_ NCR Delhi - On going project.**

**Client: Austin Group**

Mian Contractor : Technsopan Structures Pvt Ltd

Structural Consultants; 4<sup>th</sup> Dimensions – New Delhi

**Project description**

Surface Area: 2100 smt

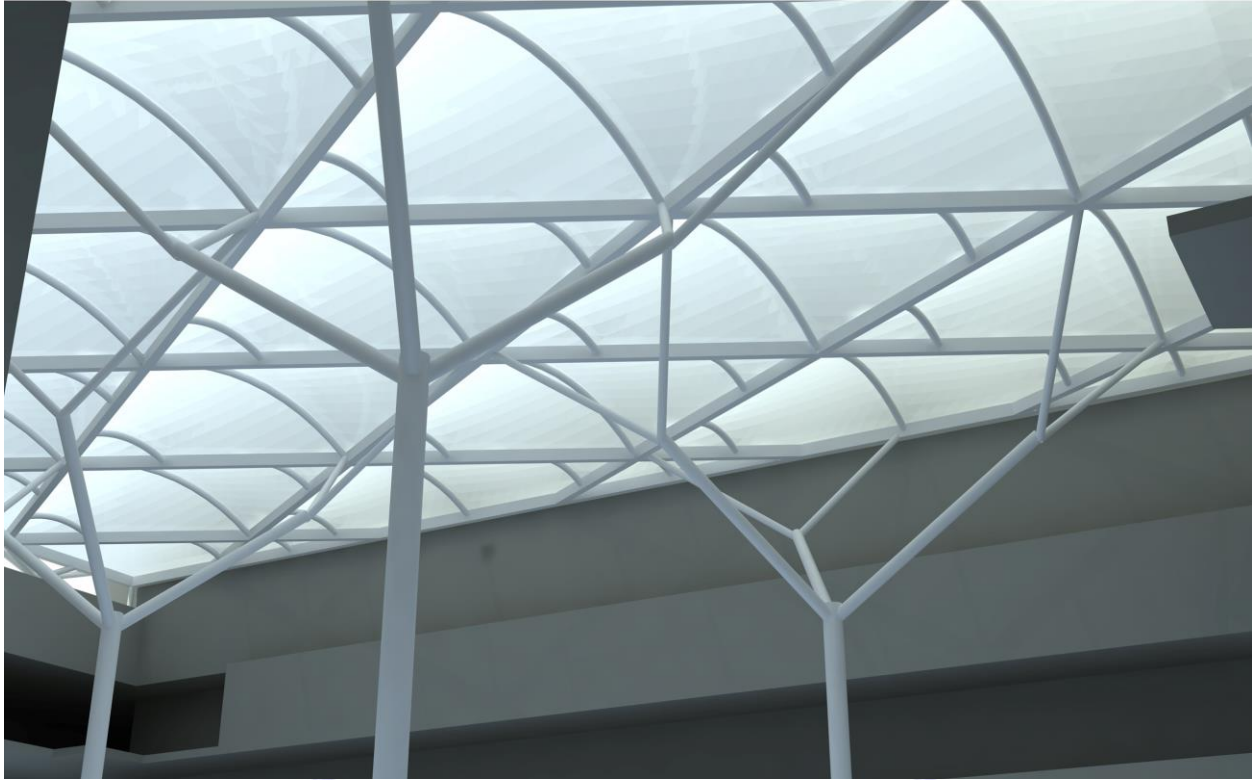
Fabric : European Fabric PVDF coated PVC fabric Type-II– Made in Austria

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

**Size : 45m span , 60m length**







**92 – TESCO Bengaluru - Food court uppler and lower level - On going project.**

**Client: TESCO Bengaluru**

Mian Contractor : Technsopan Structures Pvt Ltd

Structural Consultants; Technospan Structures Pvt Ltd

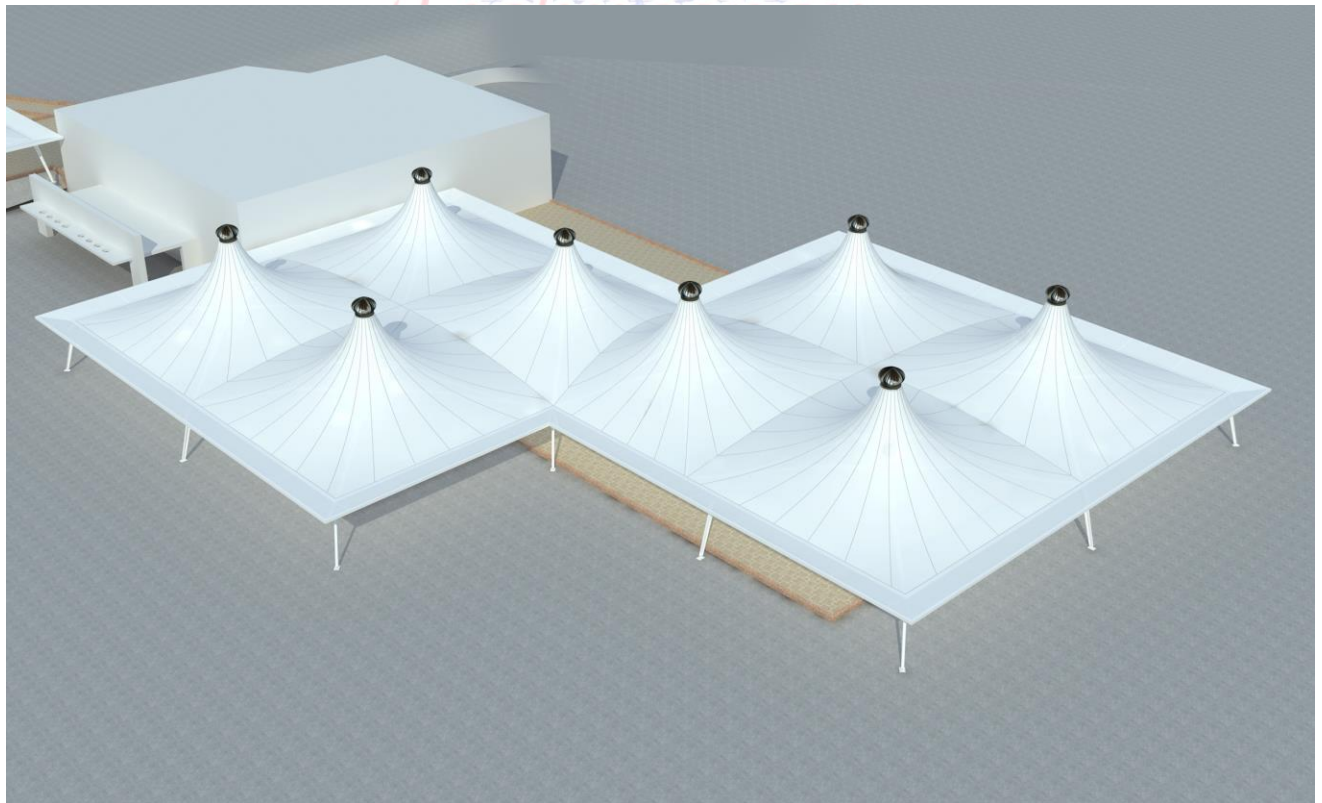
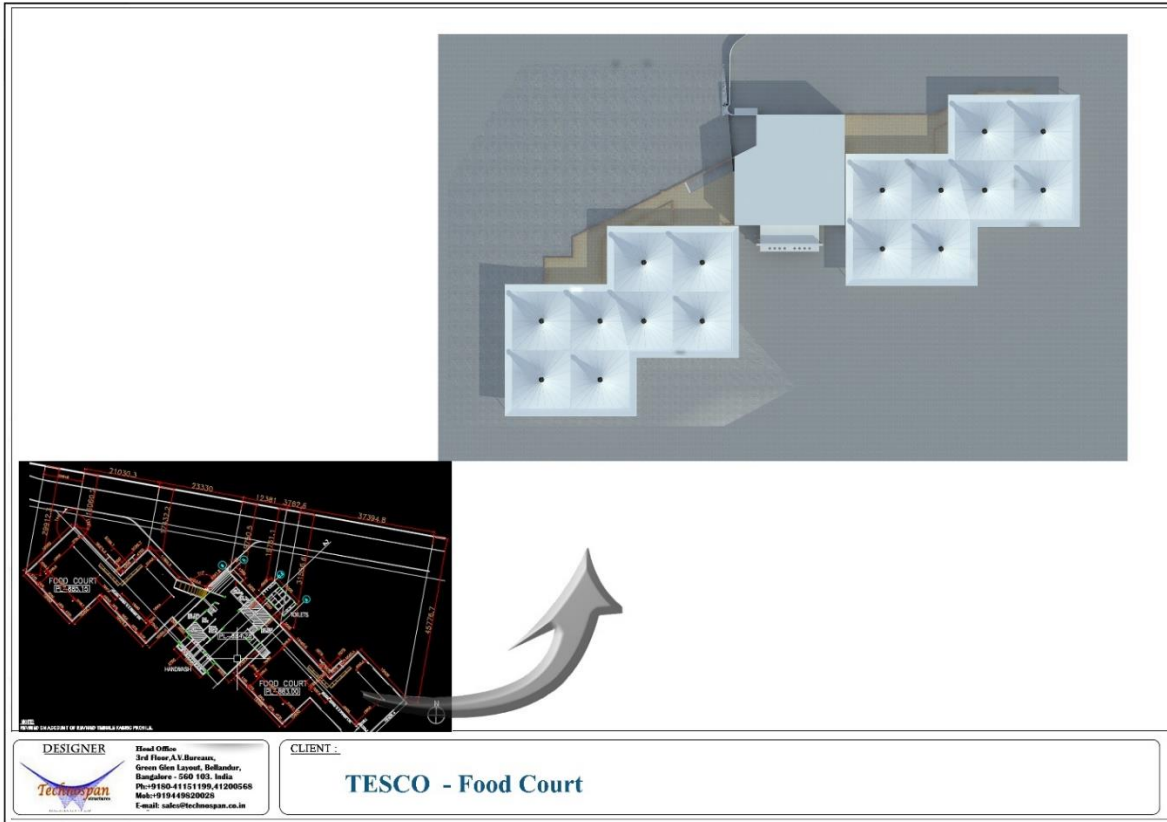
**Project description**

Surface Area: 2650 smt

Fabric : Serge Ferrari TX-30 Type-III– Made in France.

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











**For More Details please Contact**

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