INTRODUCTION

Tensile Structure Systems is a boutique firm specializing in the creative design of fabric architecture, roof systems, canopies and dynamic shade sails.

With over 30 years’ experience our mission is to provide the highest quality, most cost effective products with a customer service experience second to none. Great companies are only as strong as the people who build and support them.

For this reason, our team is comprised of passionate individuals dedicated to innovation and excellence and who constantly go the extra mile for our clients. In addition, our global partners share our passion for state of the art design, manufacture and ongoing innovation.

This unique infrastructure allows us to offer the best overall value in addition to the most complete service and support from initial concept through successful completion of every project.

Please contact us to help bring your design concepts to reality and we thank you for the opportunity to be of service.
From Concept...

...To Reality

Main Entrance Canopies and Port Cocheres
Pre-engineered Modular Fabric Structures

Pedestrian Walkway Canopies
“We contacted Tensile to provide a custom solution for our client, a Fortune 500 Company here in Michigan and they delivered on time and under budget. We would not hesitate to call on TSS for future projects”

— L. Ferrell – Industrial First Inc.
DESIGN & ENGINEERING

Tensile Structure Systems efficiently designs and engineers innovative and aesthetically appealing tensile structures using the very latest software, form finding and load analysis. This ensures our clients and production facilities receive the most accurate information that is easily shared globally by our fabric architecture team.

All projects are specifically designed to meet local and national codes for wind, snow and seismic and are reviewed and sealed by regional Licensed Professional Engineers.

Common materials are PTFE-coated fiberglass and PVC-coated polyester. Other shade structures make use of ETFE film, either as a single layer or as a multi-layered cushion which can be inflated to provide effective insulation and aesthetic benefits.

Our facilities design and produce durable shade and fabric structures using hot-dipped galvanized components, anodized structural aluminum or high-strength powder coated finishes.
TENSILE STRUCTURE SYSTEMS

Update Building Facades using Architectural Screening

Large Scale Sports and Recreation Structures

CADD and BIM Modeling
Hotels and Resorts

Event Pavilions

Translucency Provides Bright Airy Environments
Residential Custom

Architectural Umbrellas
PRODUCTS & SERVICES

Tensile Structure Systems offers a wide variety of modular fabric membrane structures and pre-engineered canopies and shade sails.

- Shade structures and fabric structures designed to international building codes
- All work certified by licensed professional engineers
- Fabricated in our quality-controlled environment
- Erected under careful supervision of experienced project managers
- Years of maintenance-free service
- Green LEED compliant and energy efficient
- Professional logistics deliver a complete turn-key project on time and within budget.
- Worldwide service and support in conjunction with our strategic partnerships.
- Already own a tensile fabric structure? We can easily upgrade, repair or replace membrane fabric panels on an existing structure.
Aquatic and Club Applications

Energy Efficient Shade Designs
Passenger Terminal and Public Transportation Solutions

Enclose Existing Facilities

Innovative Commercial and Residential PTFE Roofing
OUR PARTNERS

• We have developed strategic partnerships around the world including Canada, Mexico, the United Kingdom and Europe.

• Our team has successfully completed more than 4,700 projects worldwide including large scale and fast track installations.

• We have the most cost-effective solutions and designs that meet or exceed International Standards.

• There is no compromise with Tensile Structure Systems.

Made for Shade
Production using skilled craftsmen and quality components ensure our products are built to last.