



Anatomy of a Tension Structure

Course Description: Anatomy of a Tension Structure explores innovative architectural solutions using tension membrane structures. The course teaches viewers about tensile membrane structures from conceptual design through to final construction.

Credit: 1 LU **Course#:** K1907JE

Learning Objectives:

1. Identify the forms and uses of fabric structure design.
2. Examine available materials, components, and hardware used in tensile architecture.
3. Assess the fabrication and installation processes of fabric structures.
4. Review case studies of different ETFE and PTFE tension structures.

Course Outline:

- Section 1: General Forms and Membrane Types
- Section 2: Concept Development and Design Analysis
- Section 3: Structural Engineering and Material Fabrication
- Section 4: Installation
- Section 5: ETFE
- Section 6: Case Studies

Presentation Method: The CES Facilitator utilizes a HD presentation virtually to present the maximum amount of project and application information. There will be opportunities for questions and input from the audience during the presentation.

A/V Support Requested (In Person Only): Electrical power for 2 elements, an extension cord (if power source is more than 5' away) and projector or monitor. We would prefer a room that can be darkened. CES Facilitator will provide computer and/or flash drive with presentation.

Course Credit: After the presentation, those in attendance will receive the 1 AIA Learning Unit.

Cost: There is no cost to bring this program to your firm.

To schedule a presentation or learn more about the course, contact us.

1.877.887.4233 or info@fabritecllc.com

Learn more about Pfeifer / FabriTec Structures at <https://fabritecstructures.com/>