

Lightweight Structure Prototype Development

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Concept Designer + Project Manager

The petal-like forms that make are held up by air pressure and the pattern of the fabric itself. The petals can then be combined into a variety of configurations. Following graduation, the University commissioned a further stage of research. Using physical models and software, my project team created a full-scale prototype of the fabric portion of one "petal." This prototype was then installed as an interior sculpture that now functions as the main conference area at Penn's Department of Facilities and Real Estate.

