

01. red bull pavilion: overview

semesterübung ws 05/06 universität für angewandte kunst, wien - architekturentwurf 2, o. univ. prof. greg Lynn

- 29.09.05 RFQ /Task Introduction
- 11.10.05 Research Phase Pin-up
- 18.10.05 Structures Pin-up w/ K. Bollinger
- 16.11.05 Midterm review
- 12.12.05 Competition Jury w/ angewandte & Red Bull representatives to select 5 projects to advance
- 21.01.06 Red Bull Selects scheme for construction



This task will investigate lightweight, de-mountable structures, specifically an exhibition pavilion for Red Bull. The semester will focus on the innovative use of new materials and structural systems, signage and contemporary product design sensibilities that engage high energy corporate identity of Red Bull. The company has agreed to fund the construction of several large-scale partial prototypes and will to manufacture one of the student proposals.

02. red bull pavilion: research

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- 18.10.05 **Structures Pin-up w/ K. Bollinger**
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Research Phase:

Work in research groups of a maximum of 3 people per topic

Present a summary in A3 format. We will combine the research into a reference book for use by the entire studio. You will not be limited to your research topic during the design phase.

Materials:

- Cardboard
- Paper
- Ultra Light Metals
- Plastic Skins
- Membranes (teflon, nylon)
- Foils
- Foams
- Thin Stone
- Ceramics
- Wood

Structural systems:

- Rigid Frame (space frames, geodesic, lattice)
- Self-supporting shells
- Tensile Membranes
- Composites
- Domes

Signage Systems:

- Print
- LED and other illumination types
- Active Displays
- Etching and Engraving
- Laminates

03. red bull pavilion: structural concept

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Familiarize yourself with the research from the entire class and develop a structural concept for your pavilion.

Required Materials for the presentation with Klaus Bollinger:

Examples and applications at a variety of scales
Material(s) description

04. red bull pavilion: midterm

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- 4 A1 sheets
- 1 1:20 model
- 1 leave behind document



The midterm review is your last chance to get critical feedback on your design proposals before the jury that will select the 5 designs to proceed. Therefore the entire scope of the design of the project should be completed for the midterm. The Red Bull representatives will not be present for this review and it will be a working session with a panel of experts from the fields of architecture, industrial design, graphic design, communications and engineering. In addition to the required materials, everyone should also produce a "leave behind" document such as a digital video, a brochure or some other representation of the project in situ.

MINIMUM REQUIRED MATERIALS:

- **1:20 Plans & sections, 1:10 typical details and other technical drawings**
- **Animation or diagrams describing mounting, demounting, packing and transport of the pavilion**
- **Rendered vignettes or model photo collages of the pavilion in use**
- **Signage and graphics concept**
- **Structural system and structural analysis**
- **Technical drawings of envelope**
- **Design of anchoring, ground, landscape, furniture and other systems.**
- **Materials inventory and samples, color and lighting design**
- **1:20 model**

NOTE: After the midterm, if there are students whose work is either incomplete or underdeveloped we will warn these students and outline a set of deliverable materials in order to present at the December review.