



A L I C E

evolver

EPFL / ENAC / IA / ALICE atelier de la conception de l'espace spring semester 2009 dieter dietz, aline dubach, eveline galatis, olivier ottevaere, daniel pokora, isabella pasqualini, katia ritz



design process 10

assembly 24

evolver zermatt stellisee 2009 2010 30

team 50

evolver

Evolver is an inhabitable sculpture erected for the Zermatt Festival, the renowned annual event for Chamber Music featuring the Berlin Philharmonics and many others. As an architectural artifact Evolver intervenes spatially on the panorama surrounding Zermatt and was designed and executed by a team of 2nd year architecture students from the ALICE studio at EPFL in Lausanne, Switzerland. In an effort to take full advantage of the site's extensive and astounding views, the project sits strategically next to the lake Stelli at an altitude of 2536m. Its structure mainly consists of a succession of 24 rotating frames supporting an enclosed space that visitors are encouraged to enter. As he or she progresses through the space, a concealed but uninterrupted 720° movement is unraveling along a transformed panorama. This transformation occurs while inside a person is moving along a selective string of openings only to be caught peeling off a sequence of unexpected views from the original landscape. Wobbling below and above a distant horizon, ground and sky have been re-orchestrated into an orbiting panorama by a journey that has already culminated to where it started: A loophole on the skyline.

design process

ENTREE ALPINE

The second semester of the academic year 2008/2009 was a continuation of our investigations on altitude.

We developed a project in a mountainous, alpine condition in several resolutions at different scales. First, a series of mountain passes were looked at and transformed into panoramic site models. Subsequently the program of Entrée Alpine has been introduced as a first step towards a project proposal: the design of an Alpine Motel.

After the Entrée Alpine phase 16 proposals have been evaluated in a jury with external experts in a public review. Several proposals served as the basis for a 'one to one' structure to be erected in Zermatt at an altitude of 2536m as a part of the Zermatt-Festival.

This booklet shows the studies on geometry, scale, materiality and structural performance. The Entrée Alpine group of 10 students finally settled on a design based on the figure-8 Klein bottle equation. The project was erected in summer 2009.









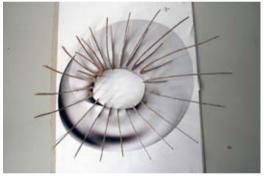






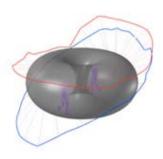








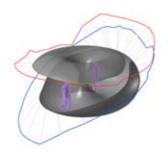




Studies on geometry and structural systems

















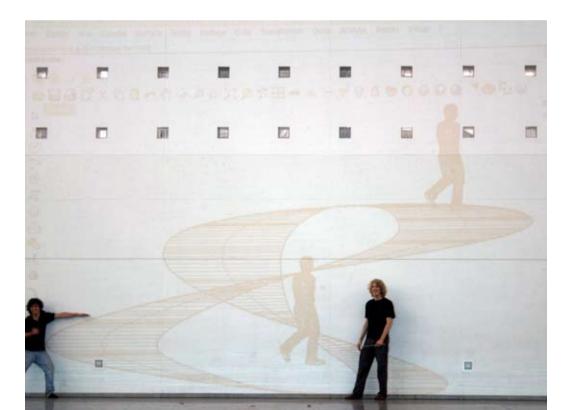






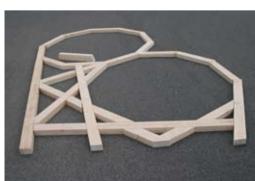












Studies on scale Physical models







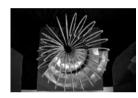












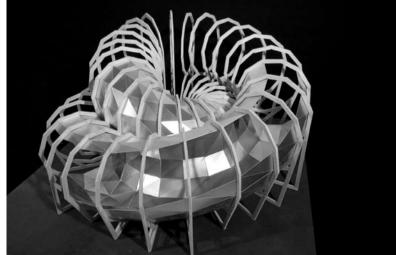








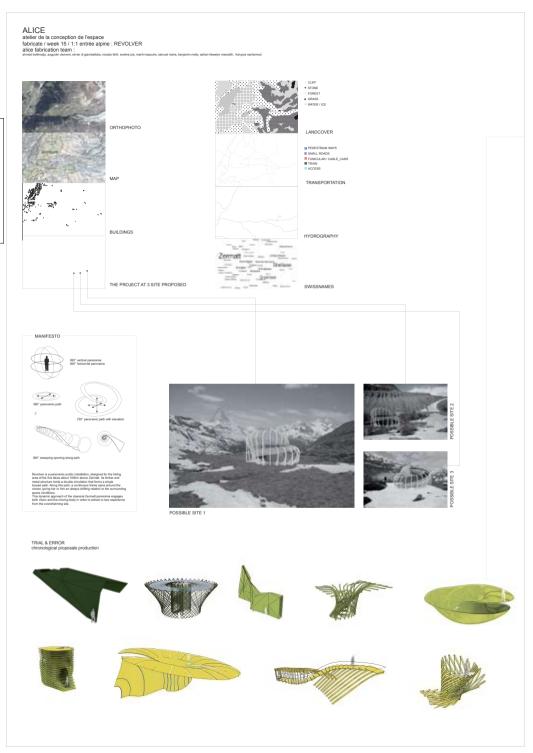


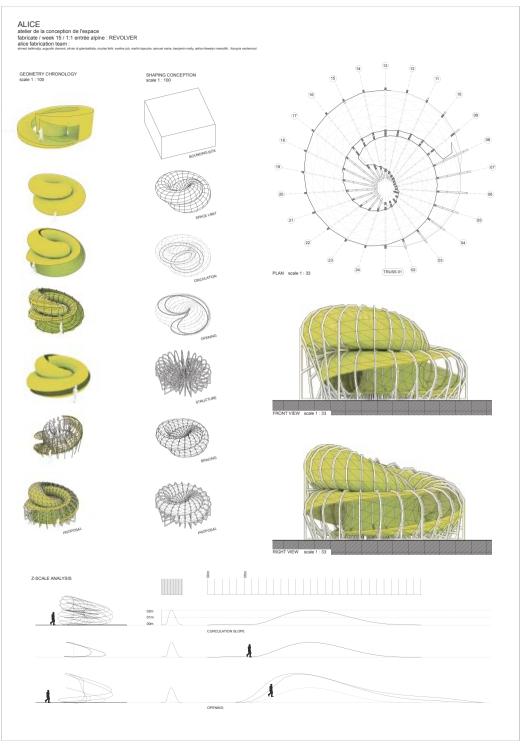


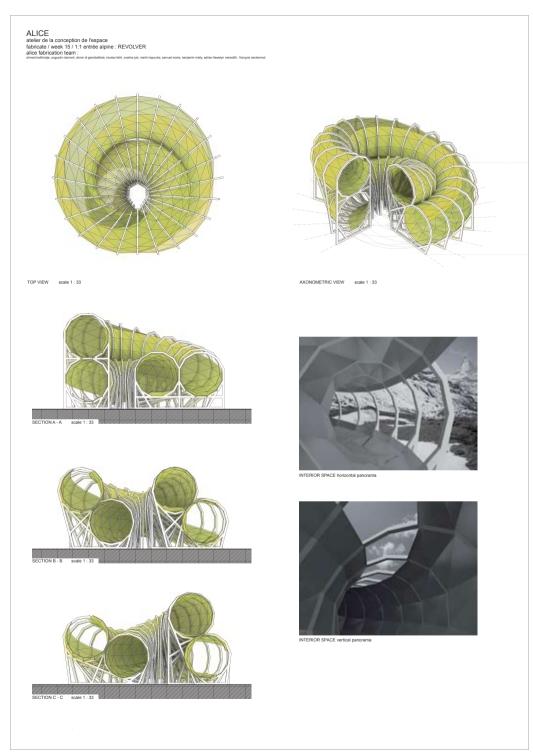


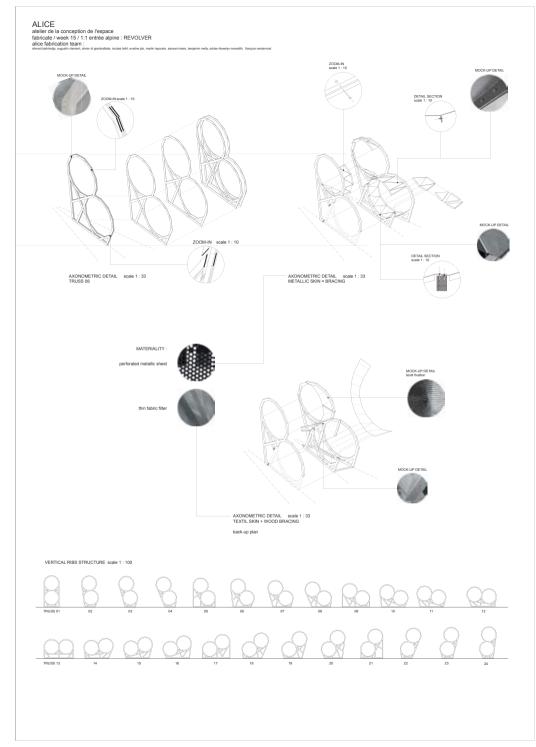


Across and following pages: final project in flat ground condition trusses and studies on skin materialisation









assembly

FROM EPFL TO ZERMATT

Evolver was partially prefabricated in Lausanne at EPfl+ECAL lab and at EPFL. The trusses were then transported to Zermatt Stellisee to an altitude of 2536 meters above sea level. The Entrée Alpine group erected the structure in a joined effort in a three weeks period in August and September and was inaugurated at the Zermatt Festival 2009.

































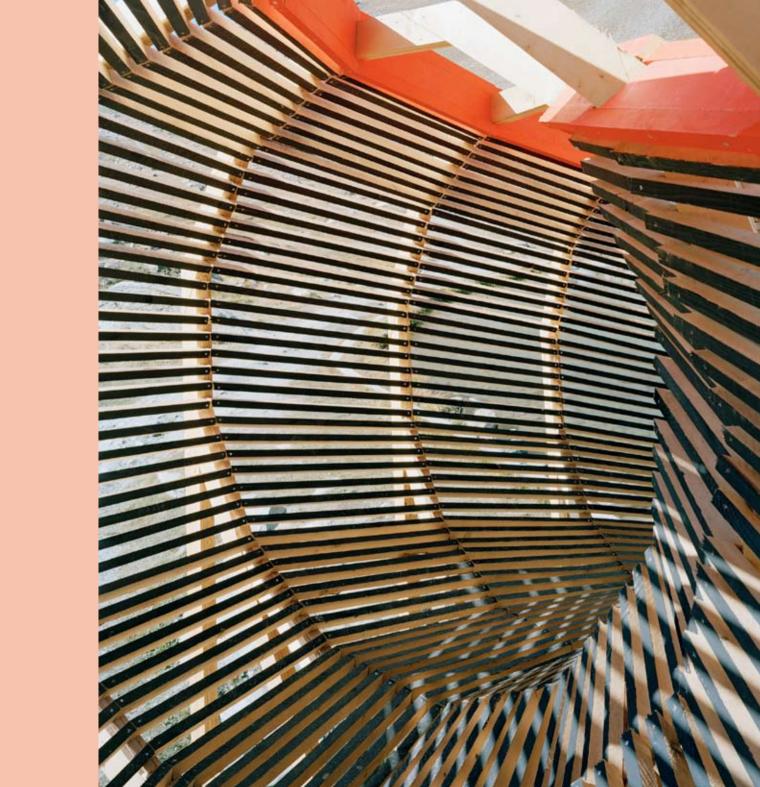
Transport The first trusses erected Evolver evolving







evolver zermatt stellisee 2009 / 2010





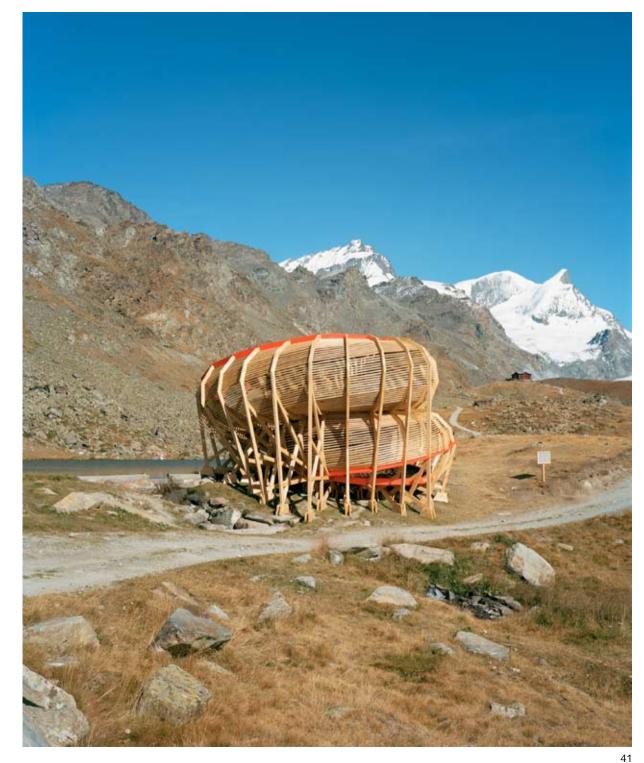






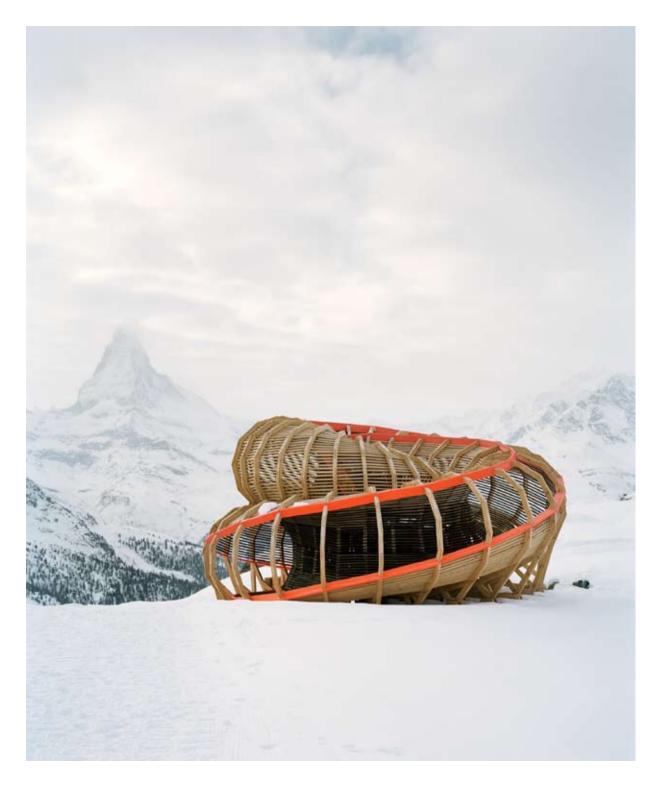
















team

acknowledgments

alice students 2008/2009

Alexandria Ming Aerni, Ahmed Belkhodja, Augustin Clement, Samuel Devanthéry, Lionel Epiney, Nicolas Feihl, Olivier Di Giambattista, David Jenny, Eveline Job, Elias Kesselring, Jonas Läubli, Martin Lepoutre, Samuel Maire, Lukas Manz, Benjamin Melly, Adrian Llewelyn Meredith, Youcef Mezzour, François Nantermod, Julien Prudhomme, Korab Ramadani, Fabian Roth, Gabriela Schär, Danny Te Kloese, Barbara Thüler, Hadrien Tricaud, Tom Doan Tuan, Vy Pham Thi Hoang, Simon Wälti, Anina Weber, Carole Westhoff

alice team

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design and fabrication group

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photography Joël Tettamanti

this project would not have been possible without the significant contributions of the following sponsors and institutions:

ENAC Faculty, EPFL Lausanne; Institute of Architecture, IA EPFL Lausanne; Zermatt Festival; Zermatt Tourismus; MGB, Matterhorn Gotthard Bahn; ZBAG, Zermatt Bergbahnen AG; Burgergemeinde Zermatt; Archeotec SA Groupe Archidata, Epalinges; Bossard Groupe, Zug; Scierie de Cornaux SARL; Boissec, Ecublens; Jallut peinture, Bussigny

special thanks to:

Daniel Luggen, Director Zermatt Tourismus; Marc Parlange, Doyen ENAC EPFL; Giorgio Margaritondo, Vice President EPFL; Nicolas Henchoz, Director EPFL+ECAL lab; Ines Lumunière, Director SAR, EPFL; Bruno Marchand, Director IA, EPFL; Olivier Feihl, Director Archeodata; Team Bergrestaurant Fluhalp; Helge von Giese; Eveline Galatis, ALICE lab EPFL

for their wide spread support.





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