

Ecoscope Ecological hyper-surfacing

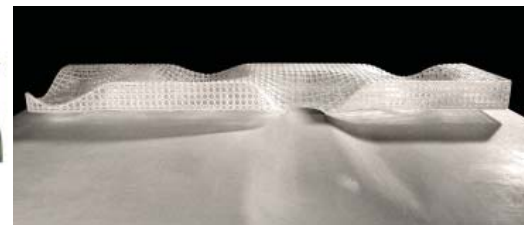
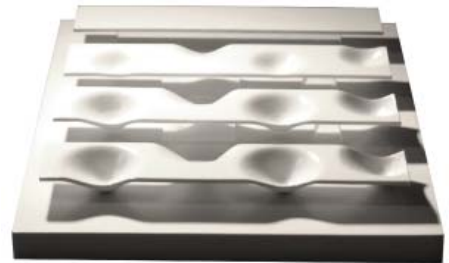
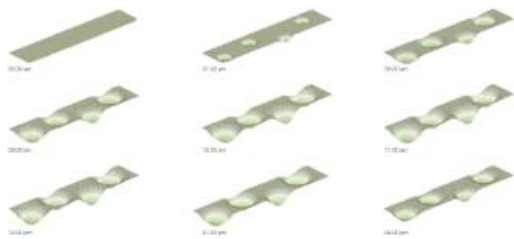
Ecoscope is a prototypical mountain cabin located in the extreme climate conditions of the California Mountains. Ecoscope is based on the principles offered by energy self-reliant systems. The building form is responsive to solar conditions, developing a surface area that maximizes exposure to collect energy and heat. Ecoscope is generated out of an algorithm that tracks solar positioning in order to intensify absorption in specific locations on the roof surface. The surface consists of ETFE thin membranes that integrate thin film photovoltaic cells to generate energy.

Fact Sheet

Client University of Berkeley
Location Sierra Nevada Mountains, California
Phase 1 (2003) | Competition Design

Design Open Source Architecture
Computation Open Source Architecture
Material Research | Open Source Architecture

Budget n/a
Size 5,000 sqf



OSA
Open Source Architecture Design Research

E: info@o-s-a.com
W: www.o-s-a.com

USA: +1-310-804-0739
CA: +1-315-877-4351
IL: +972-522-998931

