

I SOL MODUL TÅRN

Heavily inspired by Copenhagen's initiative to be carbon zero by 2020, 'Sol Modul Tårn' explores a simple and sophisticated modular system using the patented design by Cool Earth Solar. By taking their concept of the inflatable solar panel, we reformed their technology by adapting it and creating an easily assembled modular structure. It is both sustainable and applicable to multiple uses in terms of functions and people's uses. The broader aim of this system was the fact that it is small enough to be transported which cuts down material footprinting whilst reducing the cost of labor and capital costs.



Excess Number of modular panels can be transported via heavier vehicles such as trucks.



Fewer Number of modular panels can be transported by smaller methods such as cars and bikes.



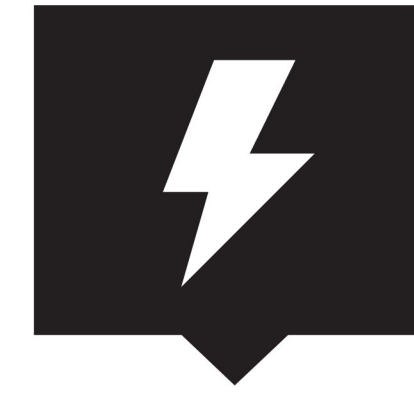
Flexible Number of modular panels can be transported by physical human contact.



SCALE
it is designed to be lightweight and small scale.
can be rolled up and transported so cuts down trans



WEATHERPROOF
weather: can withstand up to 100 mph (tornadoes, snow etc)



ENERGY
electricity: depending on sunlight source it can absorb 500 Watts to 1 kilowatt



EFFICIENCY
efficient: cuts down labor costs and capital costs



ECONOMICAL
400 times cheaper than aluminium mirrors/facade



Typology
Used as shelter or canopy

Typology
Used as a greenhouse