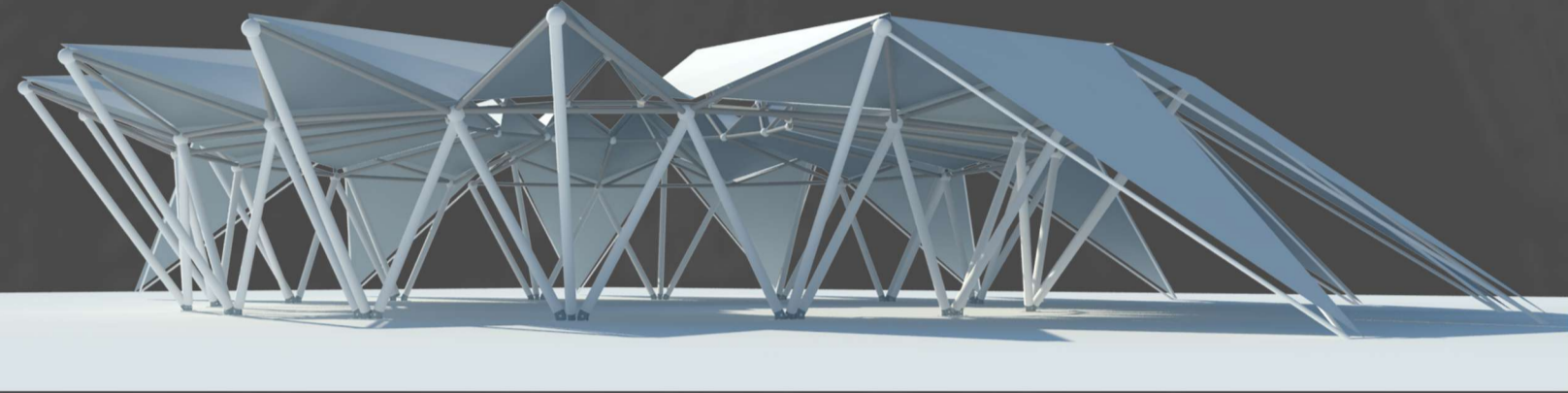


SPIDER INVASION

MOVING STRUCTURES

The proposed structure is created to conquer the spaces, adapting to them. Inside of this "creature" the magic simply happens. It can give birth to an open space where everyone is invited, or a more private enclosed one. Its purpose is to create a place where people can learn, interact and live.

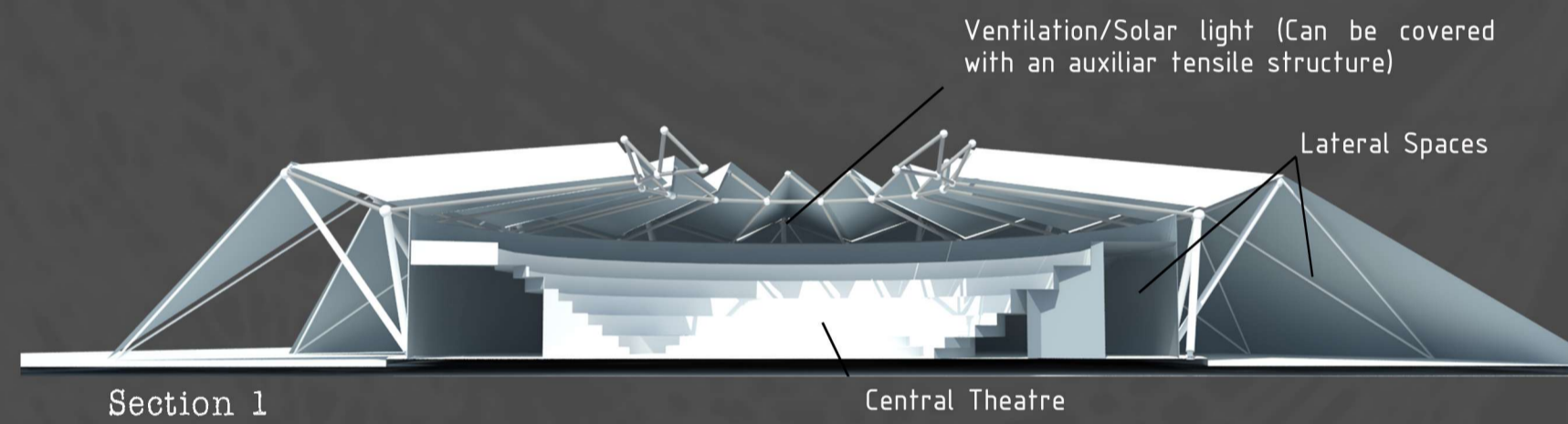


Elevation 1

FOLDING TENSILE STRUCTURE

The central space is used as a roman theatre. In this space is proposed to perform events like concerts, theatre spectacles for children and their parents, groupal lessons, conferences...

The lateral spaces can be used in a more private way, like particular classes of guitar, english lessons, cooking lessons or any other activity in which the participants aren't too many.



Ventilation/Solar light (Can be covered with an auxiliar tensile structure)

Lateral Spaces

Section 1

Central Theatre

CHARACTERISTICS

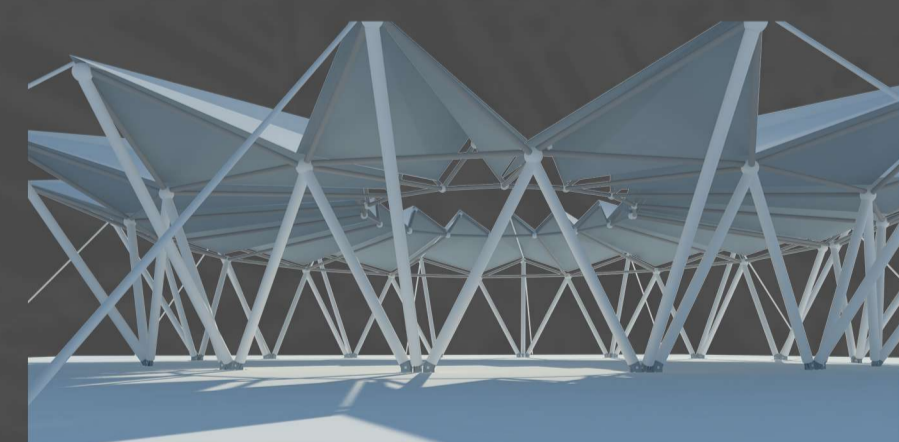
- Easily portable/ foldable in a little space
- Possibility of porosity: Being an open space, there is the possibility of add and remove spaces according to the needs of the occasion.
- Interactive games for children.
- Recycling materials, interactive trash.

A wide range of surfaces can be covered, from 100 sq metres to maximum 500 sq metres.

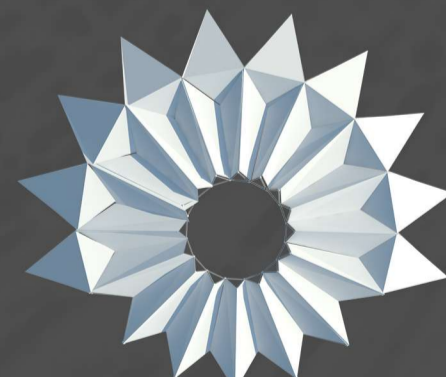
DIFFERENT TYPOLOGIES

Depending on the purpose, various typologies can be used, the spectrum is endless.

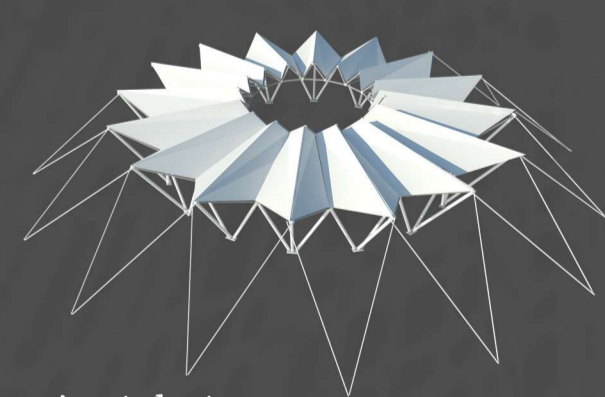
TYOLOGY 1: OPEN SPACE



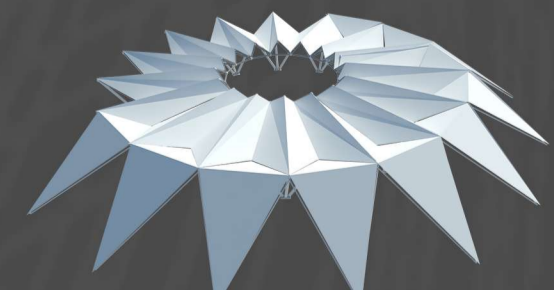
Perspective 1



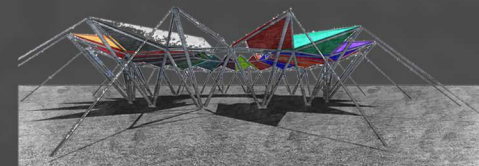
Floor Plan



Aerial view



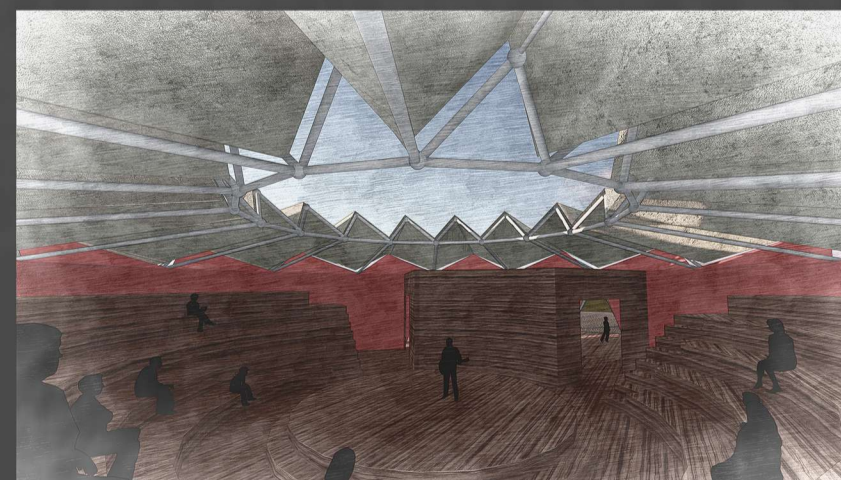
Aerial View 2



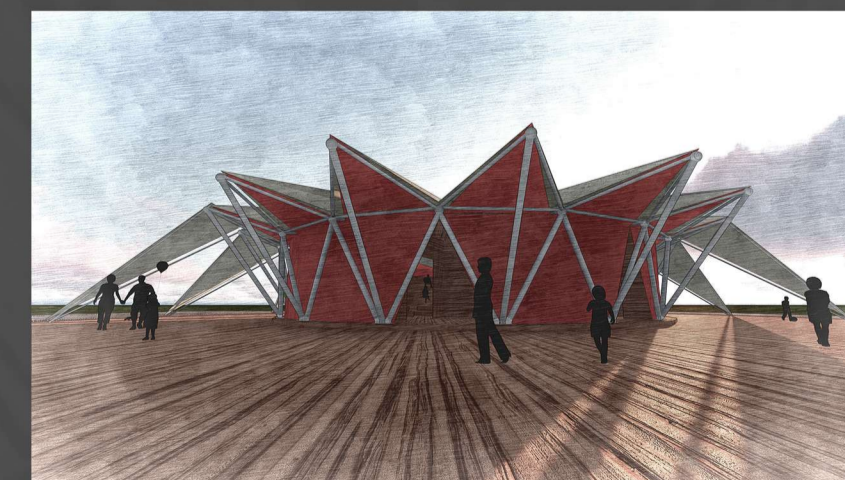
Perspective 2

Elevation 2

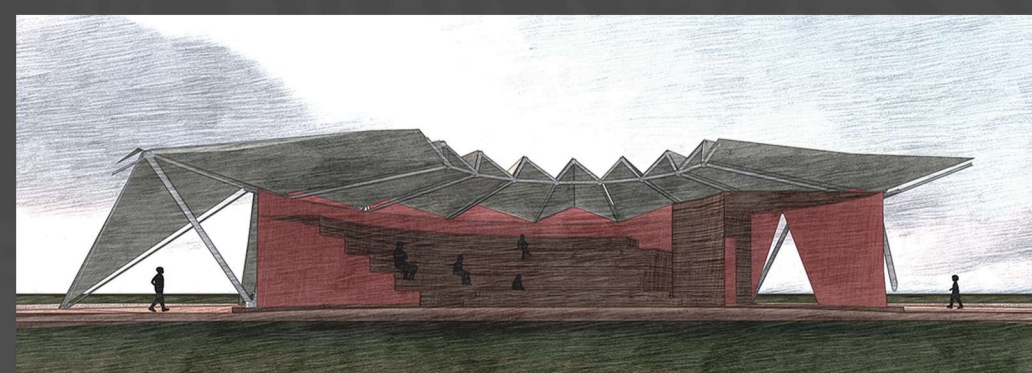
TYOLOGY 2: ENCLOSED SPACE



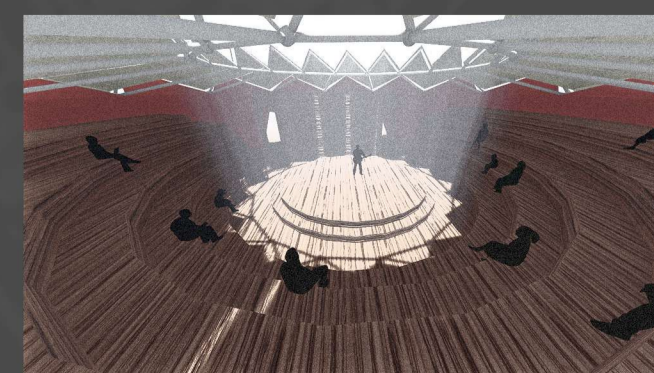
Internal perspective



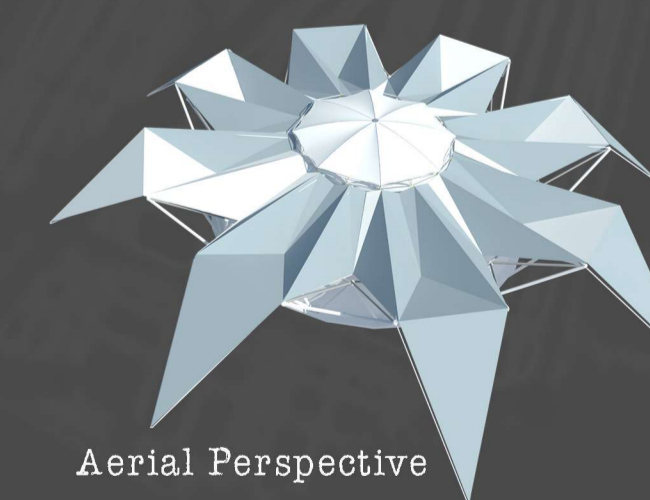
External perspective



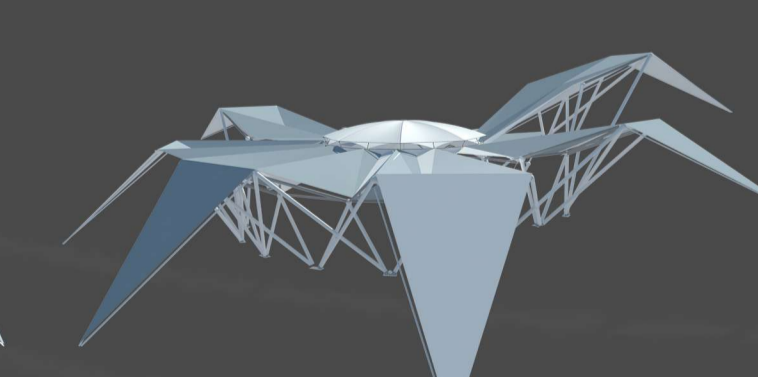
Section 2



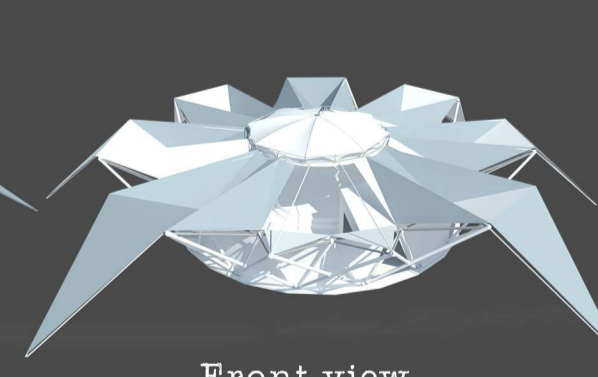
Interior dome lighting



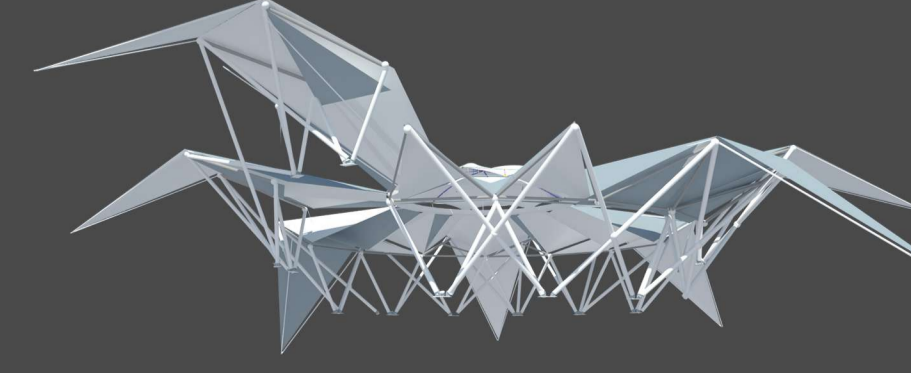
Aerial Perspective



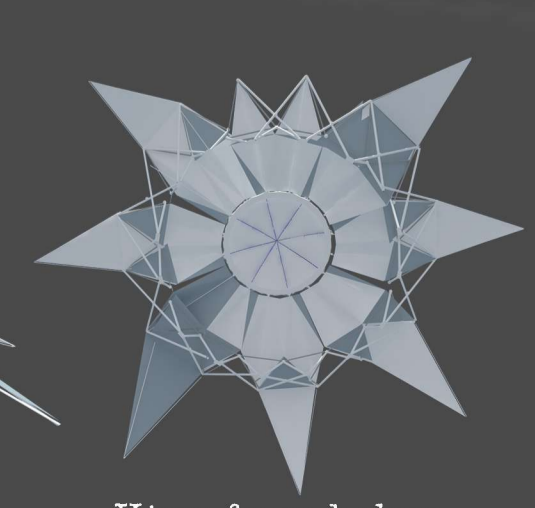
Walking spider



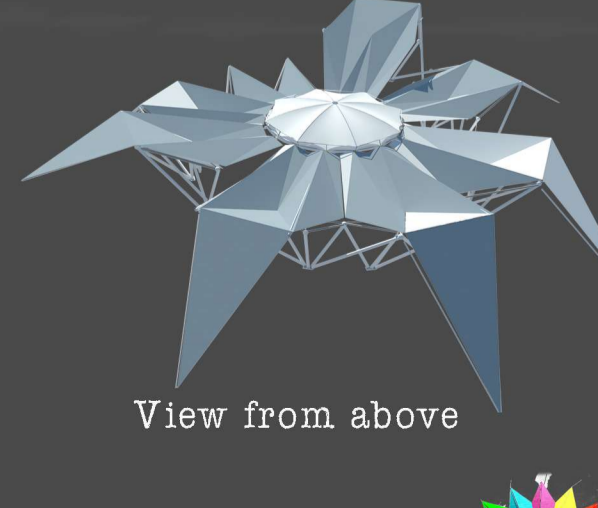
Front view



Adapting to the irregular soil



View from below



View from above



BEIJING



BERLIN



NEW YORK'S INVASION



MADRID



ISTANBUL

TENSION RING

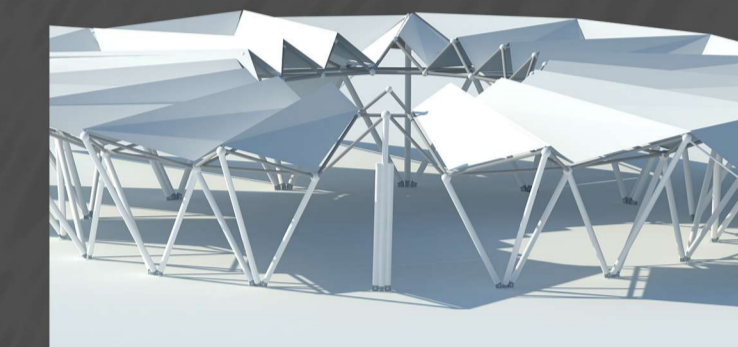
The behaviour of the structure is based on the trusses produced by the tensions on the wires, which allows it to support higher loads than with a normal structure that only works on compression.

This functioning can be compared with the mechanism of a drawbridge, or the VELARIUM, in the roman coliseum.

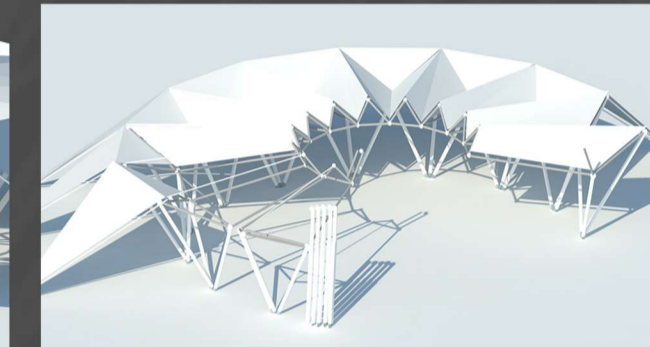
The top of the dome is made of steel, which creates a natural crossed ventilation. (Venturi effect)

FOLDABILITY

Easy transport and assembly due it can be folded.



Phase 1



Phase 2

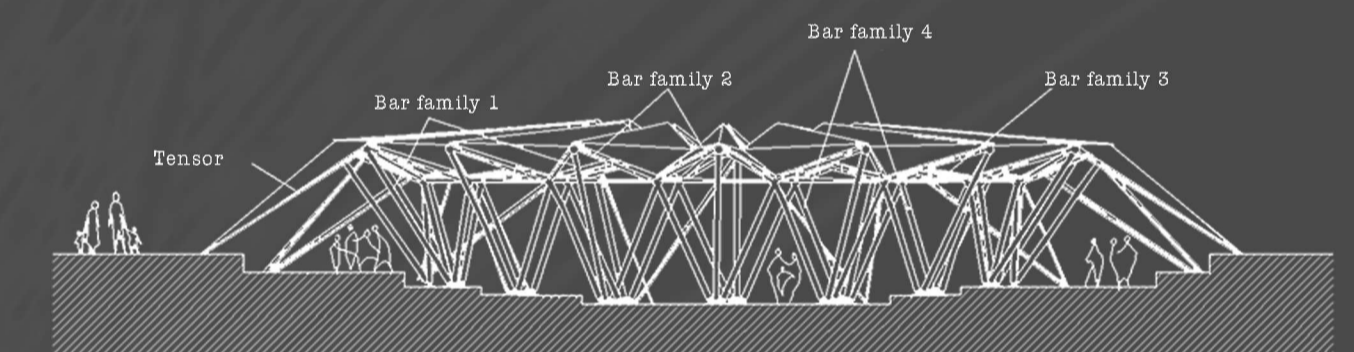
ANCHORAGES AND JUNCTIONS

Multiple solutions can be used:



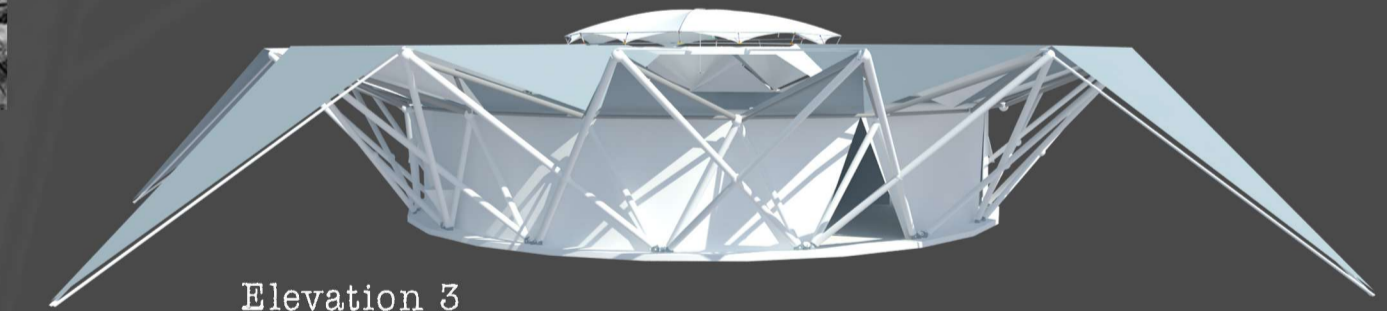
Detail 1

Detail 2

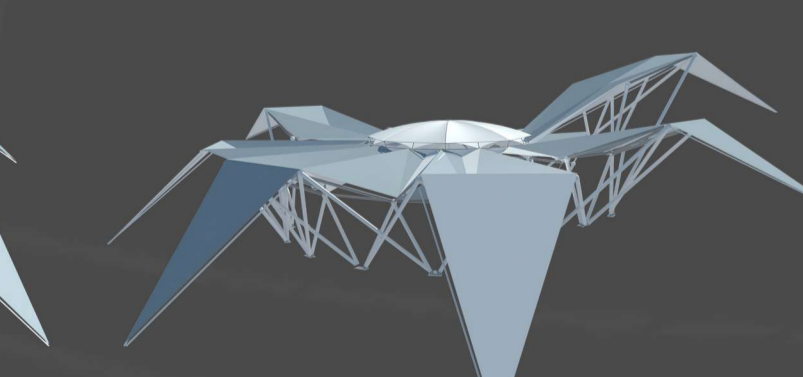


Section: The structure can adapt to the slopes of the ground making its metallic beams shorter/ longer

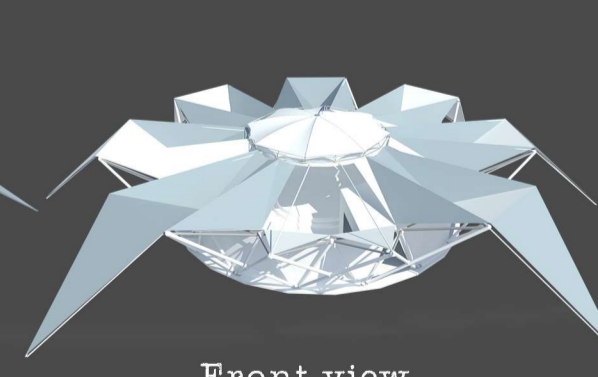
TYOLOGY 3: TENSILE DOME



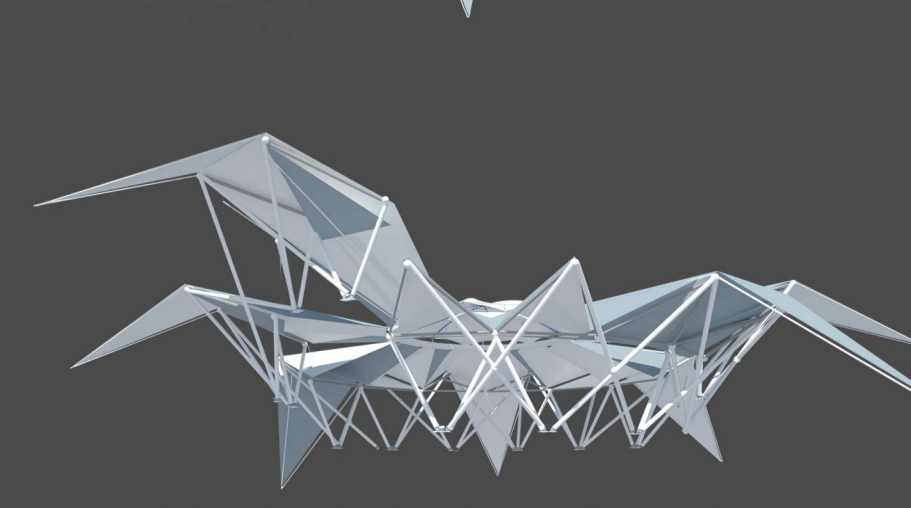
Elevation 3



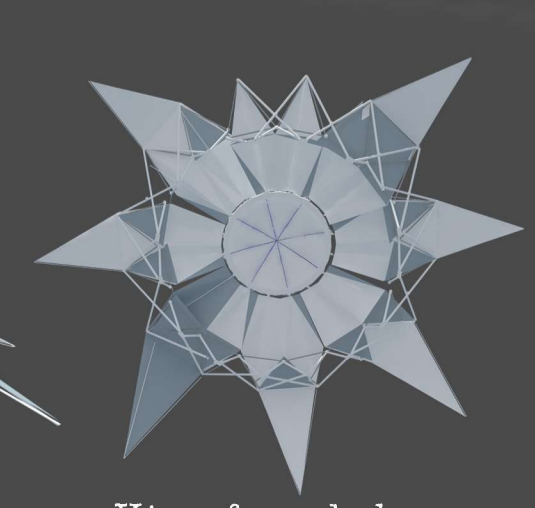
Walking spider



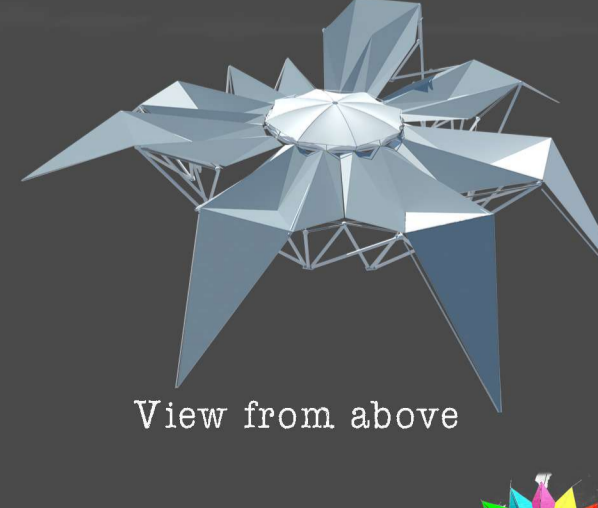
Front view



Adapting to the irregular soil



View from below



View from above

