

# Cyber-physical space

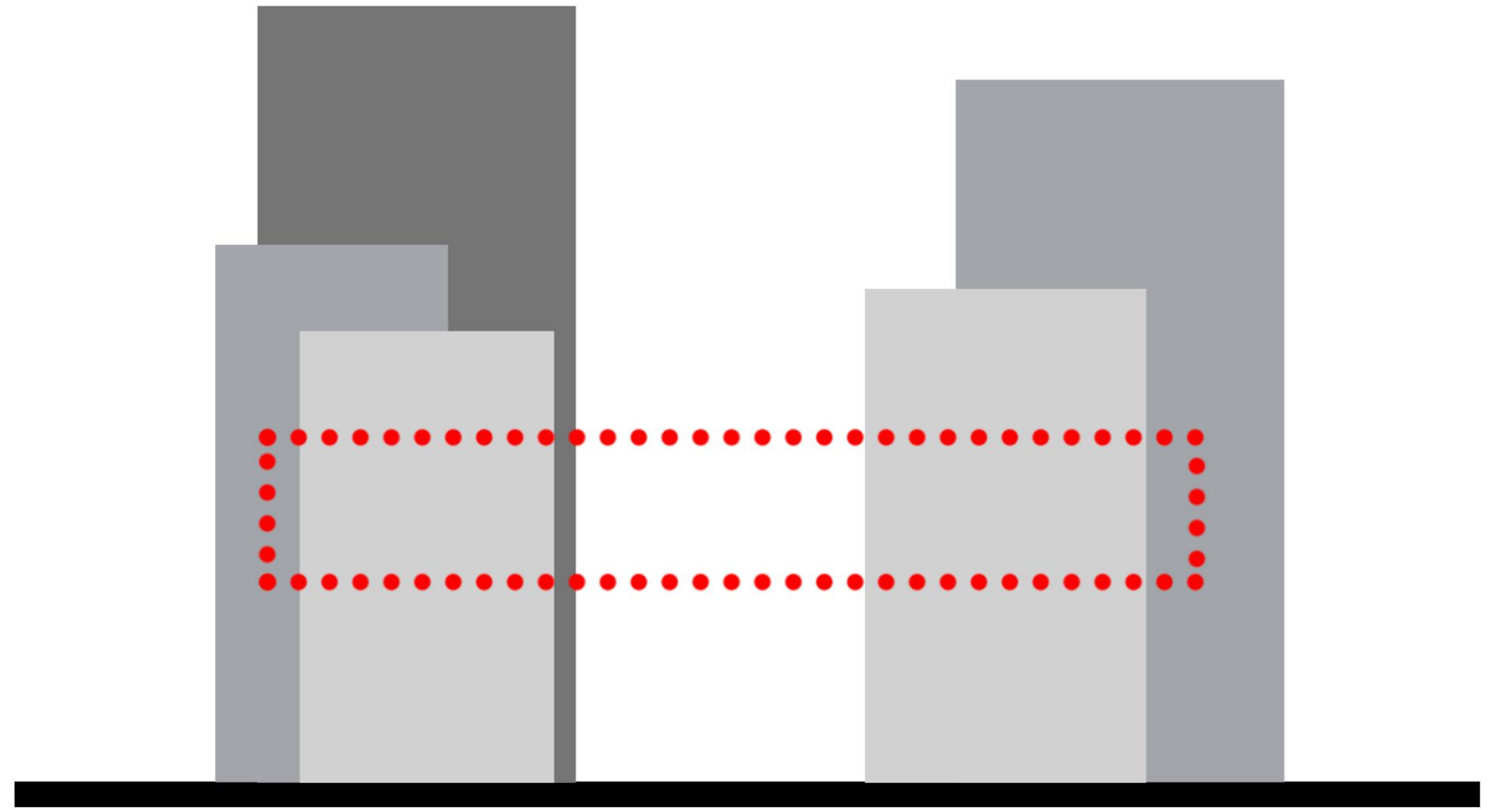
Interim presentation

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Leander Bakker  
Erik Bakker

**GROUP 3**

# Vision

Creating a (sub) level within the existing city that connects people and their buildings. By creating an interactive playground.



Sliding



Climbing



Relaxing



Walking

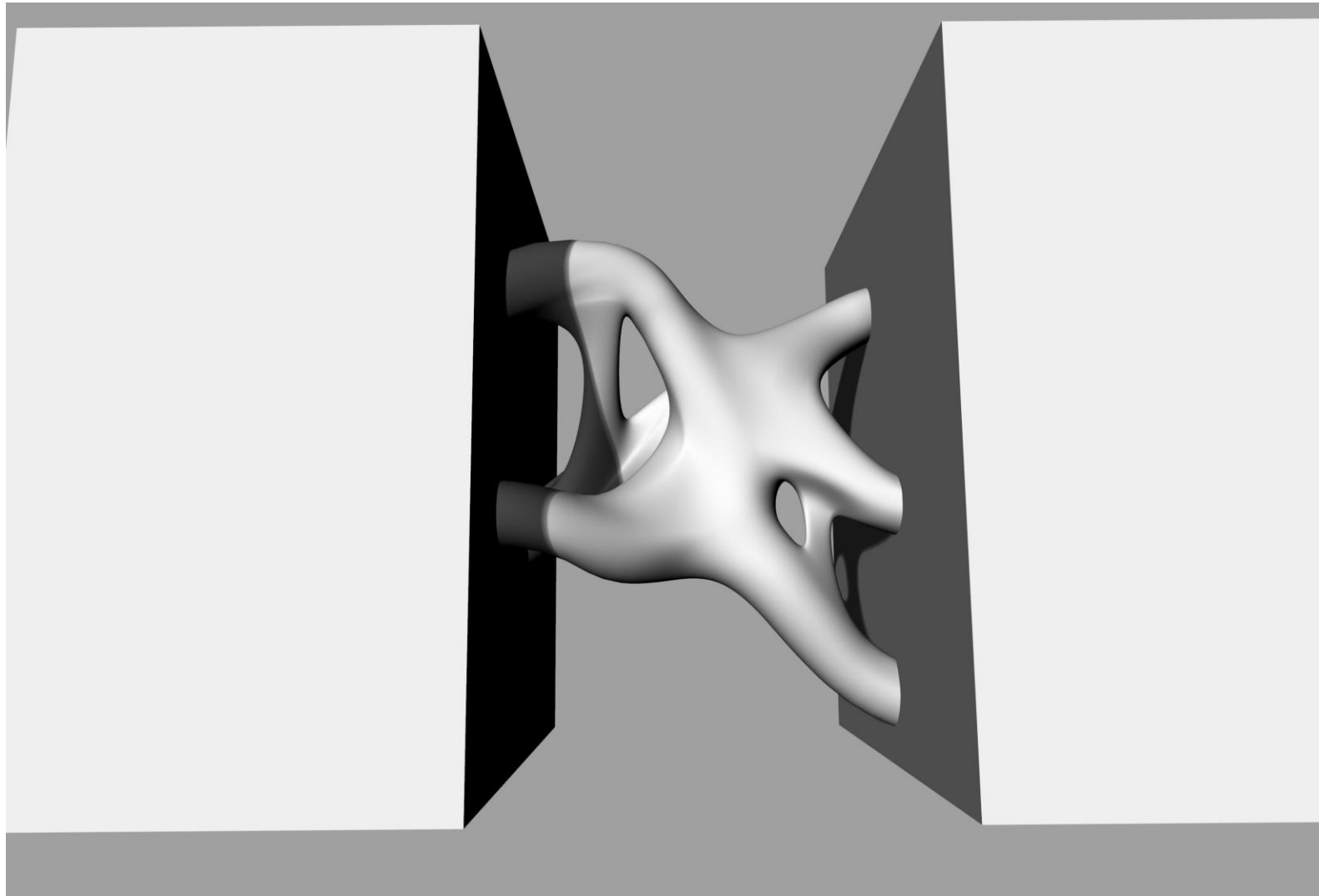


Running

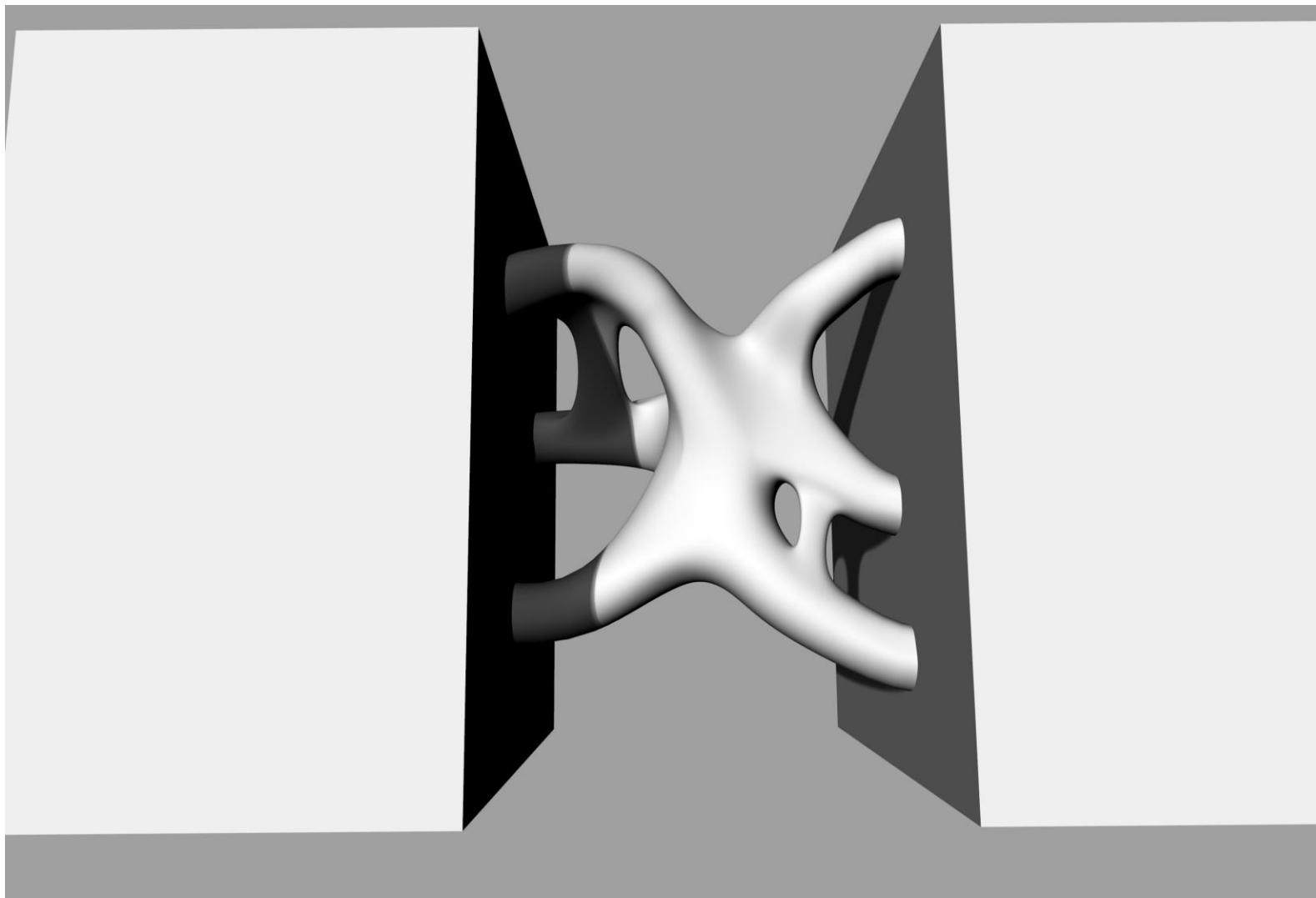


Jumping

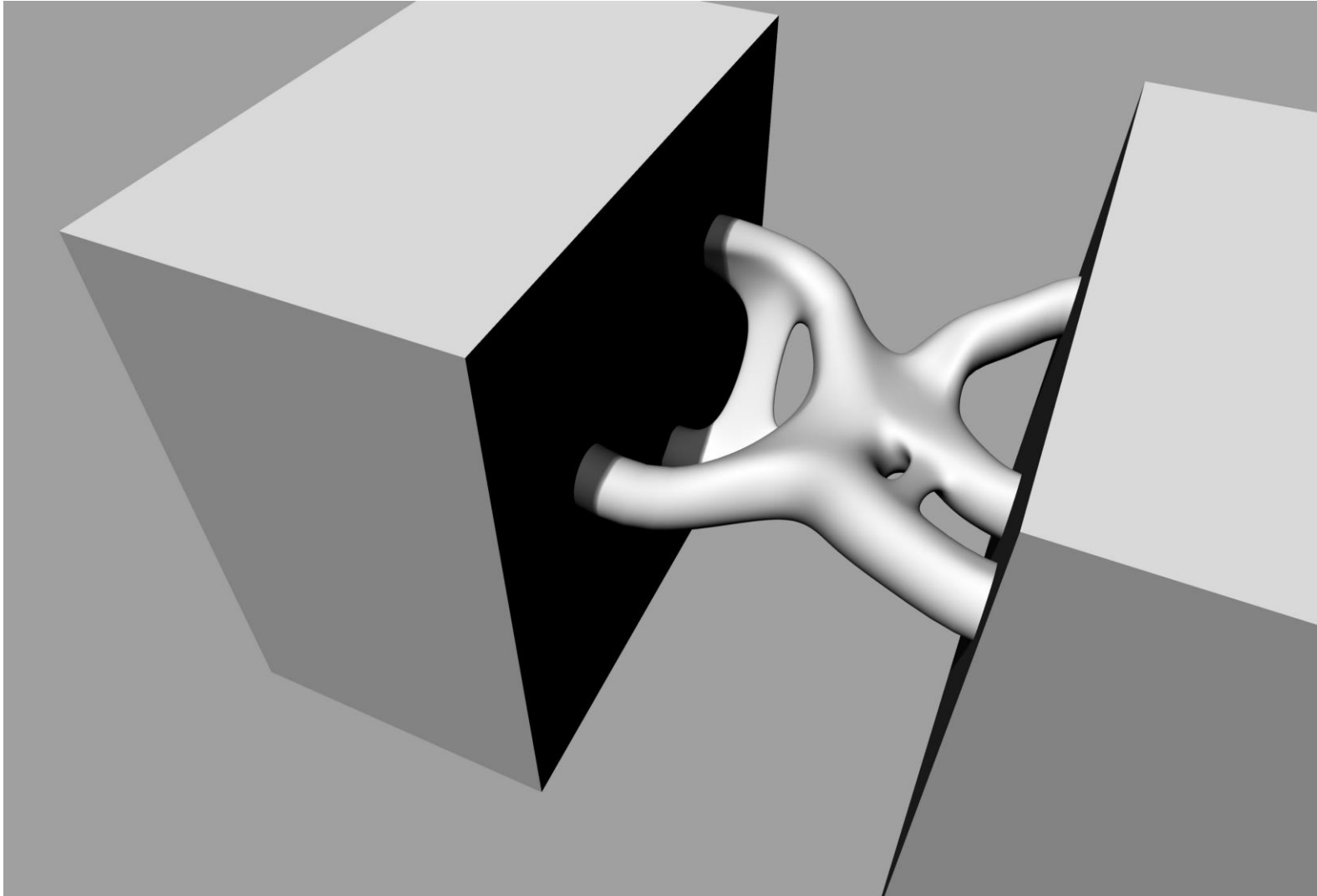
# Initial sketches



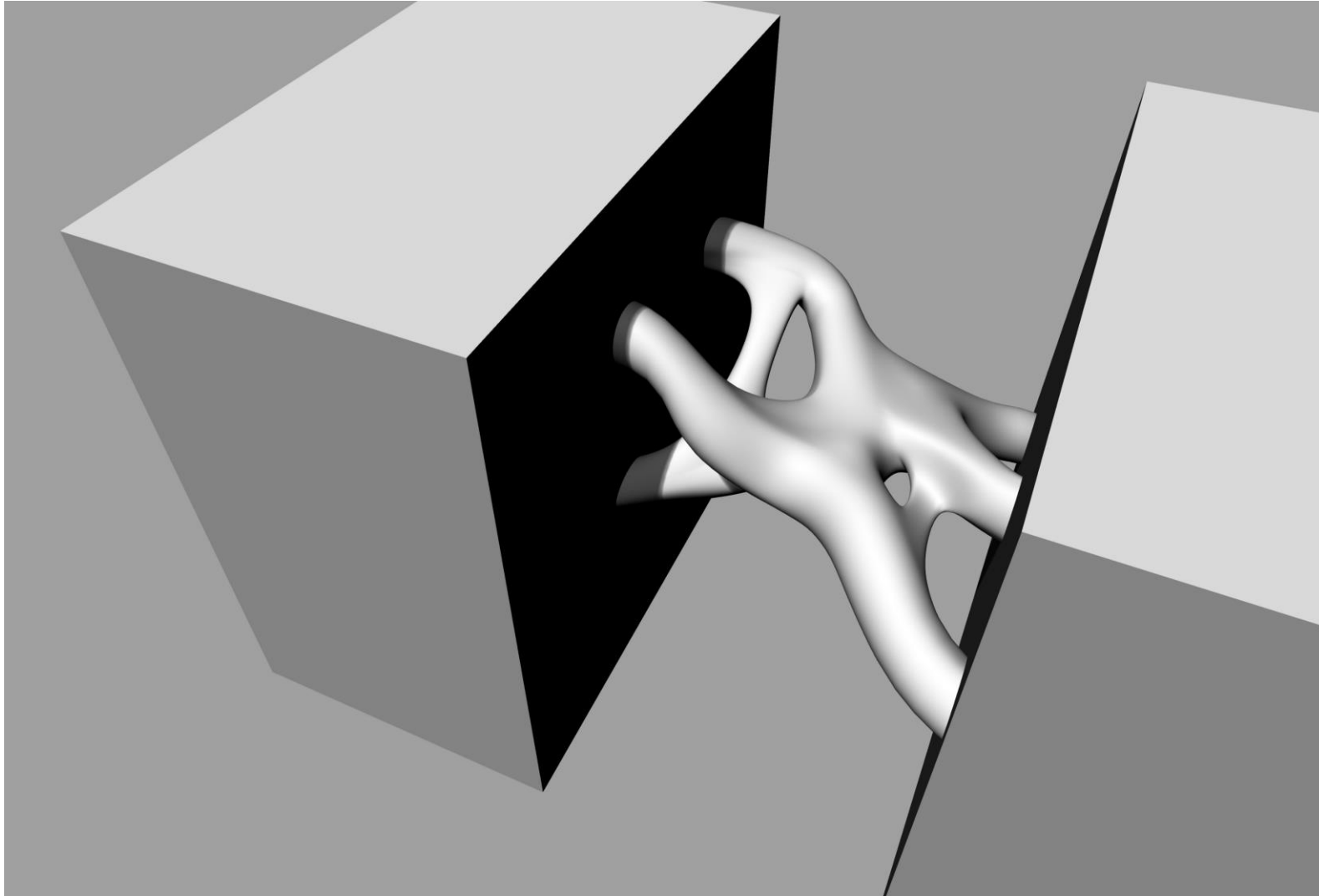
# Initial sketches



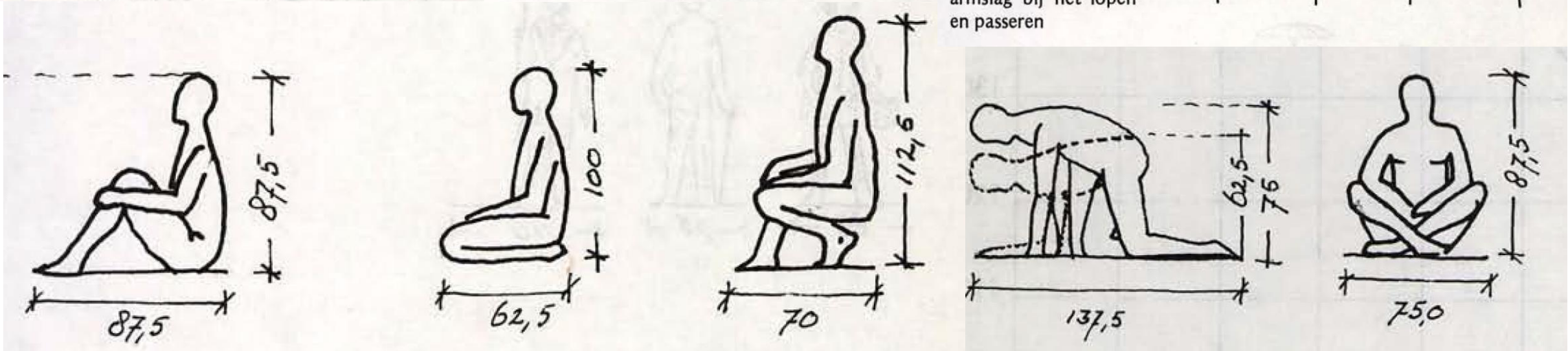
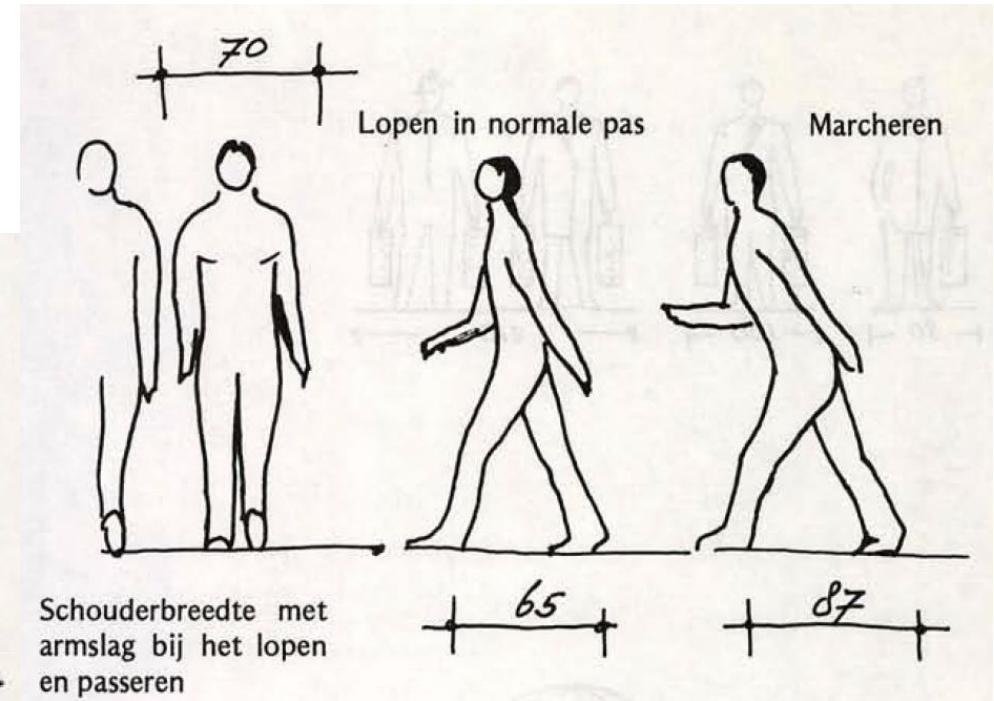
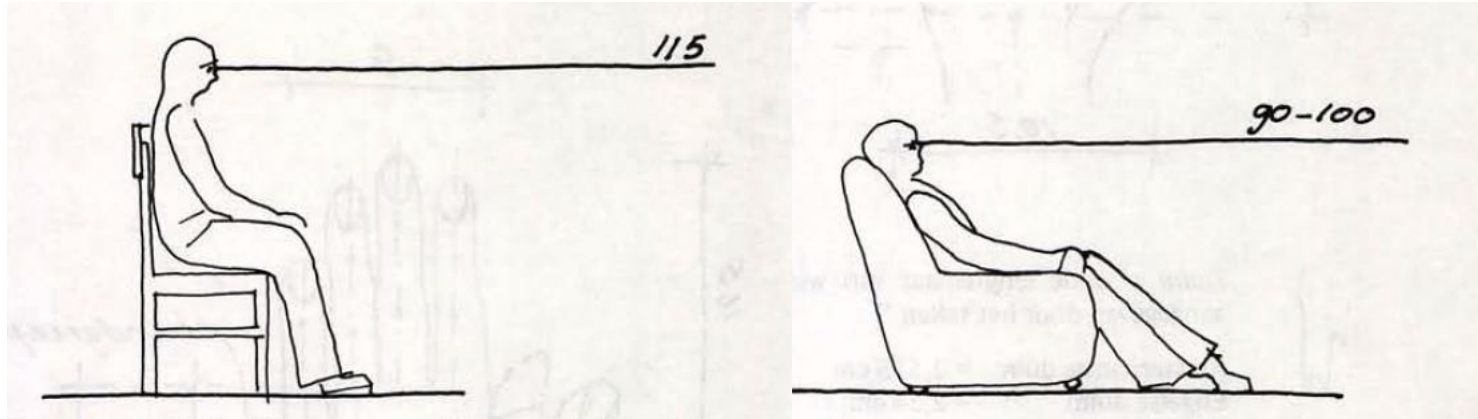
# Initial sketches



# Initial sketches



# Dimensions



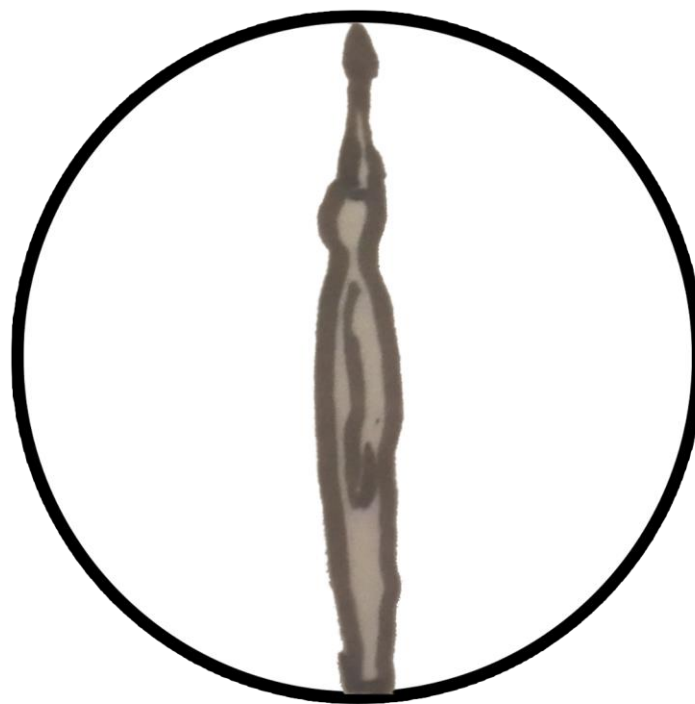
# Dimensions

Ø 80cm



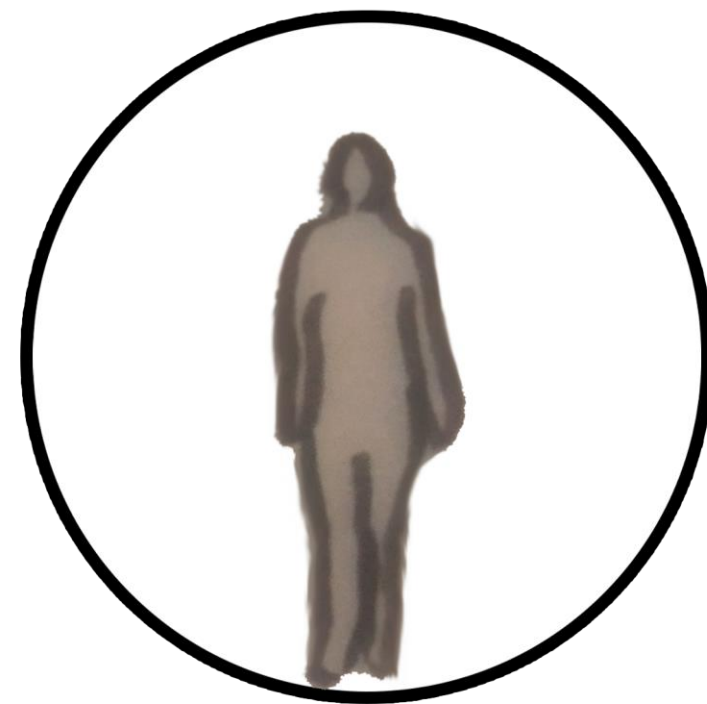
180 cm

180 cm



250 cm

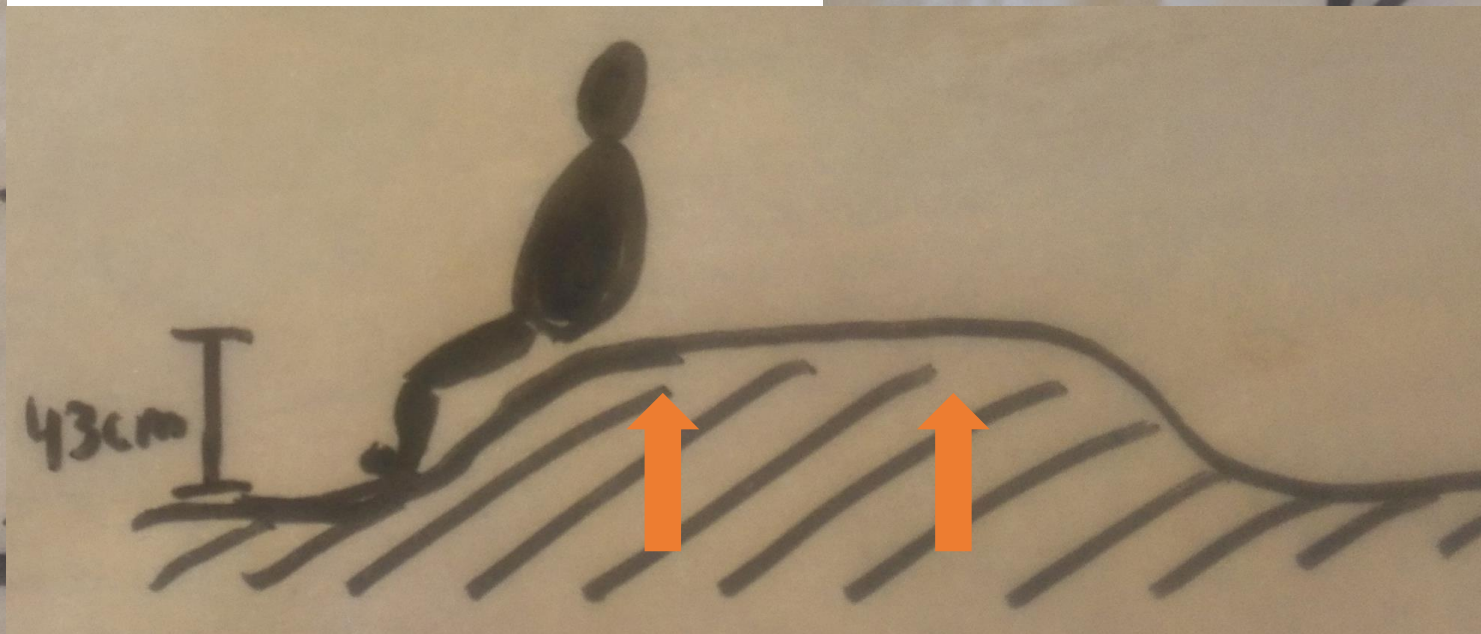
30 cm



70 cm



# Reconfiguration - Landscape

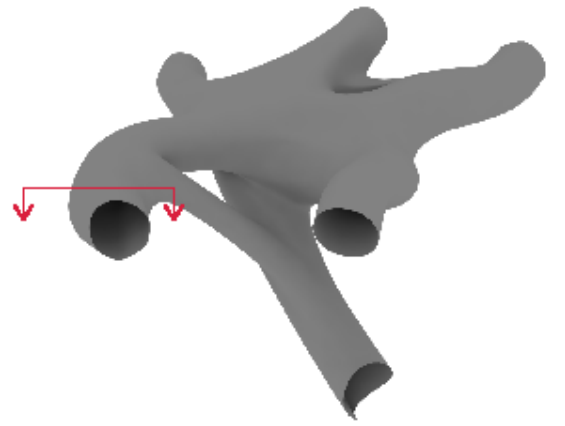




PRESSURE OF THE BODY ON THE INFLATABLE LAYER



BLOW UP CHAIRS APPEAR



# Materialization

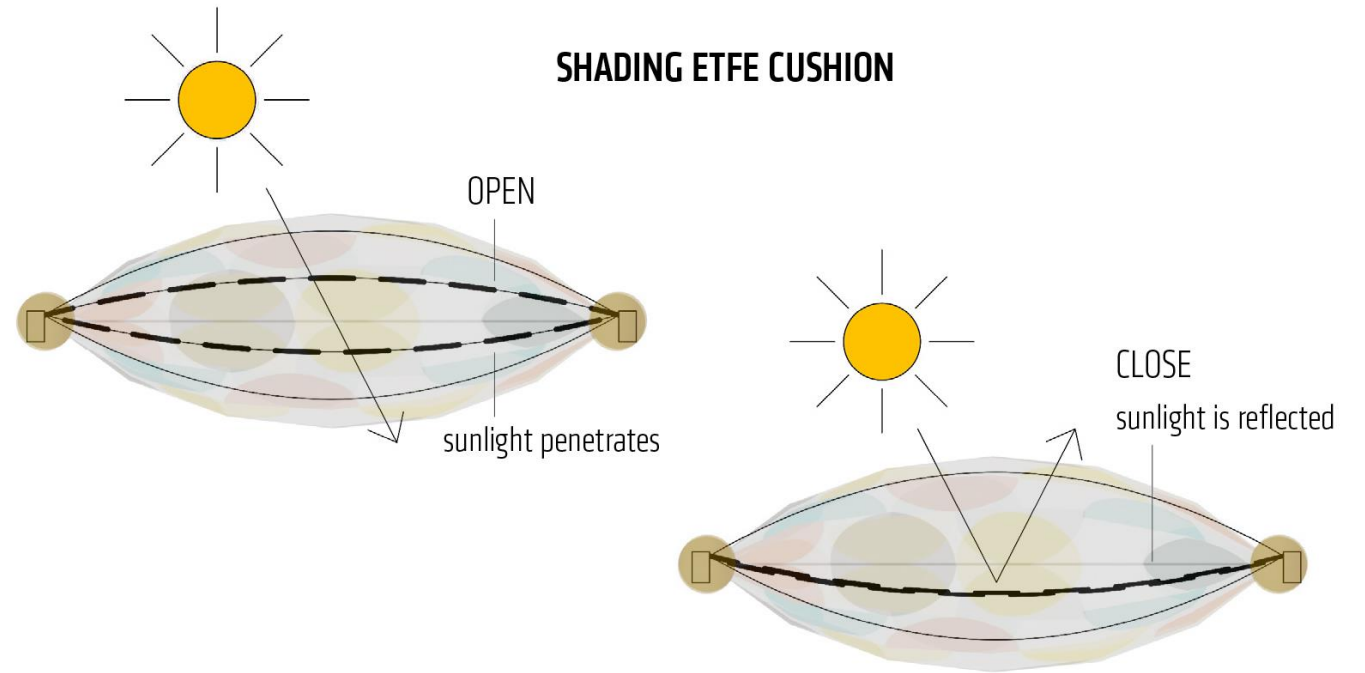


MARC FORNES / THEVERYMANY  
UNDER MAGNITUDE

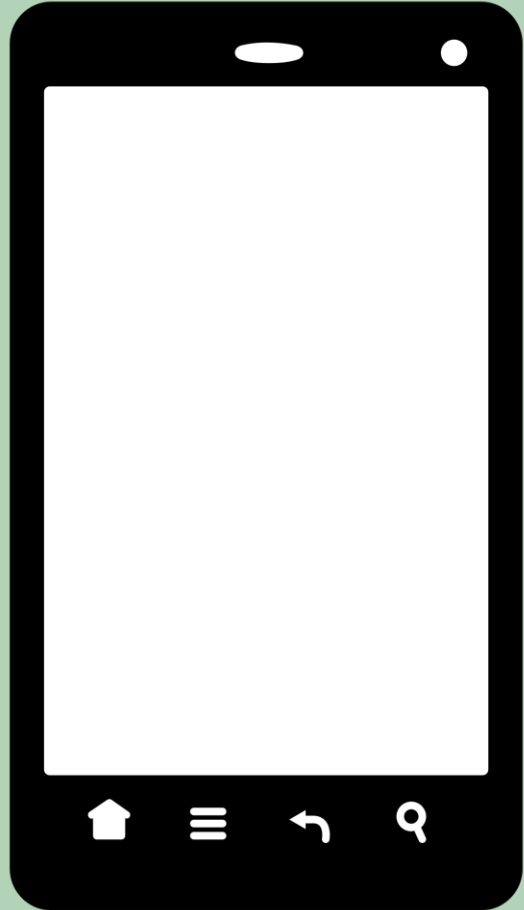
ORANGE COUNTY CONVENTION CENTER  
- ORLANDO, FLORIDA (2016)

TH1 -VILLIEN / FERNANDEZ

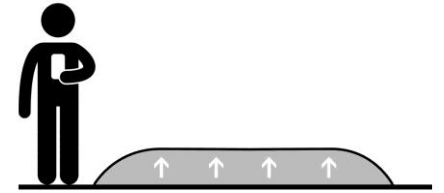
PRIVATE HOUSE IN LYON, FRANCE 2009



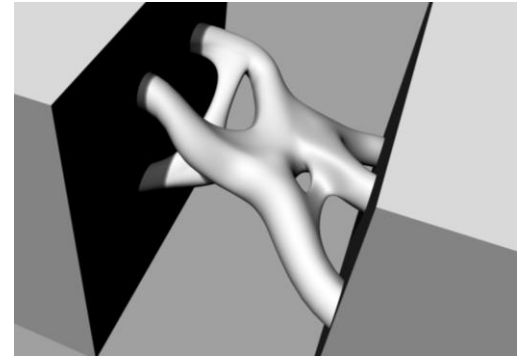
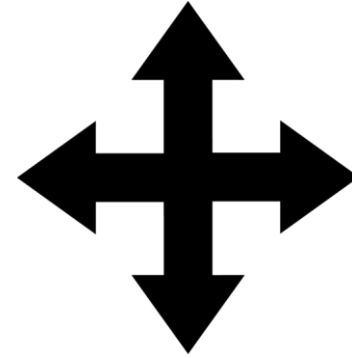
# Interactivity



Adjustable furniture



Reconfiguration arm



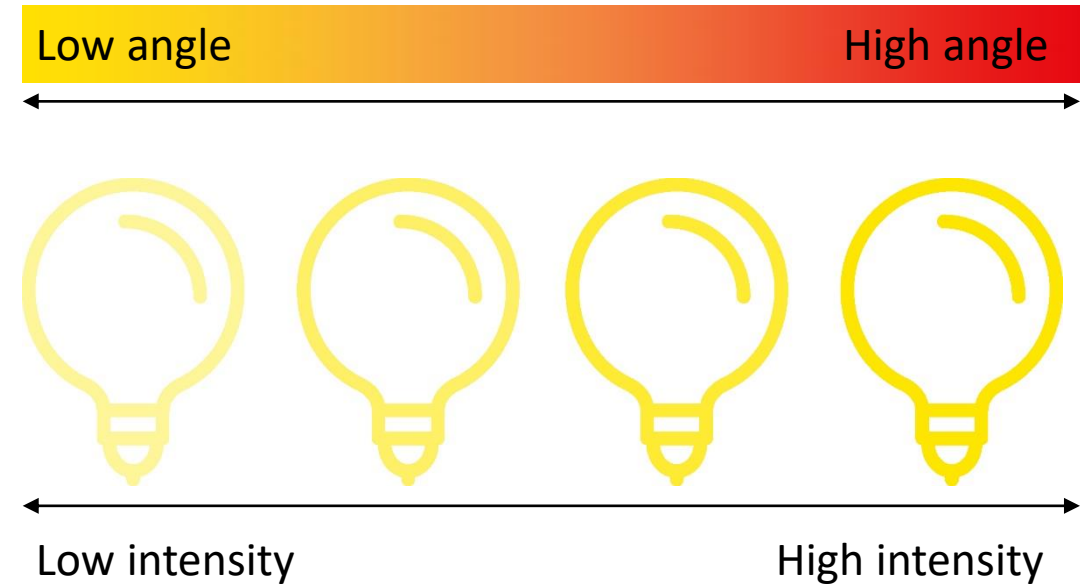
Game mode

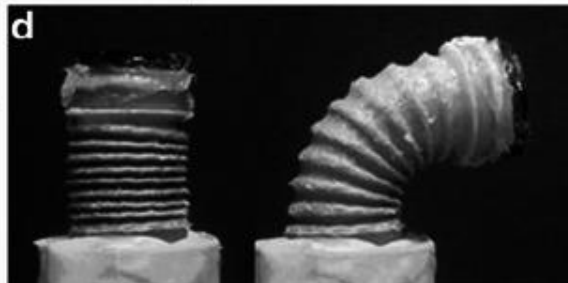
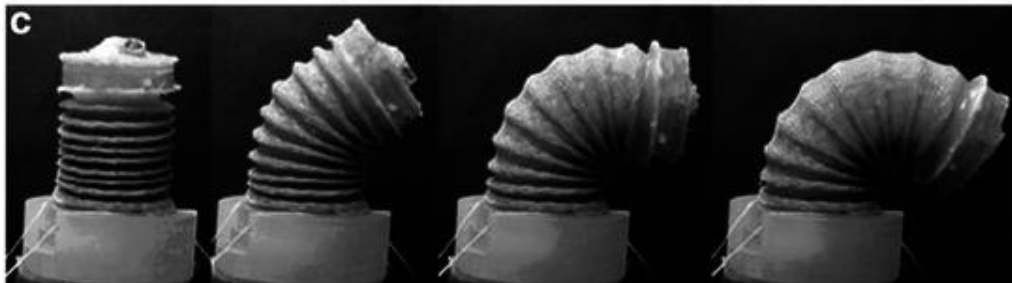
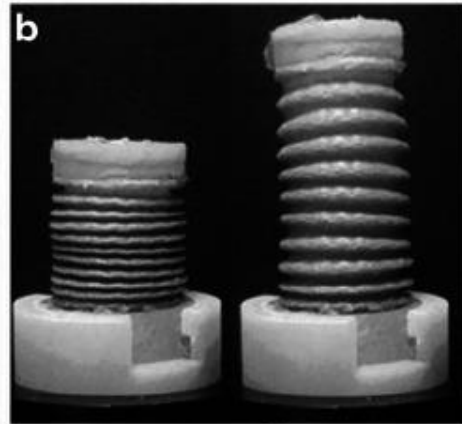


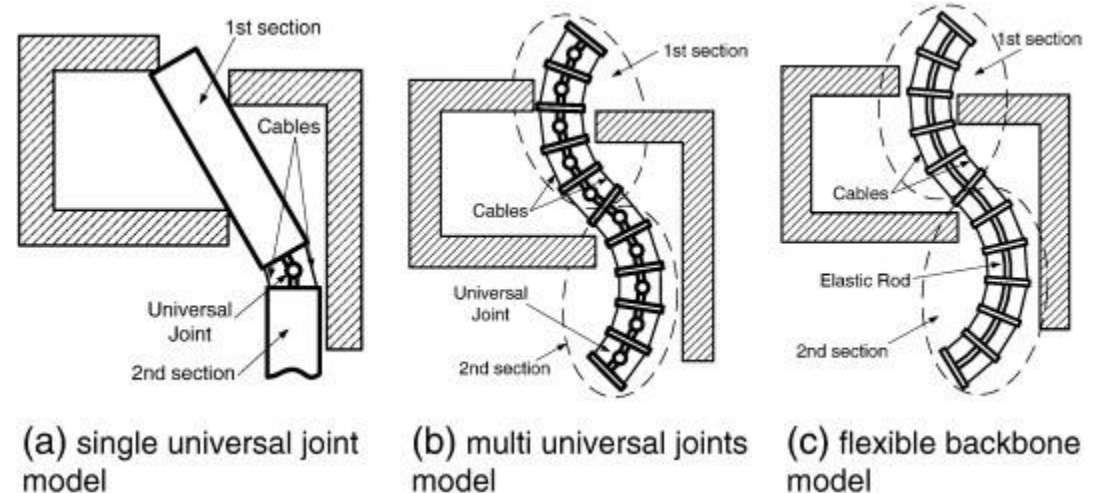
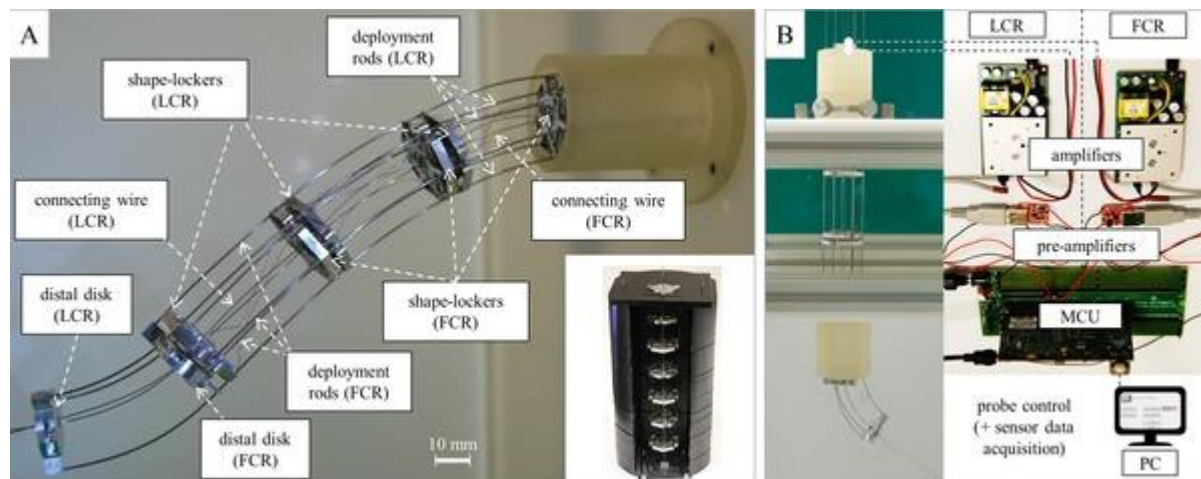
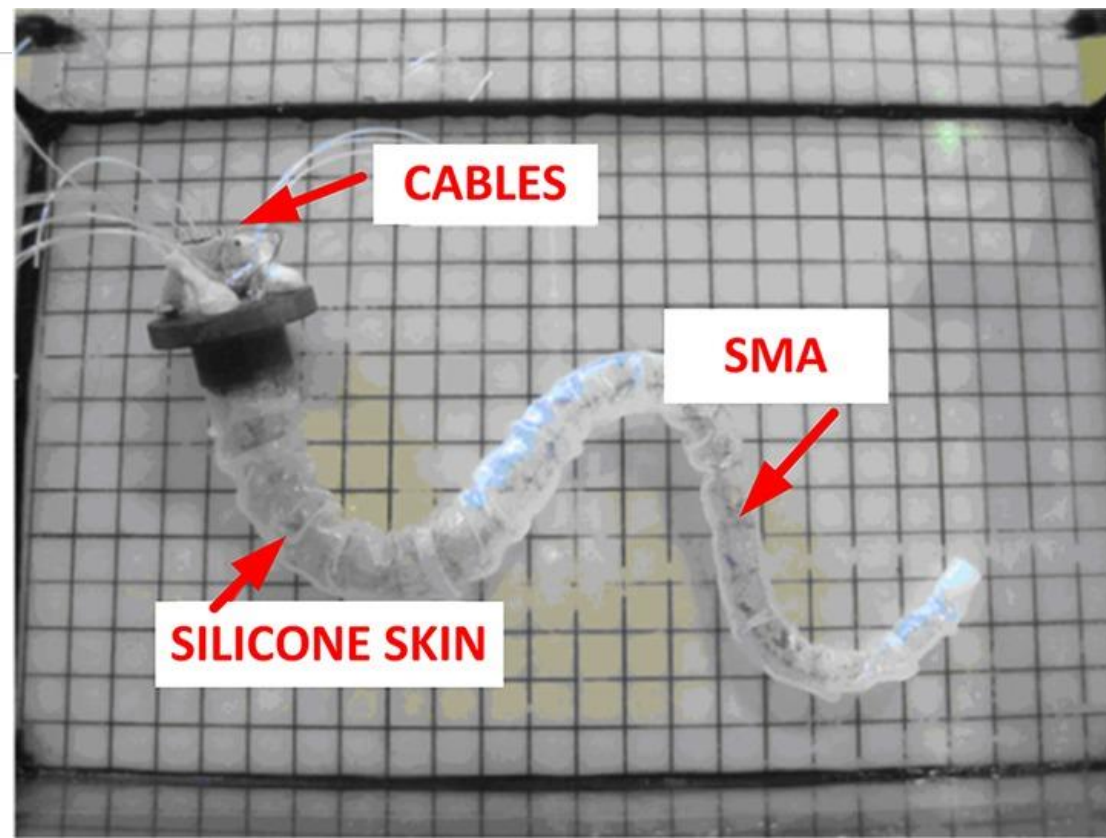
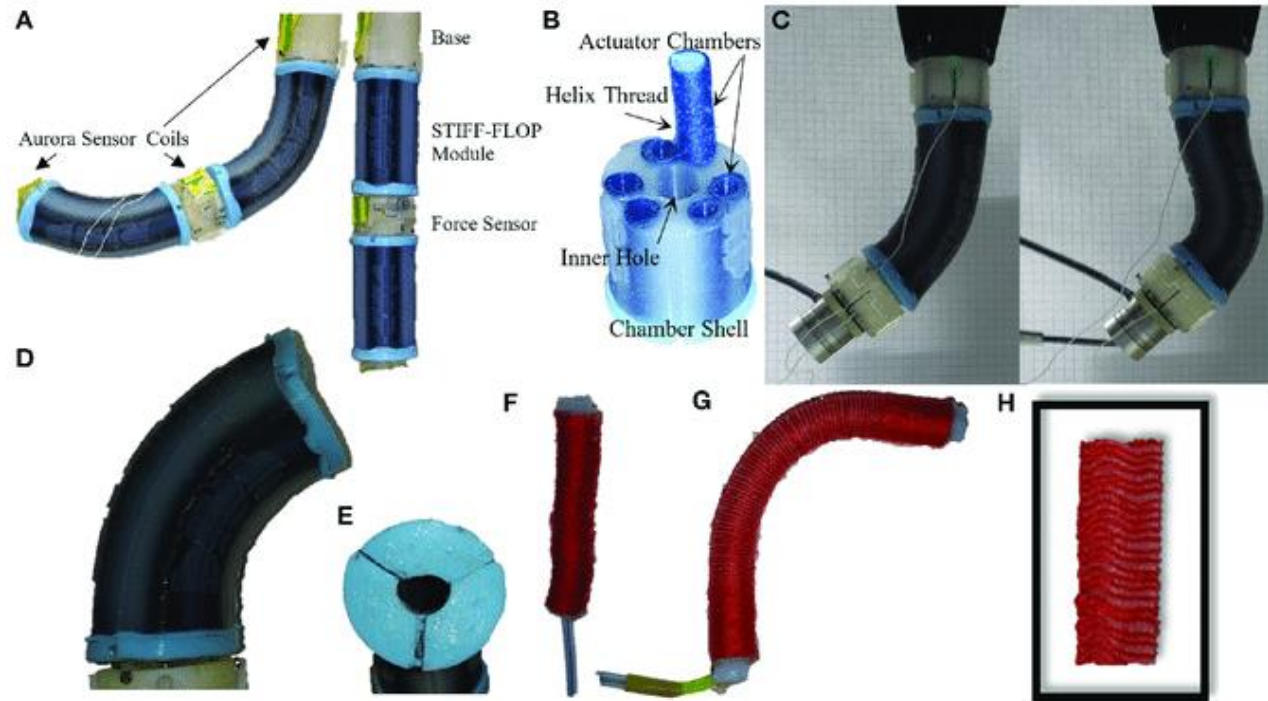
# Interactivity

## Coloration

- The angle determines the colour
- The usage determines the brightness







# Conclusion

- Create a playground for certain activities
- Steel structure and a soft interior
- Some tubes are reconfigurable
- Landscape is flexible
- Furniture is adjustable
- Control by users
- Sensors robotically
- Feedback by LED light

