

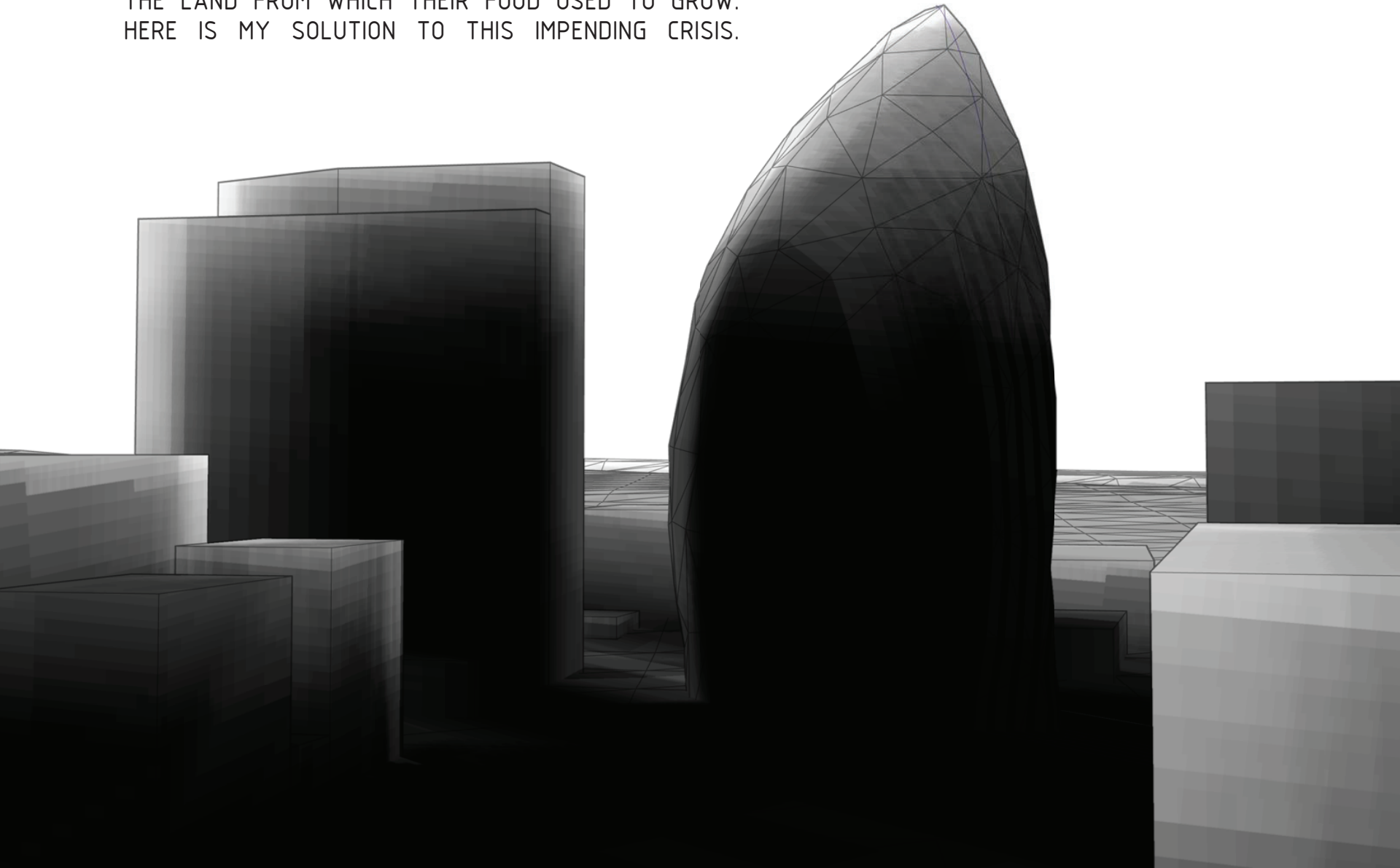
# Vertical Farming

A Grow-cery concept by  
Jarrett Mork



A VERTICAL FARM IS MORE THAN JUST A GREENHOUSE...

A VERTICAL FARM IS THE SOLUTION TO A PROBLEM THAT HAS NOT YET ARRIVED. THE EARTH'S POPULATION IS RAPIDLY EXPANDING AND THEY ARE MOVING ONTO THE LAND FROM WHICH THEIR FOOD USED TO GROW. HERE IS MY SOLUTION TO THIS IMPENDING CRISIS.





# GOALS

- I TO PROVIDE A NEW WAY OF THINKING FOR THE AGRICULTURAL WORLD.
- II TO SUPPLY ENOUGH ENERGY TO POWER THE GROWING FACILITIES PASSIVELY.
- III TO PROVIDE PORTLAND WITH A FEASIBLE EXAMPLE OF SUSTAINABLE LIVING.
- IV TO ENCOURAGE LESS VEHICULAR USE.



## HYDROPONICS

10% OF WATER REQUIRED FOR TRADITIONAL FARMING WATER  
REQUIRED

BETTER DISTRIBUTION OF NUTRIENTS.

NO CHEMICALS OR PRESERVATIVES

GROWN ON-SITE YEAR-ROUND

LOW MAINTENANCE



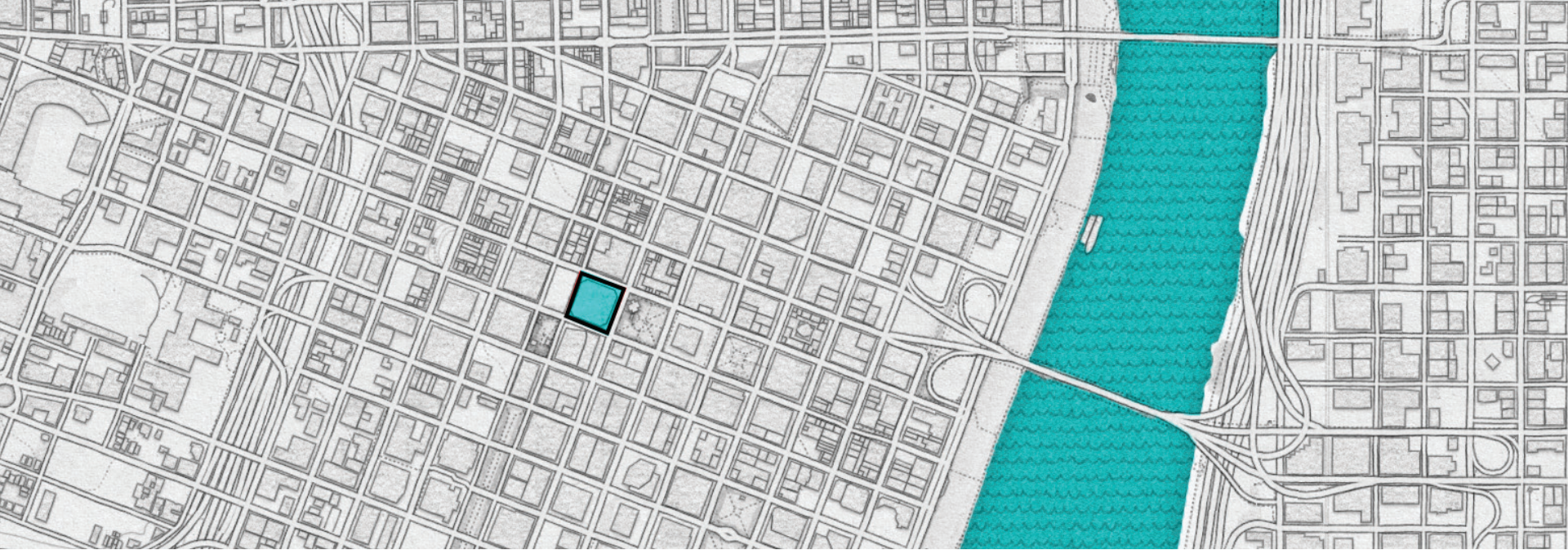
LED LIGHTING

FULL SPECTRUM OF LIGHT  
UV // INFRARED

LOW ENERGY

LOW MAINTENANCE

MULTI-VERSATILE



LOCATION

PORTLAND, OREGON, USA

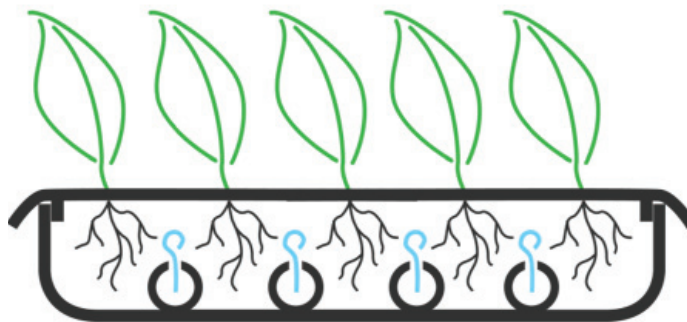
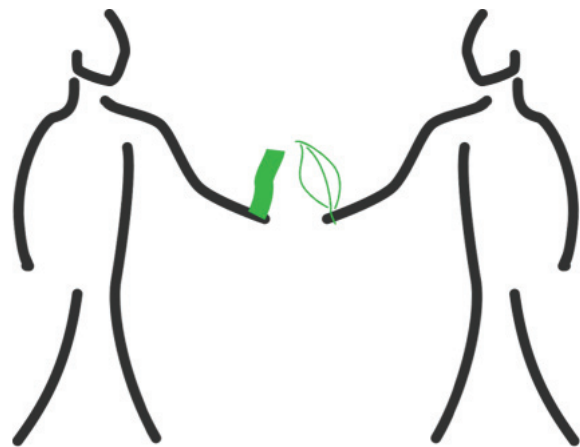
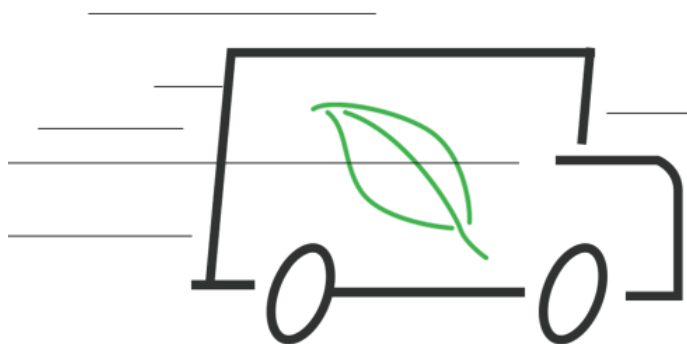
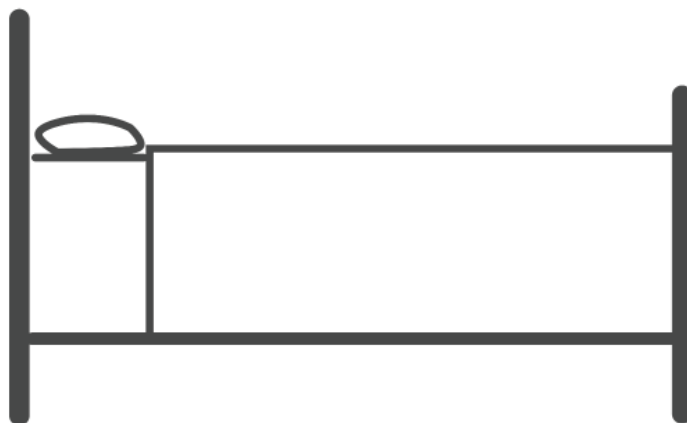
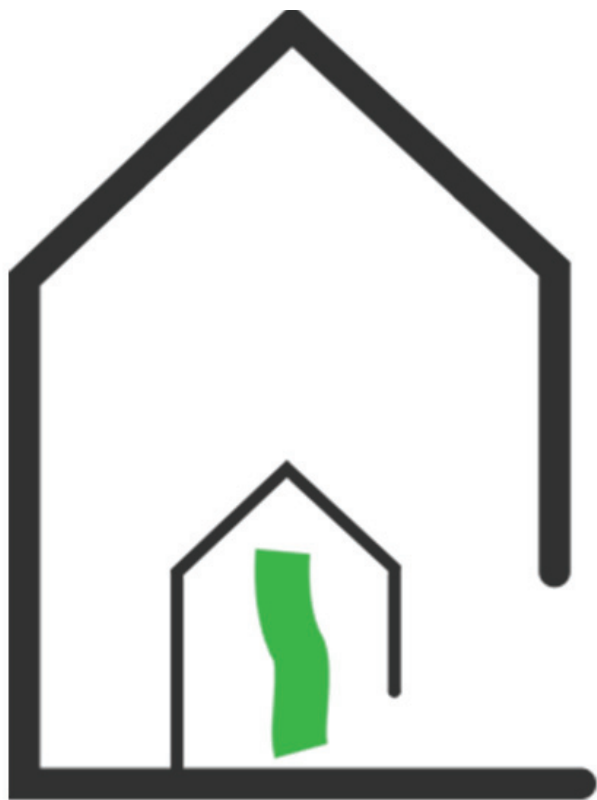
SITE

701 SW BROADWAY AVE  
62,500 SQ. FT. BASE  
PIONEER COURTHOUSE DISTRICT  
+2,300 SUNLIGHT HRS/YEAR

AMENITIES

PIONEER COURTHOUSE SQUARE  
TOURIST INFO, WEEKLY FARMERS MARKET,  
PUBLIC SPACE  
PUBLIC TRANSIT SURROUNDS SITE  
CLOSE TO WATER SOURCE  
HIGH DENSITY RESIDENTIAL  
  
NUMEROUS SURROUNDING RESTAURANTS



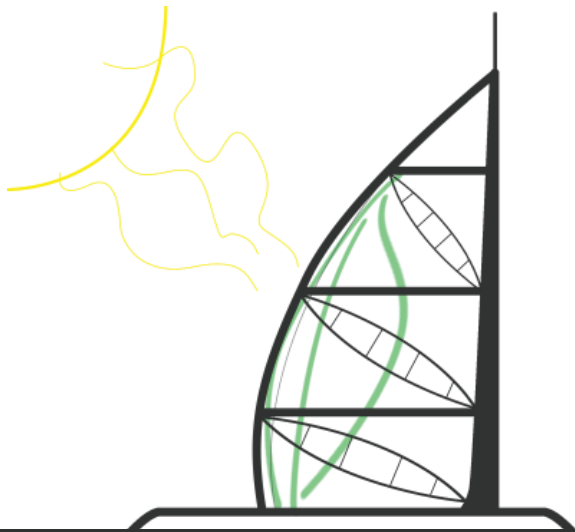




# WHERE CAN WE LEARN FROM?

BURJ AL ARAB, DUBAI, UAE

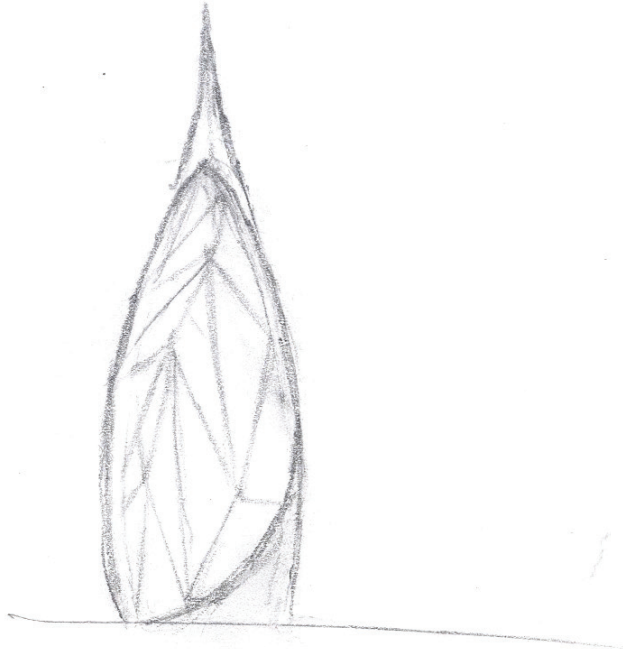
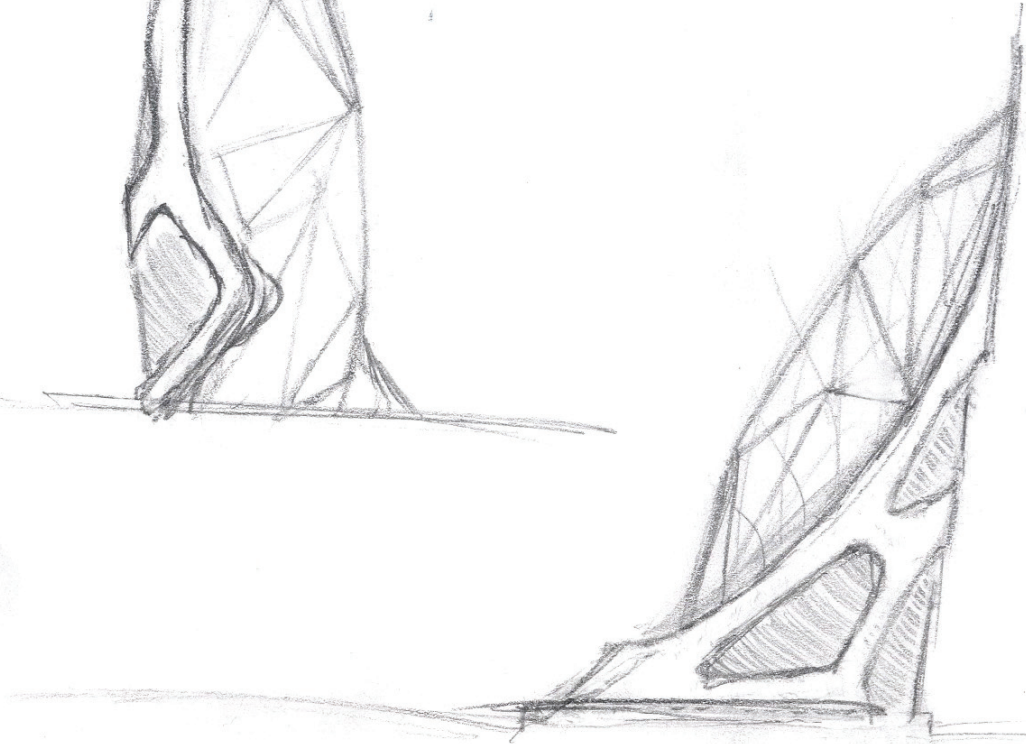
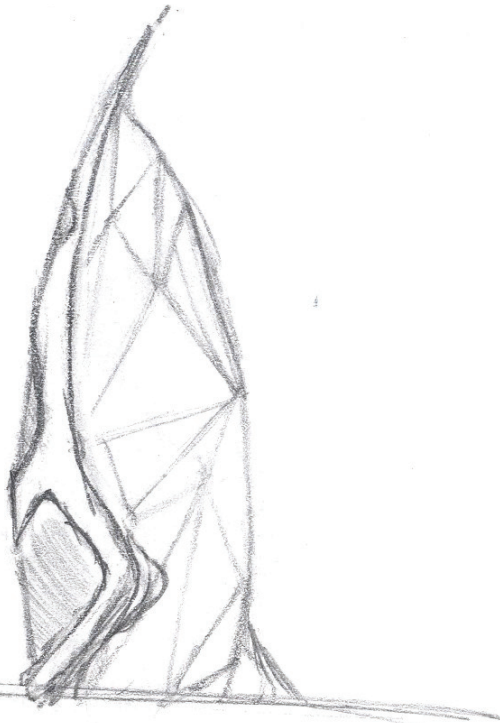
PLANTAGON, CONCEPT

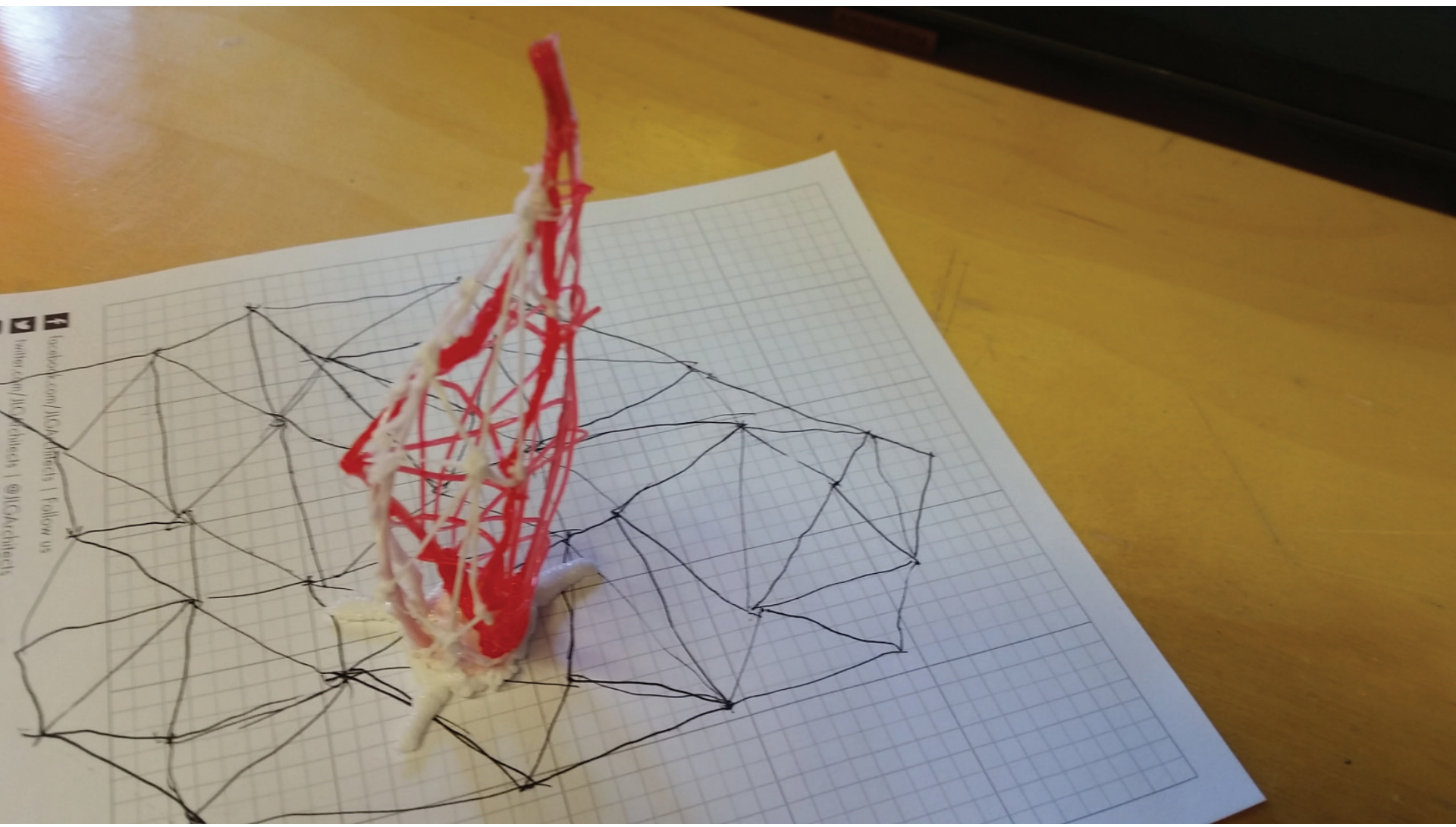


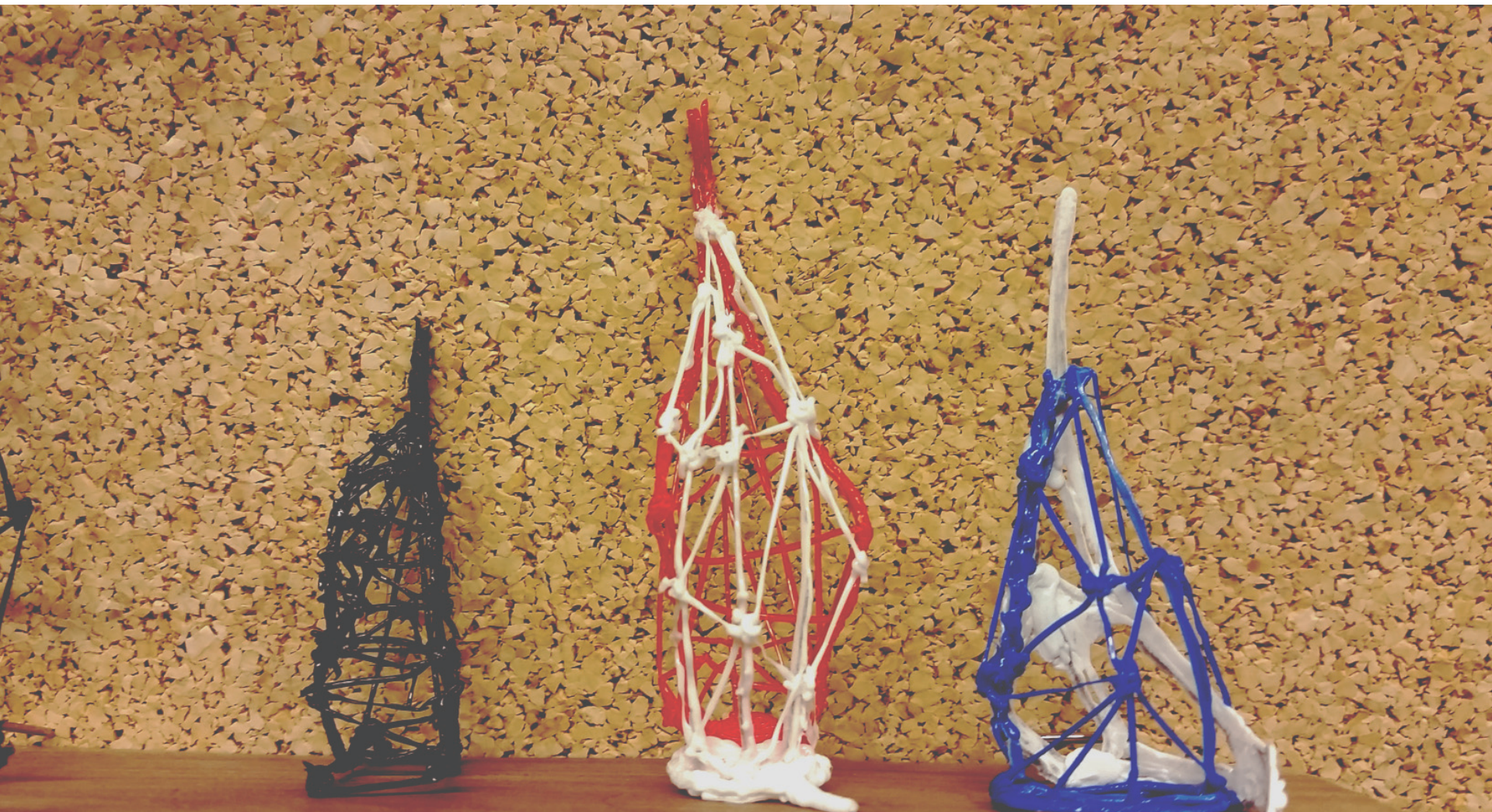


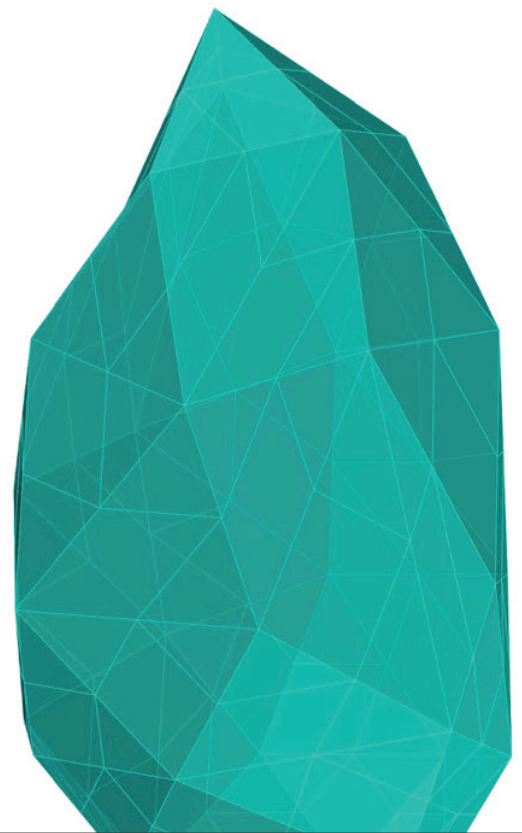
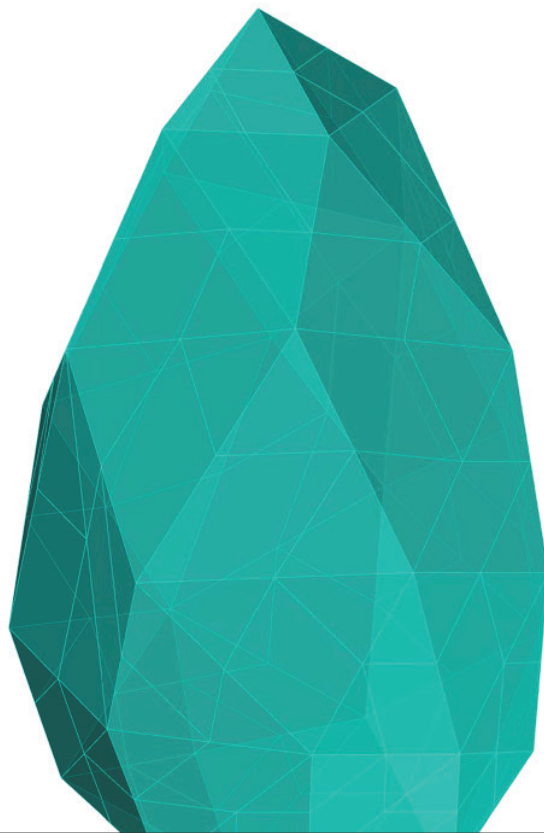
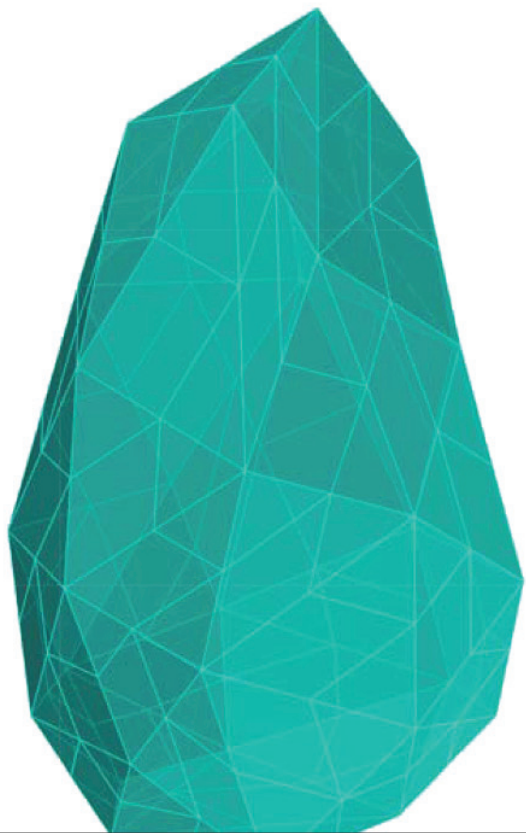


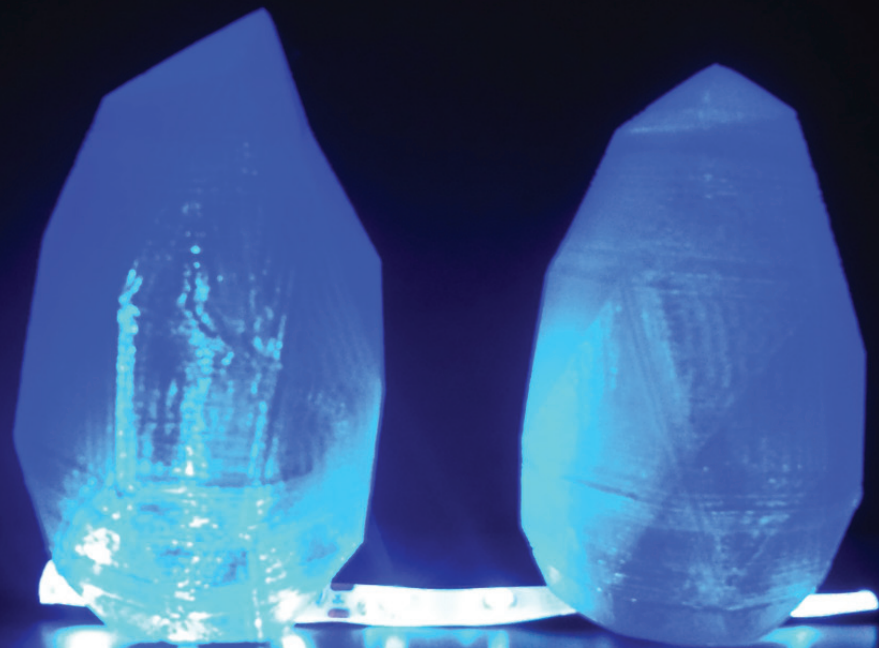
MS



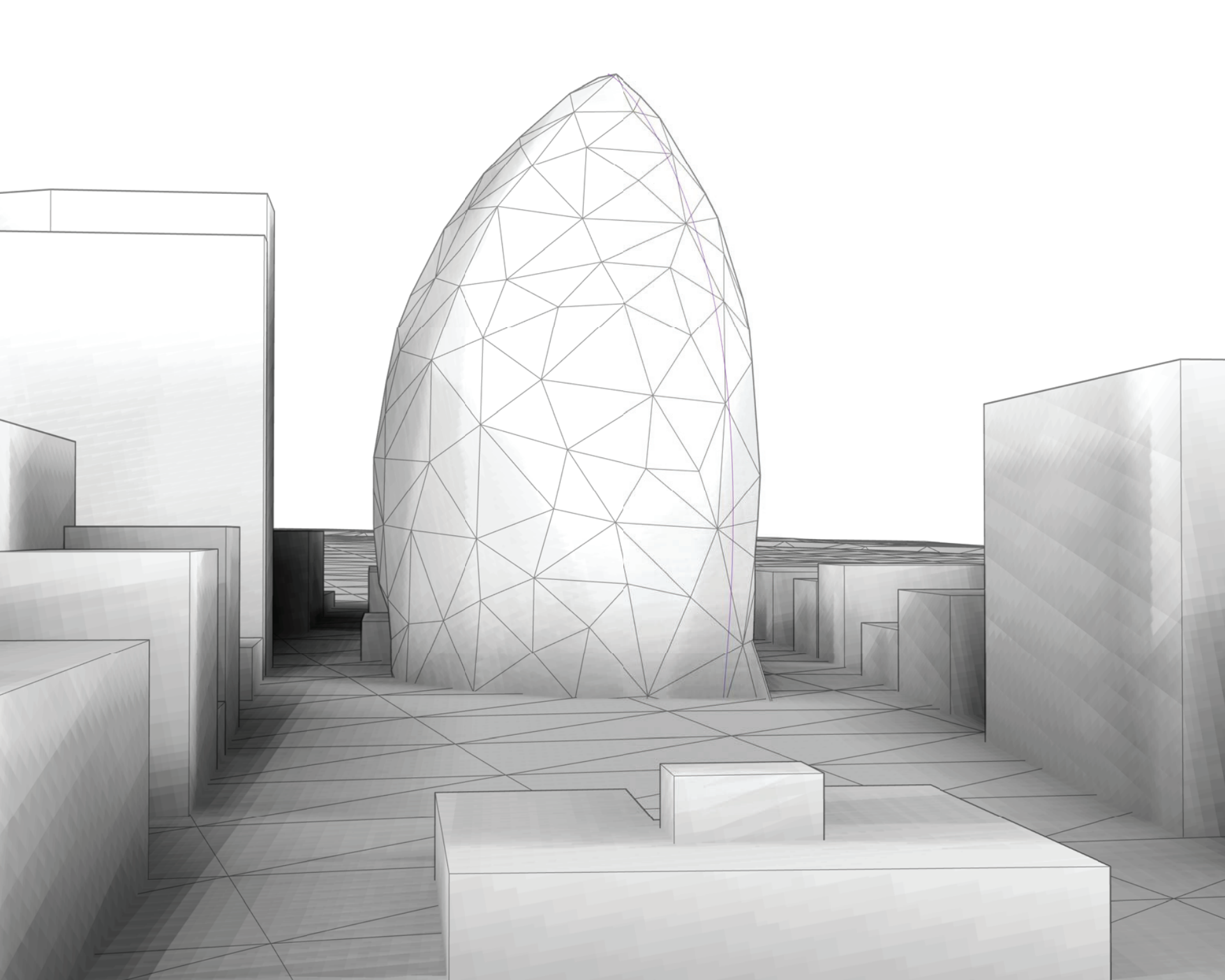


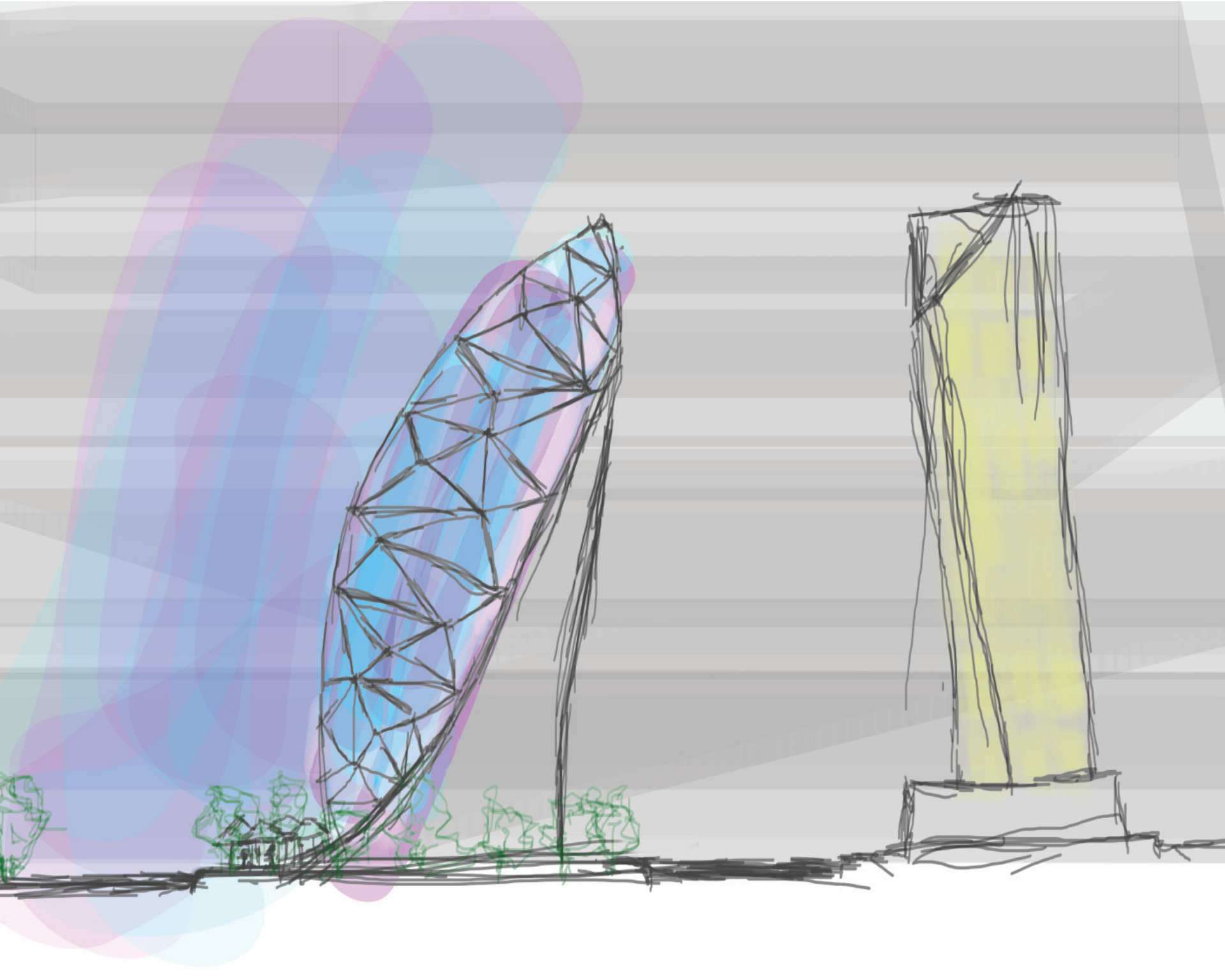


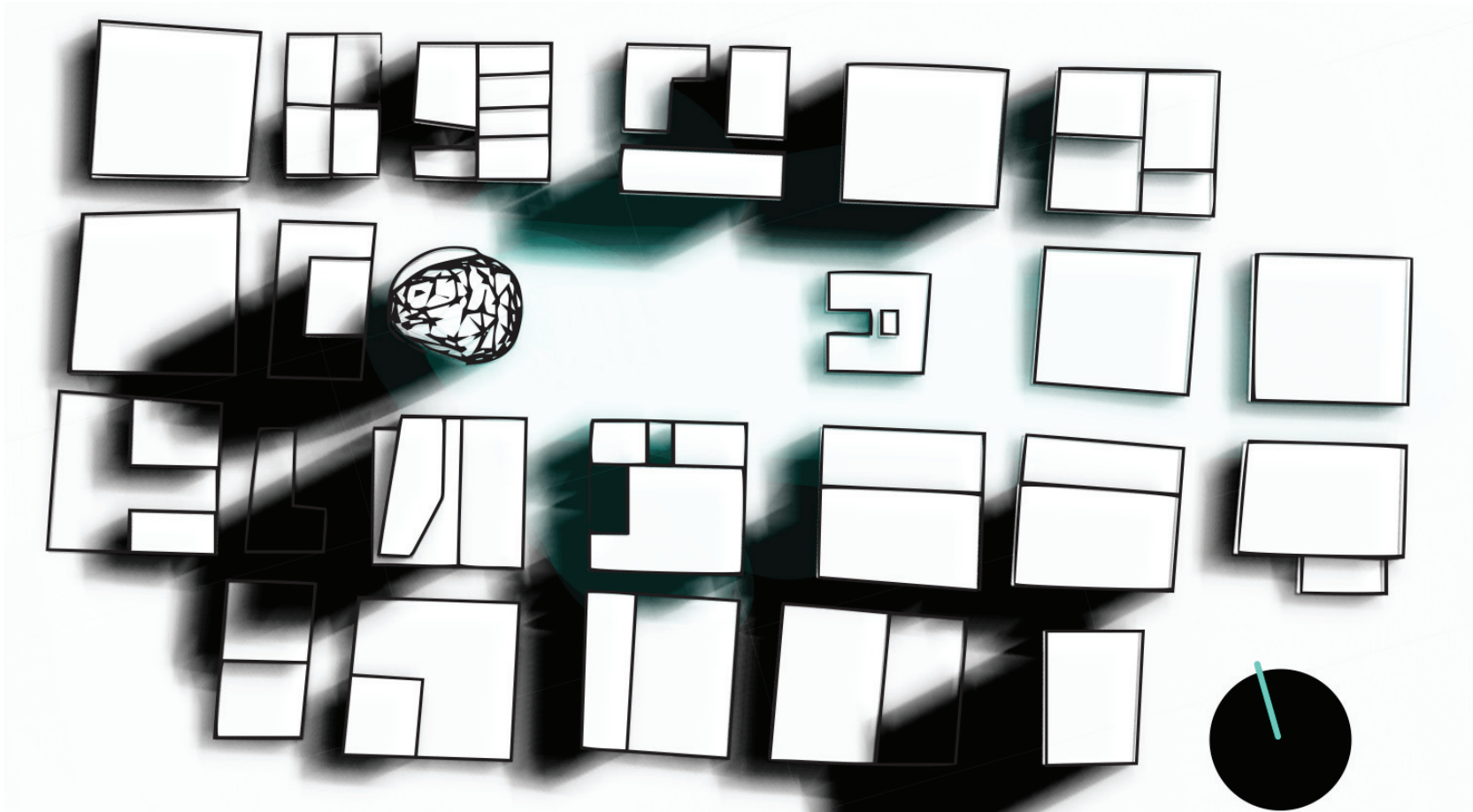


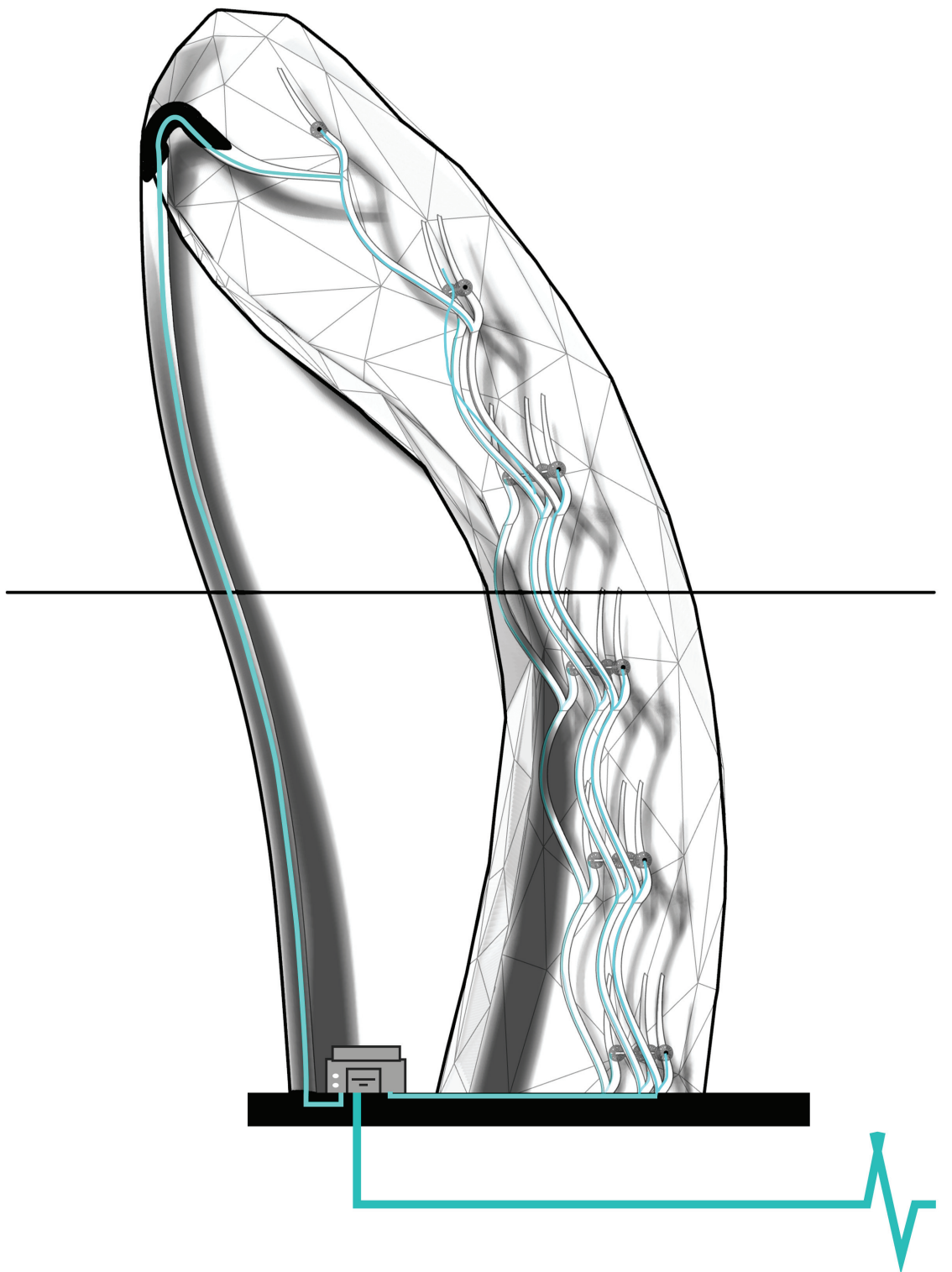
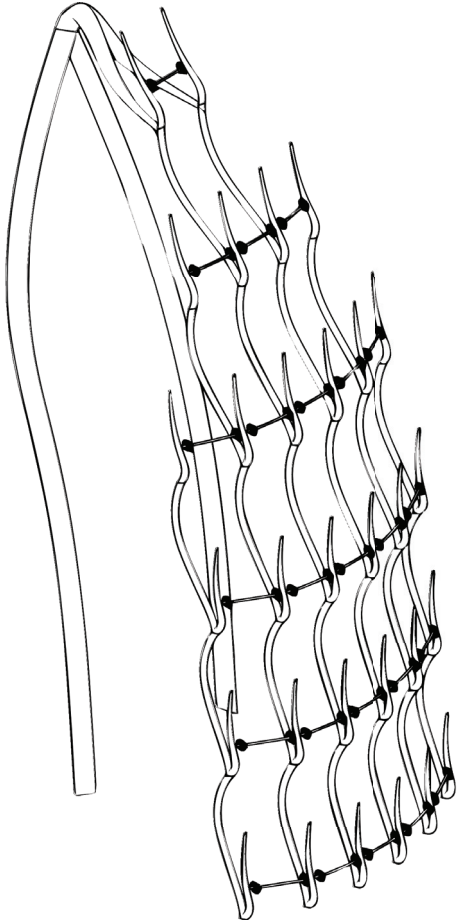
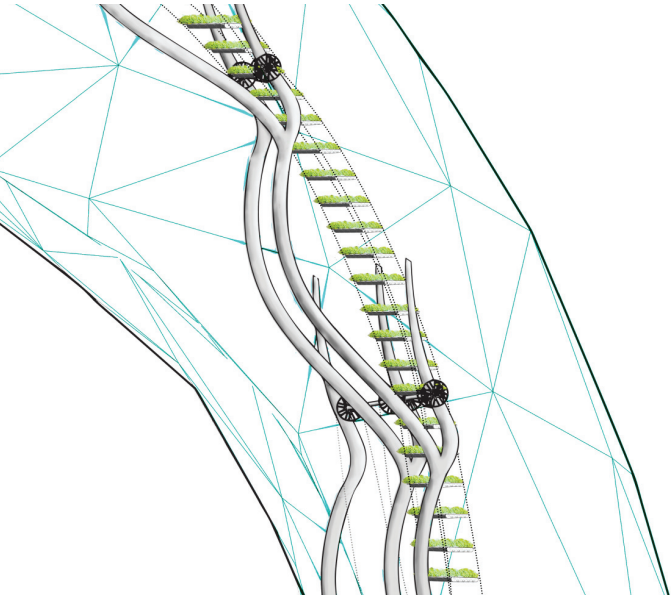


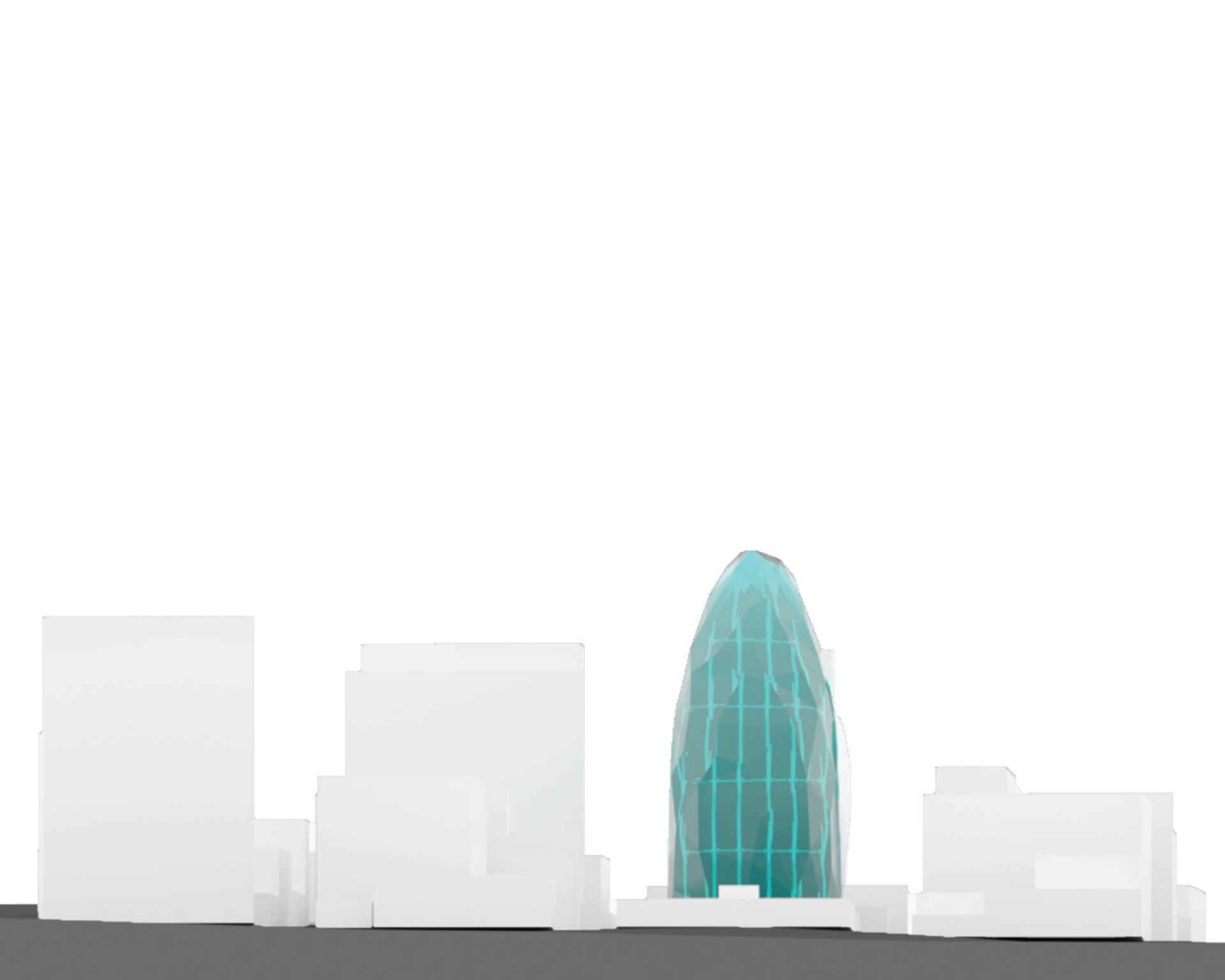




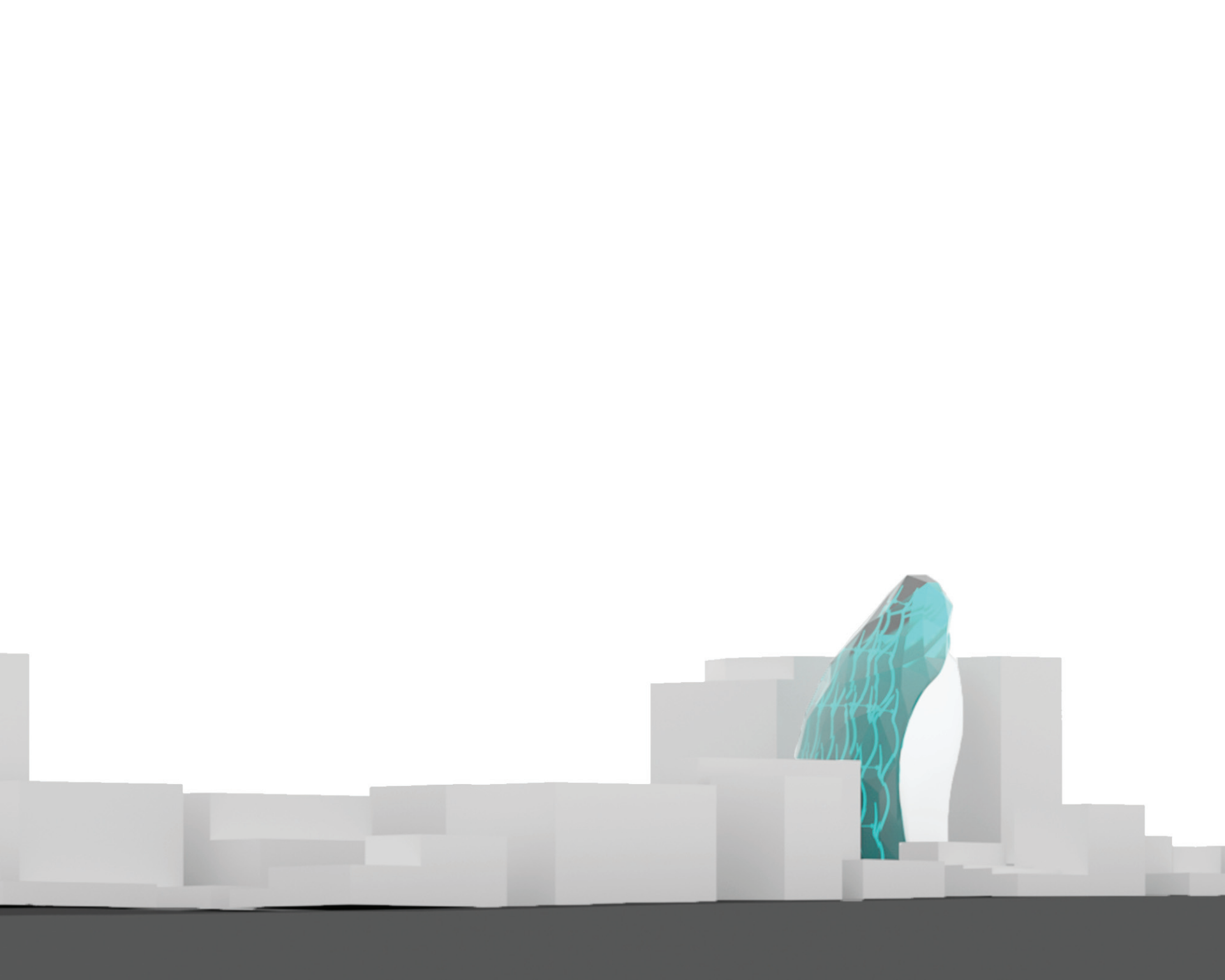














THANK YOU.