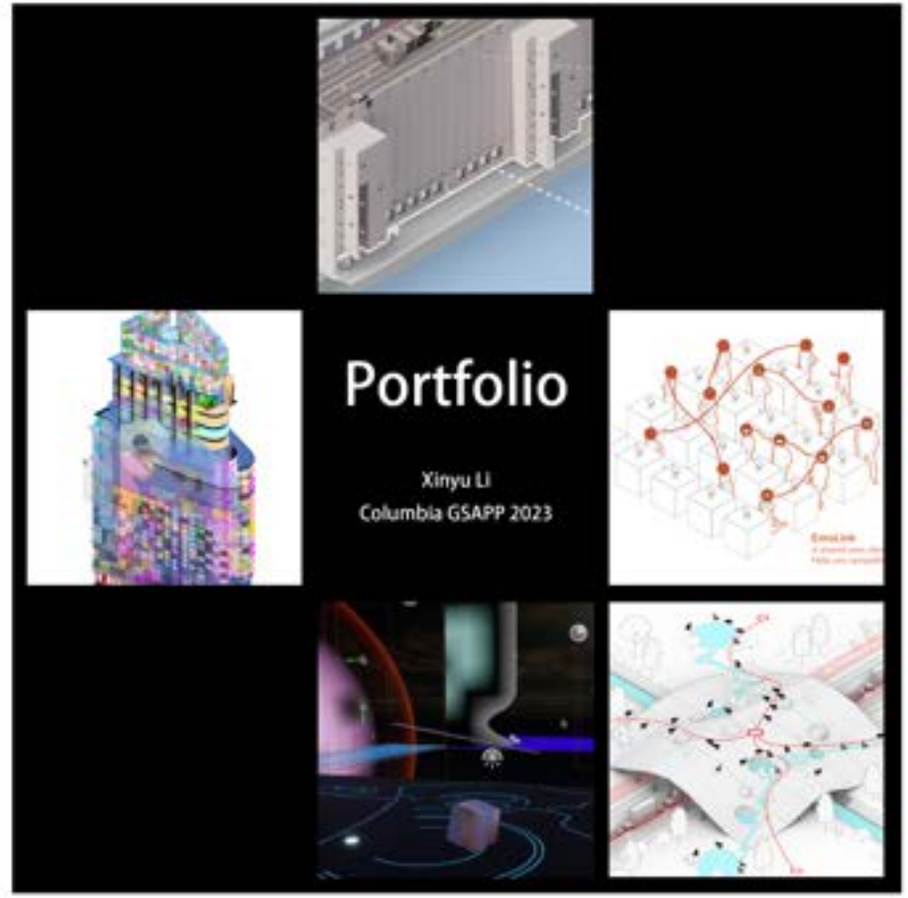

Portfolio
Xinyu Li
Columbia GSAPP 2023

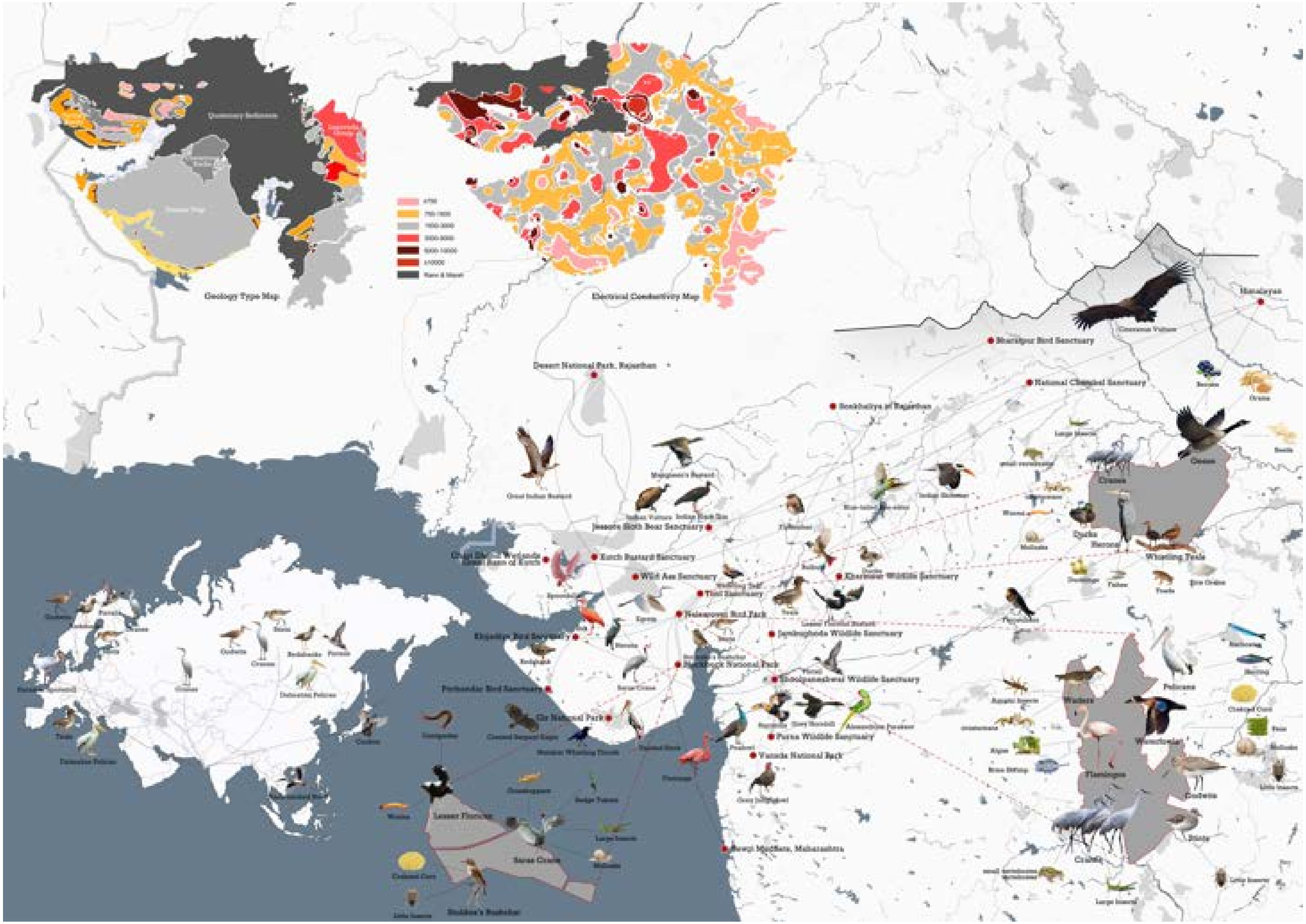
Table of Contents

From Delink to Relink

Spring 2024

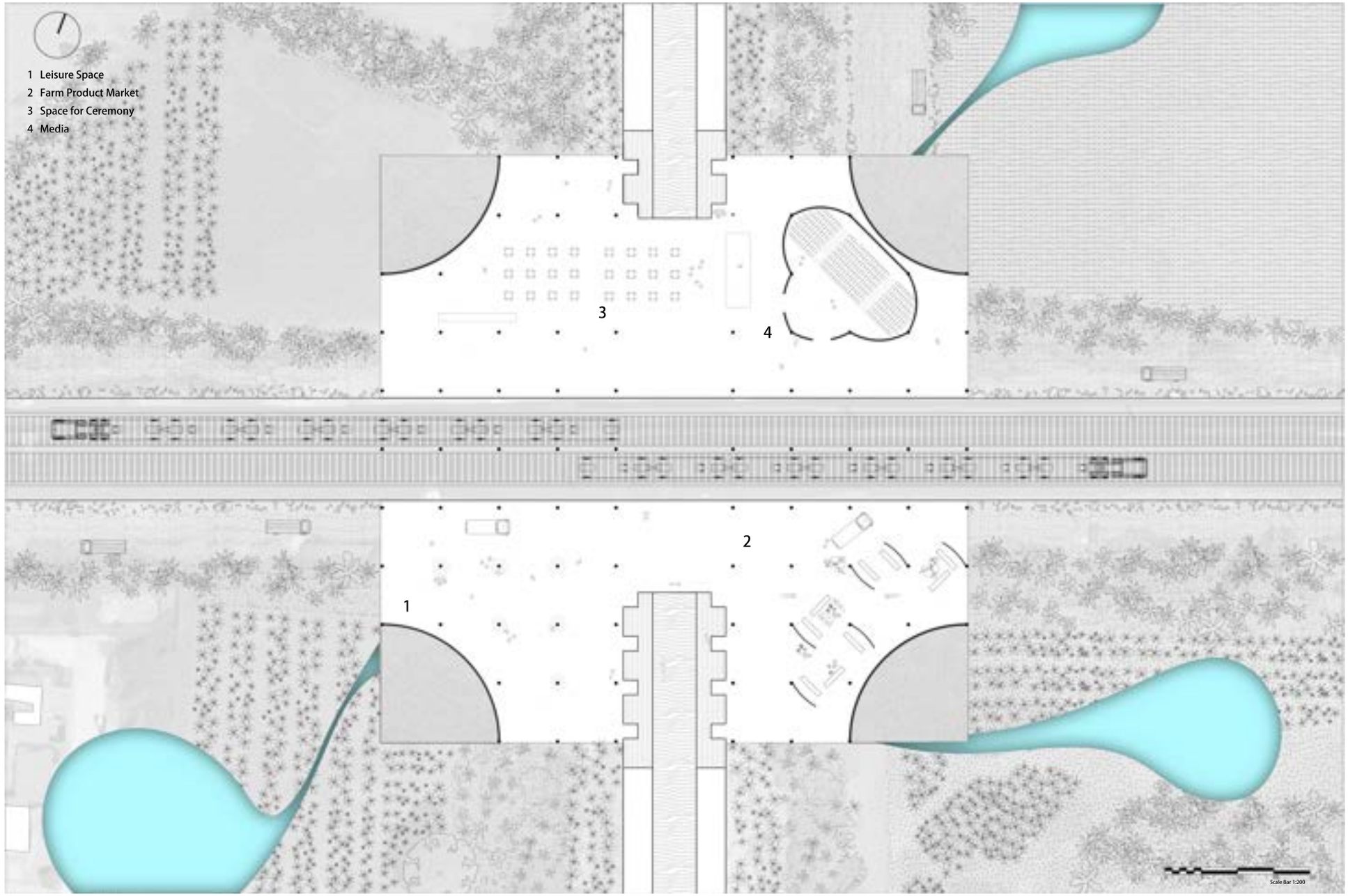
Sonal Beri & Sandro Marpillero

In Godhavi, India, next to a village located in Gujarat. Animals and humans live together in this artificial area where nature coexists. But the expansion of cities is becoming increasingly rapid. Canals, railways, and highways are like insurmountable walls that divide areas that could have been used for animal passage. In order to change this situation, I chose to design an ecological corridor at the intersection of the railway and canal near the village. Animals can travel above, while villagers can use the convention center below the ecological corridor.

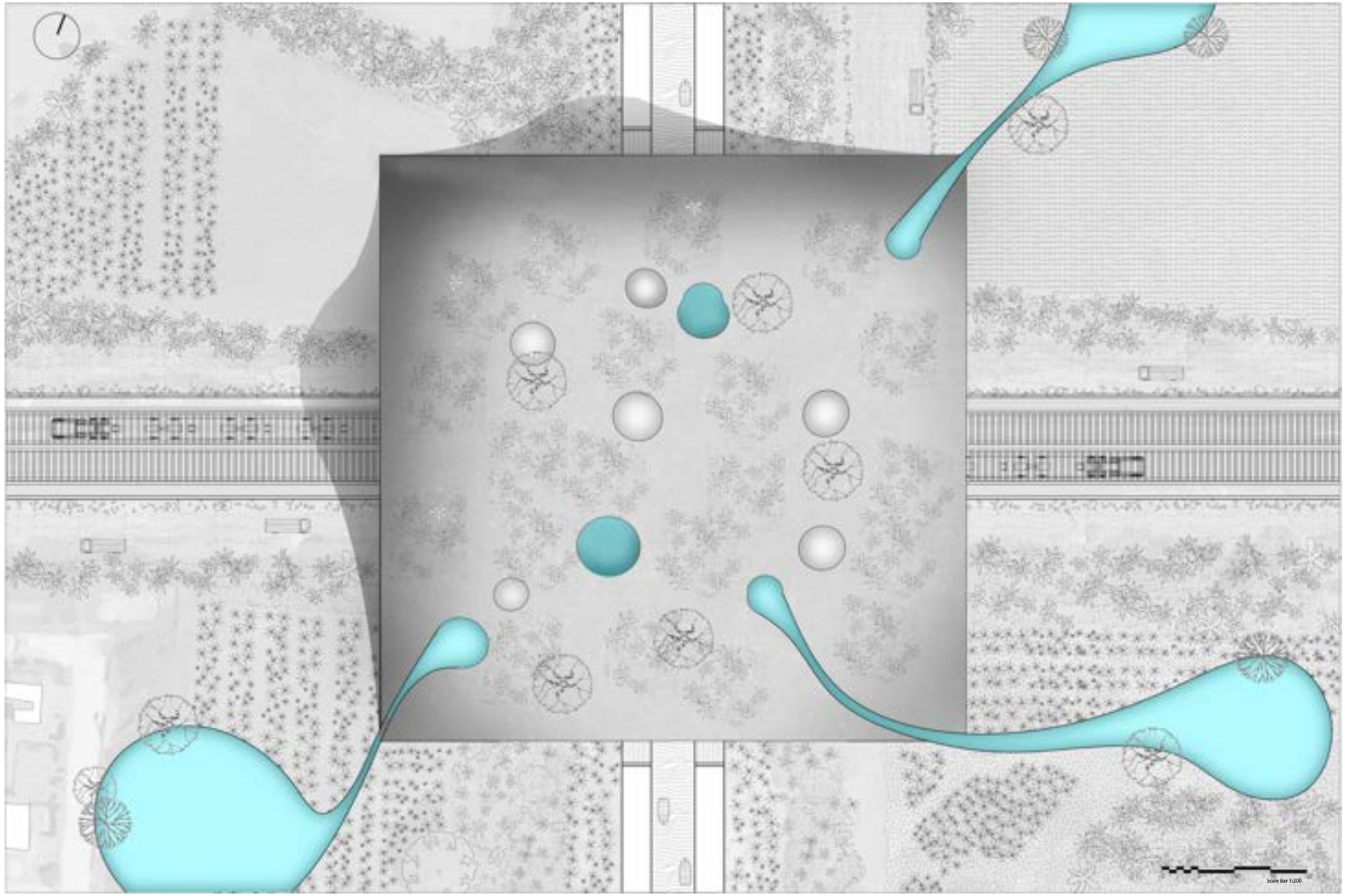

Geology Type Map
Electrical Conductivity Map
Desert National Park, Rajasthan
Bharatpur Bird Sanctuary
National Chambal Sanctuary
Himalayas
Gir National Park
Flamingos
Pelicans
Cranes
Lesser Florican
Sarus Crane

Area Study of Urbanization

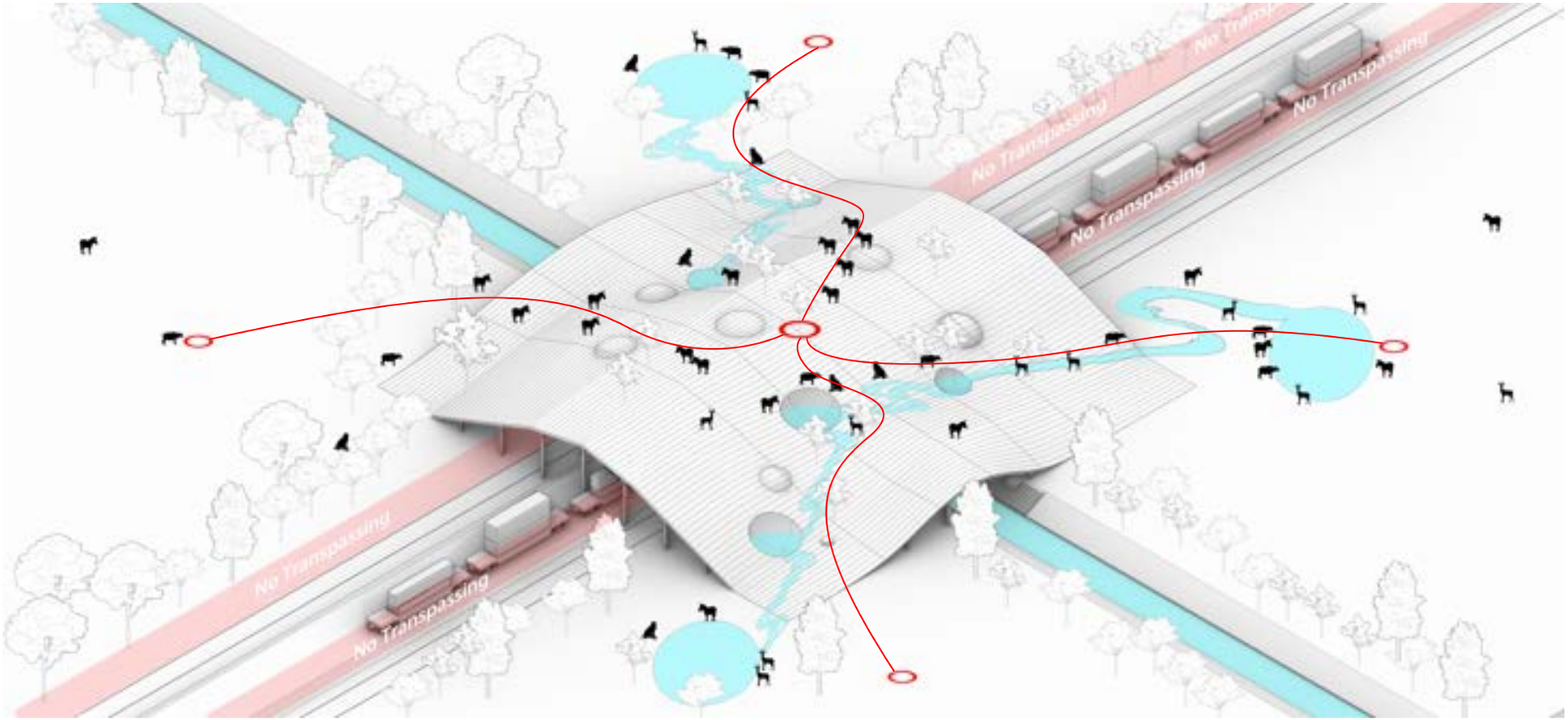
Area Mapping with Animal's Trasport Route



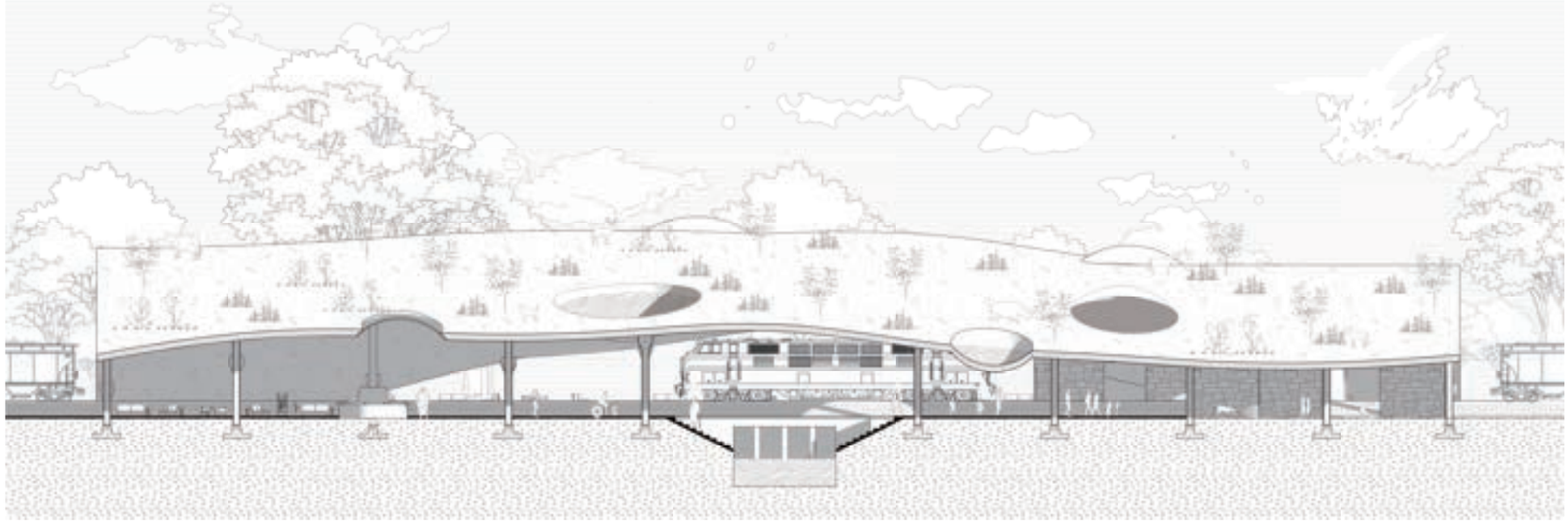
Conventional Center Plan



Natural Corridor Plan



Artificial Talavs to collect rainwater during Mansoon
and animal's route moving on the corridor



Section

Structure

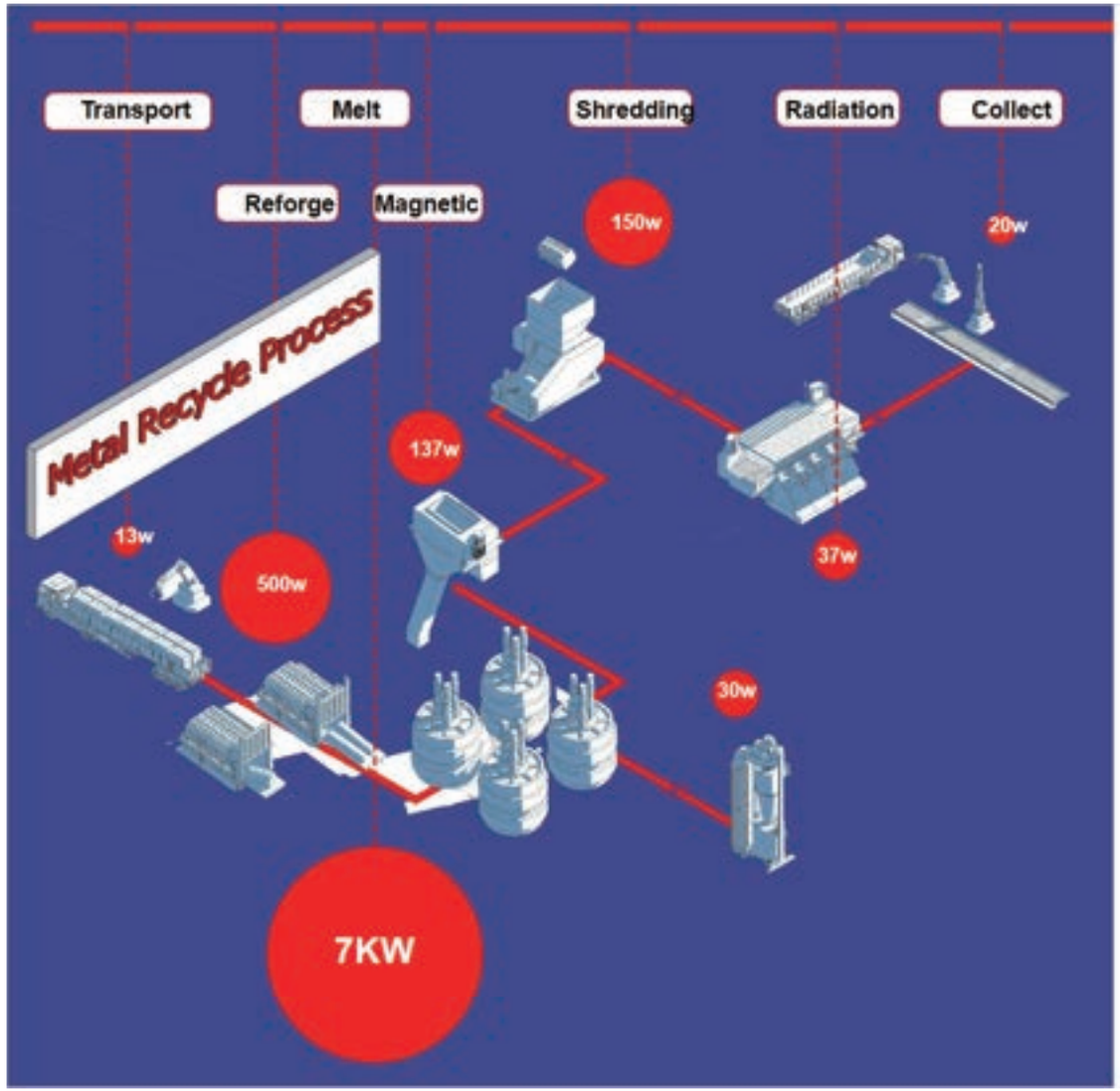
Perspective Section

Living on Rail

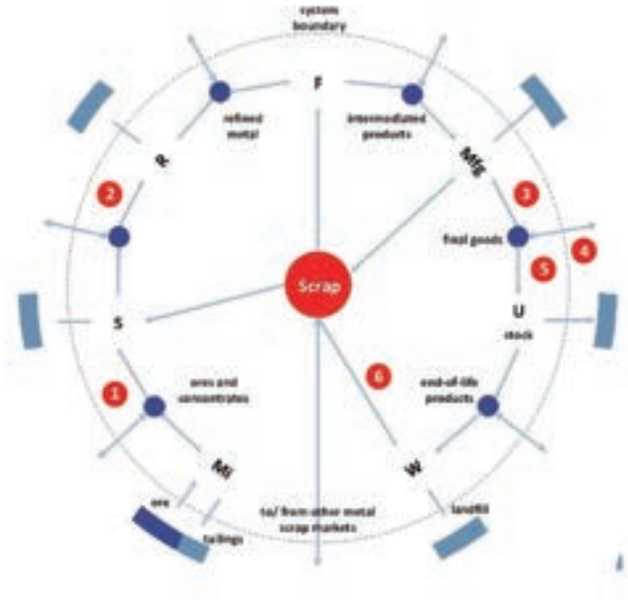
Fall 2023

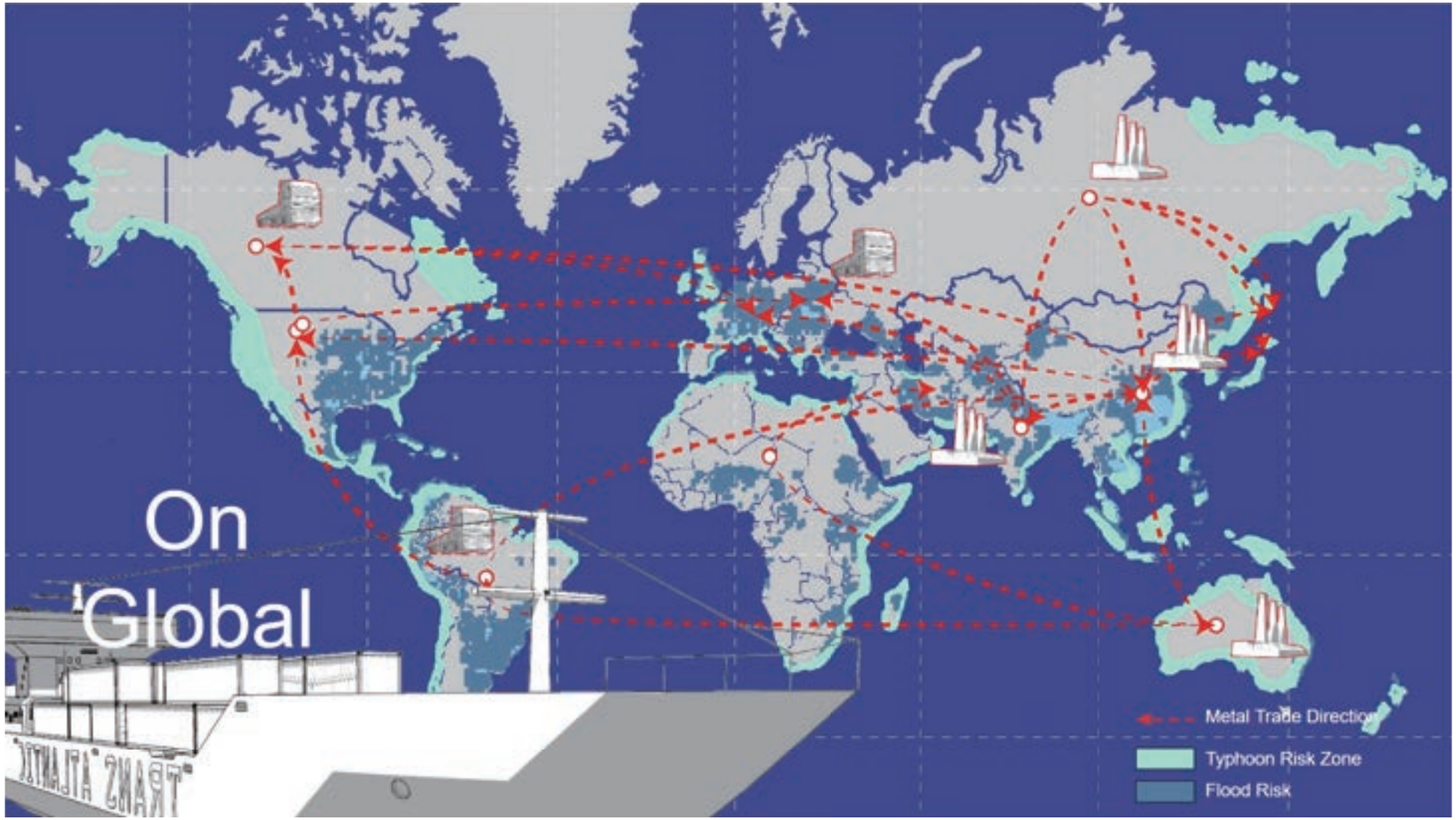
Bobby Johnston & Ruth Mandl

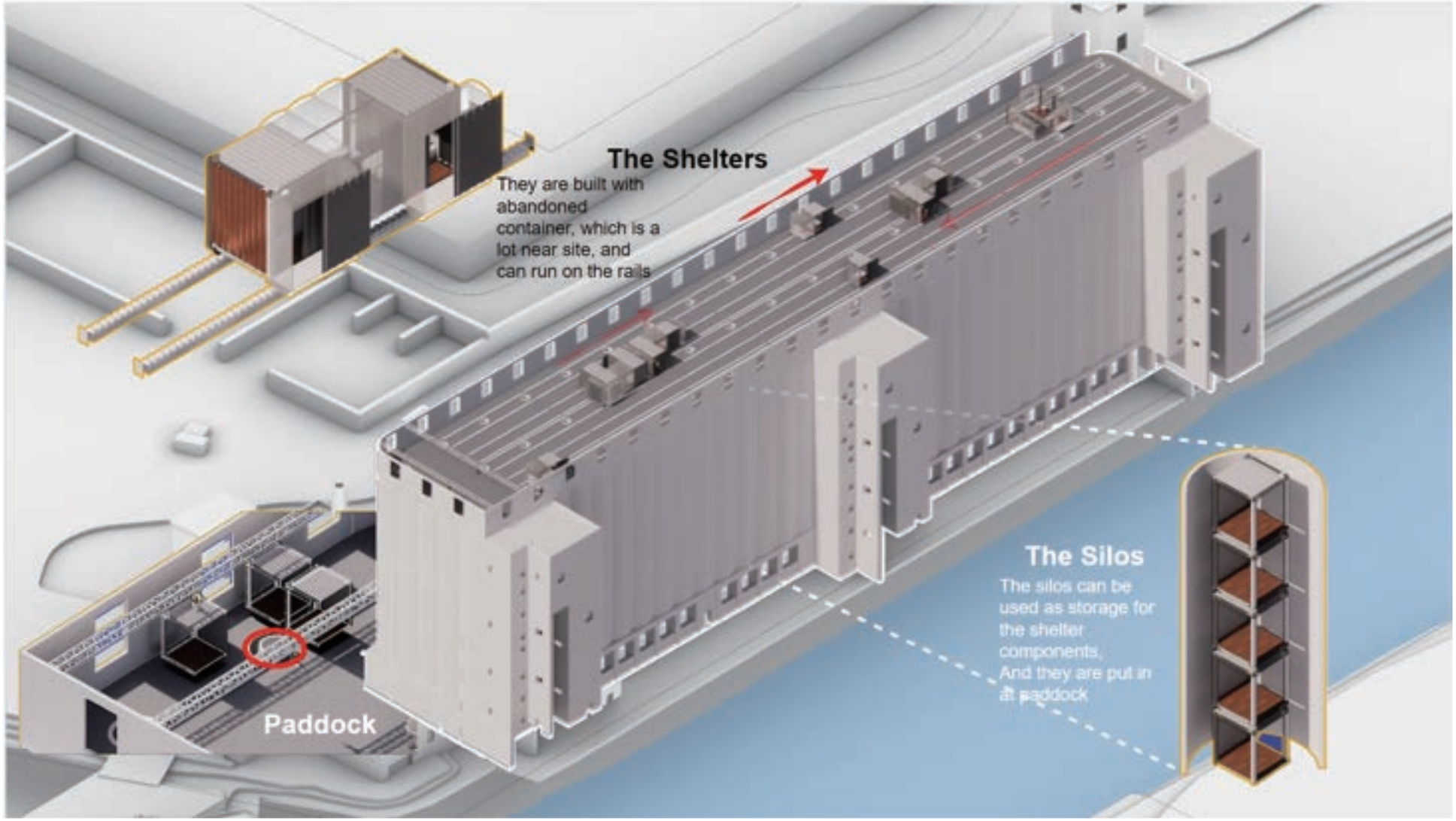
The site for this semester's design is the Red Hook Grain Terminal located in Brooklyn. As an abandoned silo industrial building, each of us will select a part of this building and redesign it to give it new functions. In the preliminary research, I became interested in the harm of rising sea levels and floods caused by hurricanes to surrounding communities. Therefore, I selected the top floor of the Grain Terminal and designed it as a shelter for residents in the surrounding community. In order to provide residents with a community experience while taking refuge, I will place units made from recycled containers on tracks that can be moved and combined into different spaces.

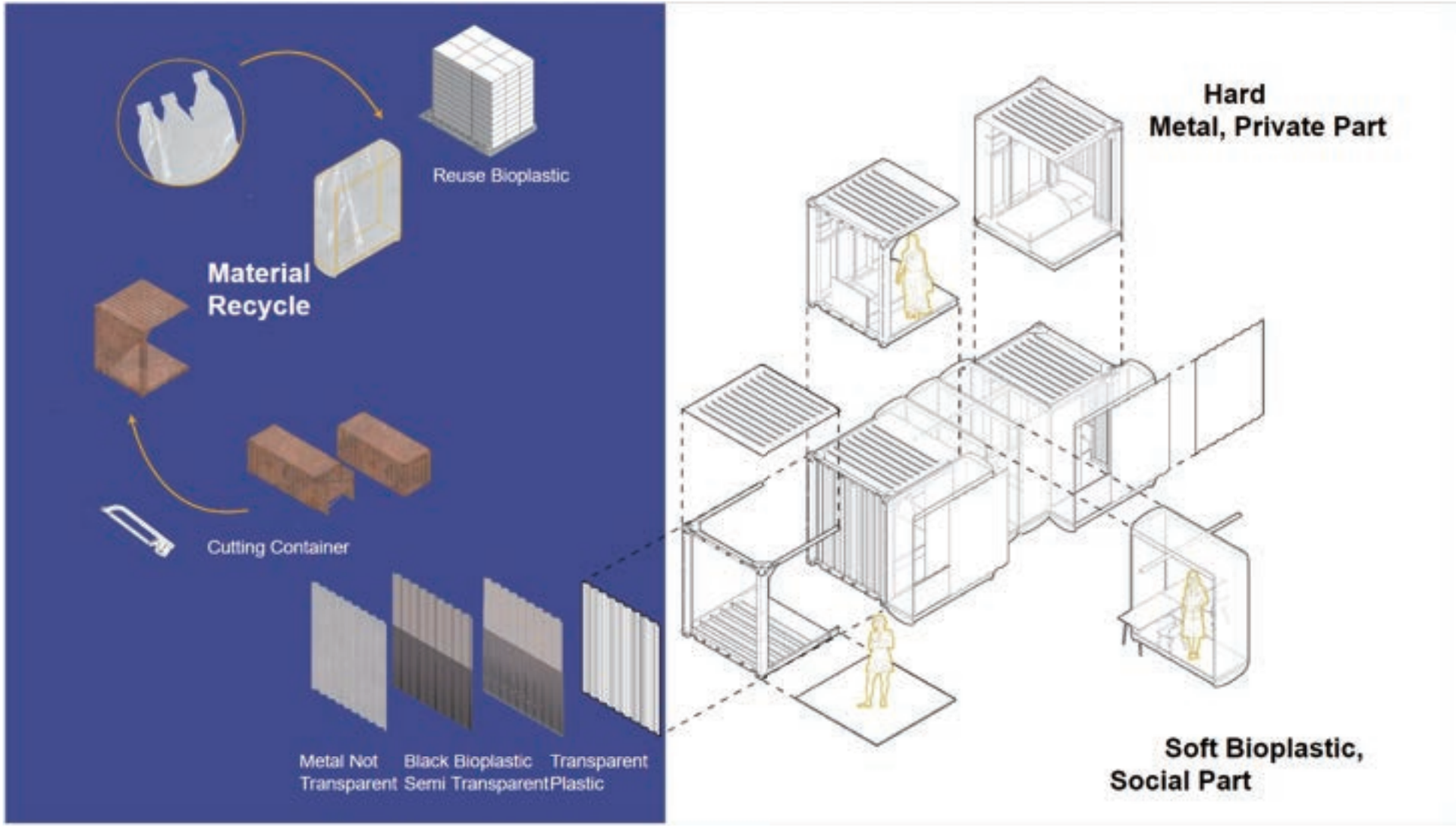


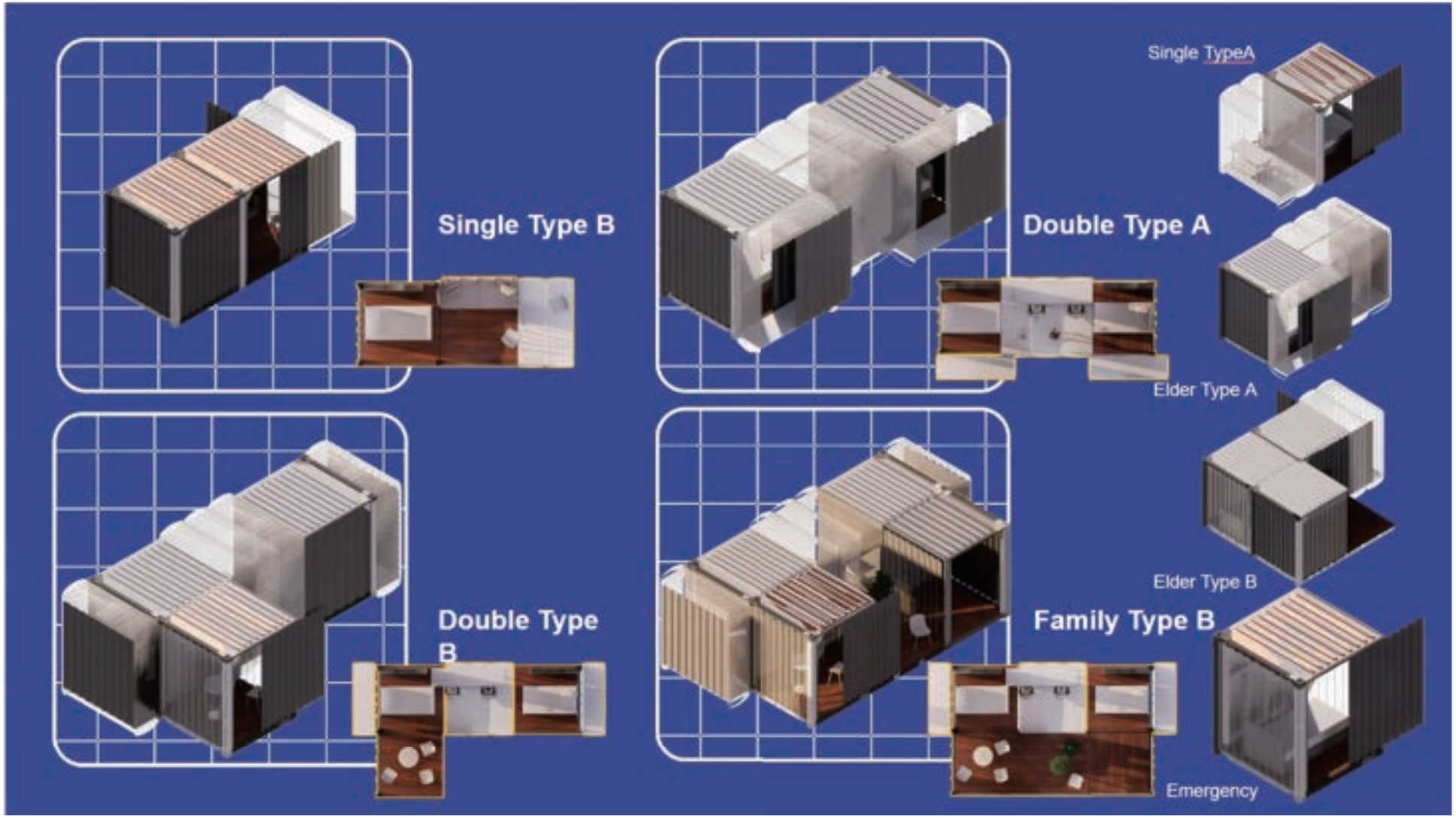
Metal Recycle Process



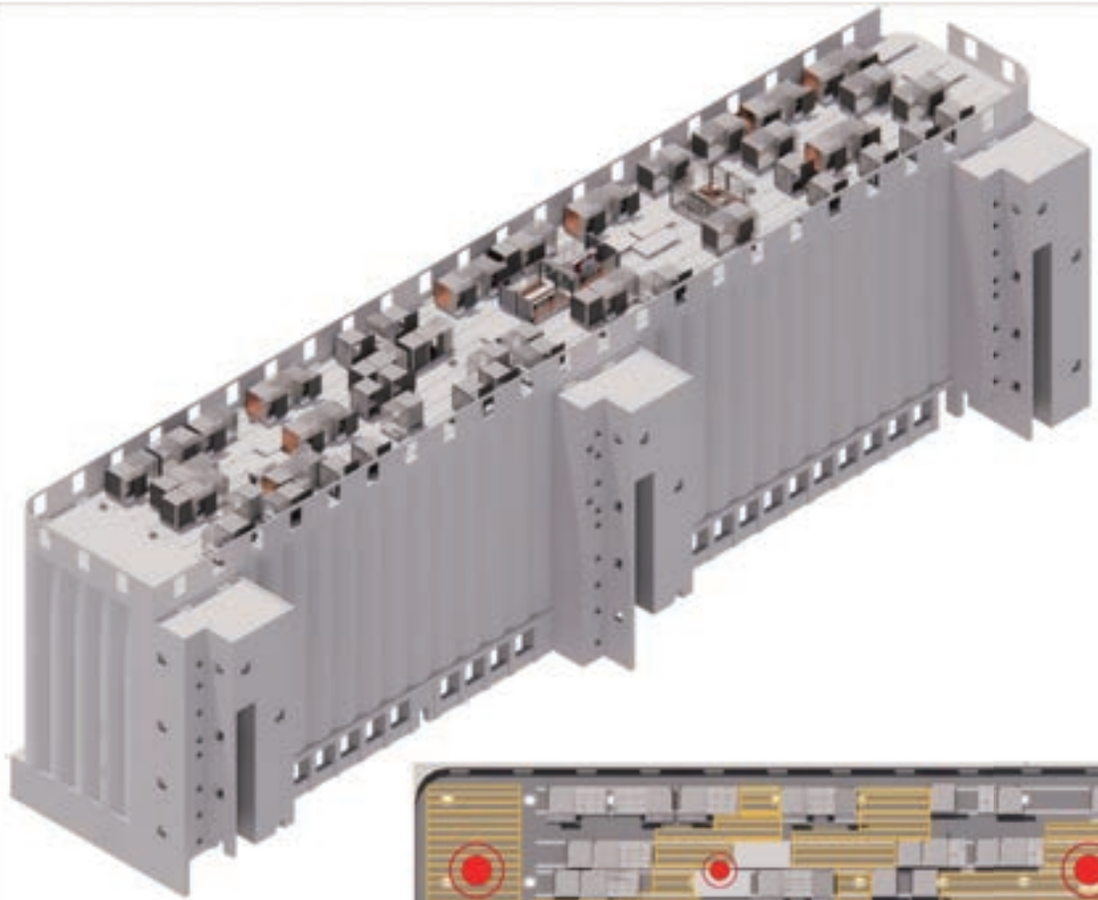

On
Global
Metal Trade Direction
Typhoon Risk Zone
Flood Risk

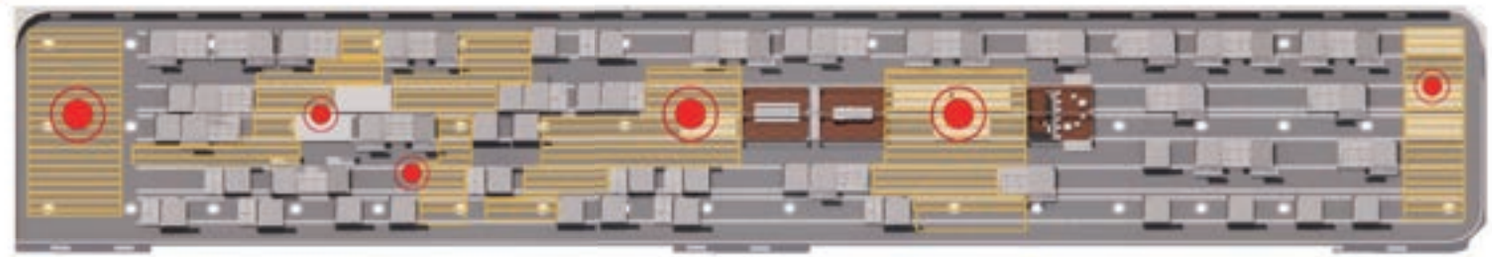

The Shelters
They are built with abandoned container, which is a lot near site, and can run on the rails
The Silos
The silos can be used as storage for the shelter components. And they are put in at paddock
Paddock


Reuse Bioplastic
Material
Recycle
Cutting Container
Metal Not
Transparent
Black Bioplastic
Semi Transparent
Transparent
Plastic
Hard
Metal, Private Part
Soft Bioplastic,
Social Part


Single Type B
Double Type A
Single TypeA
Elder Type A
Double Type B
Elder Type B
Family Type B
Emergency

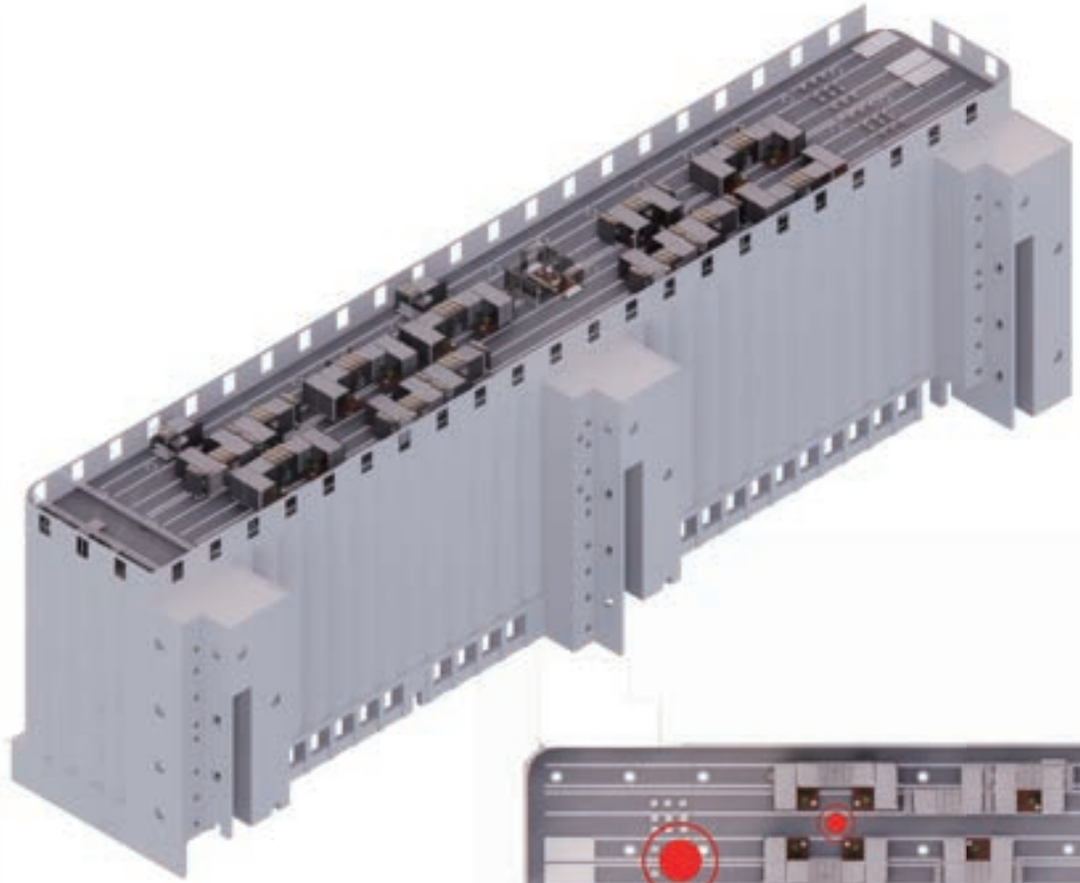
Scenario 1
Beginning

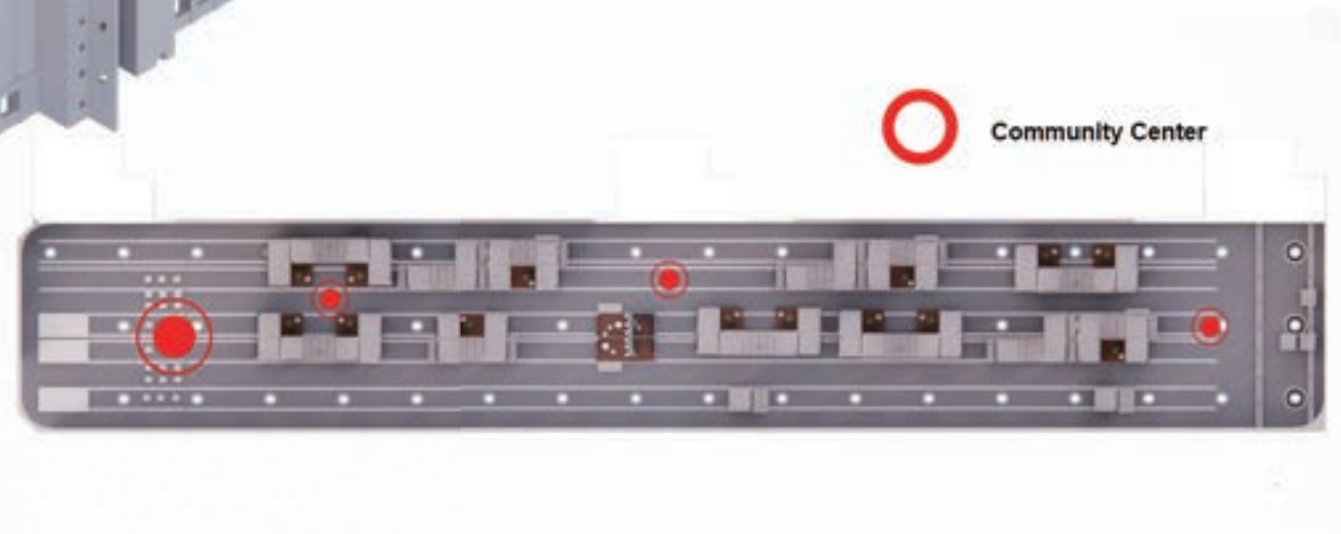




Community Center

Scenario 2 After the Flood End





Lost in Translation

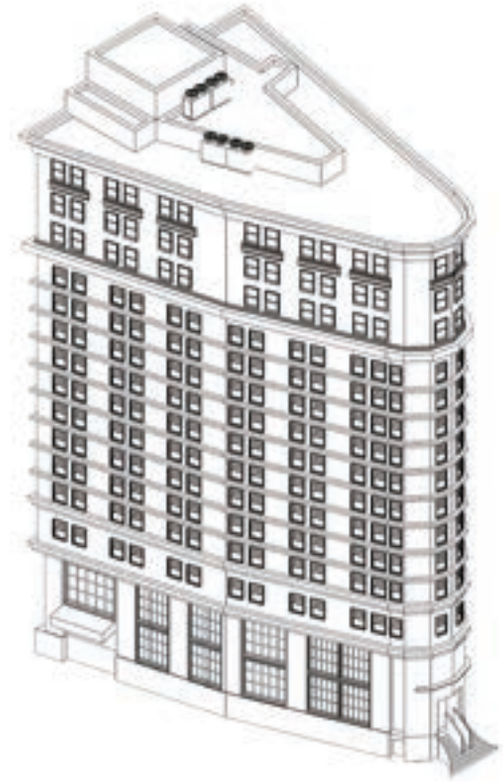
Summer 2023

Michiel Helbig &Corneel Cannaerts

In this semester's studio, we studied the history of how humans created a virtual Second earth in the Internet era. In this process, everything we can perceive in the physical world is faithfully or artistically transformed into virtual property. Before the mid-term, we discussed as a group various ways of translation in this process. And for final, we each chose a building in Manhattan as our own base and designed different versions for different virtual map modes as imagined for future scenarios.

Google Map Version

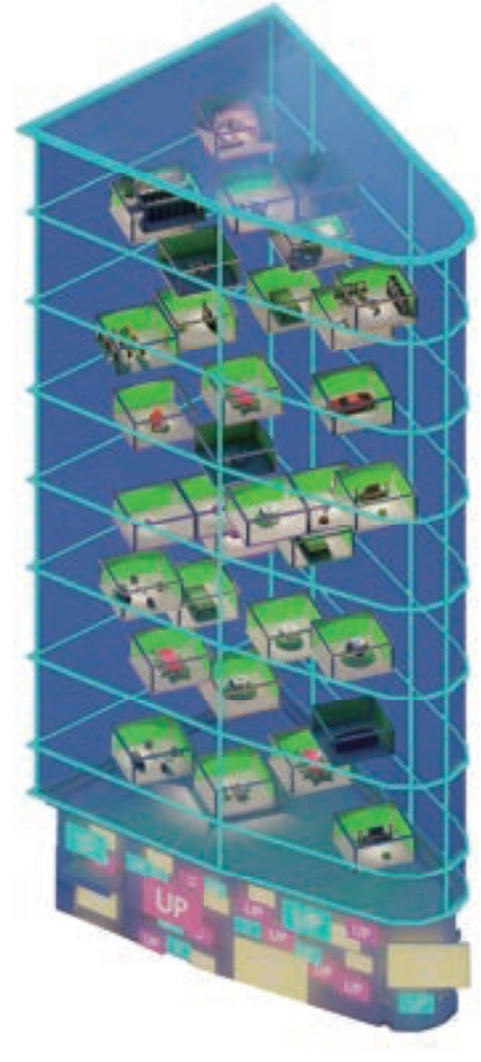
Green Screen Version



Physical Version

Real Estate Version

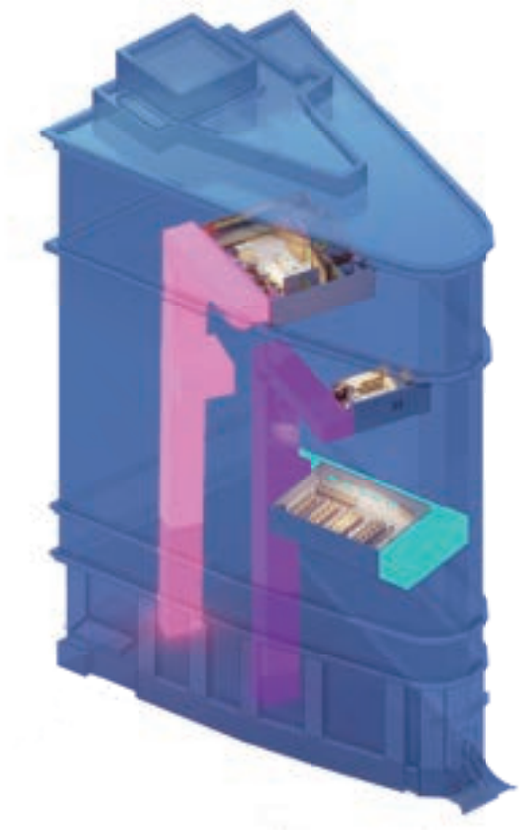
Market Version



Virtual Estate Version

Community Emoji Version

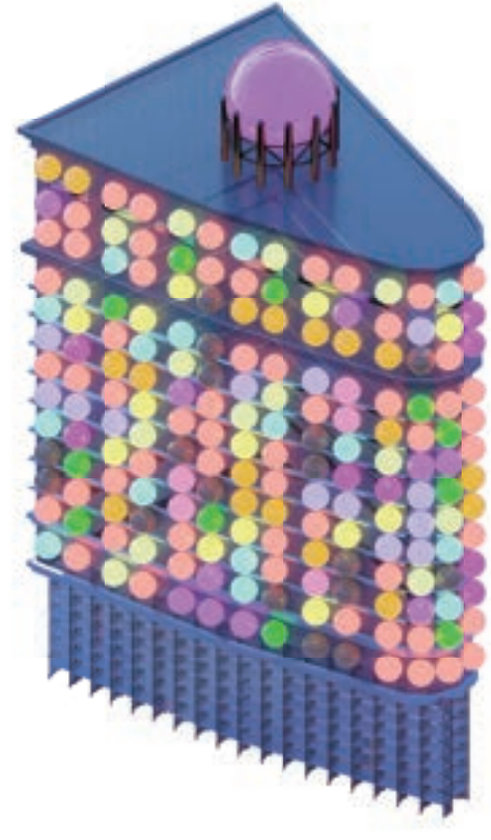
App Version



Commercial Version

Yelp Version

Tinder Version



Discord Version

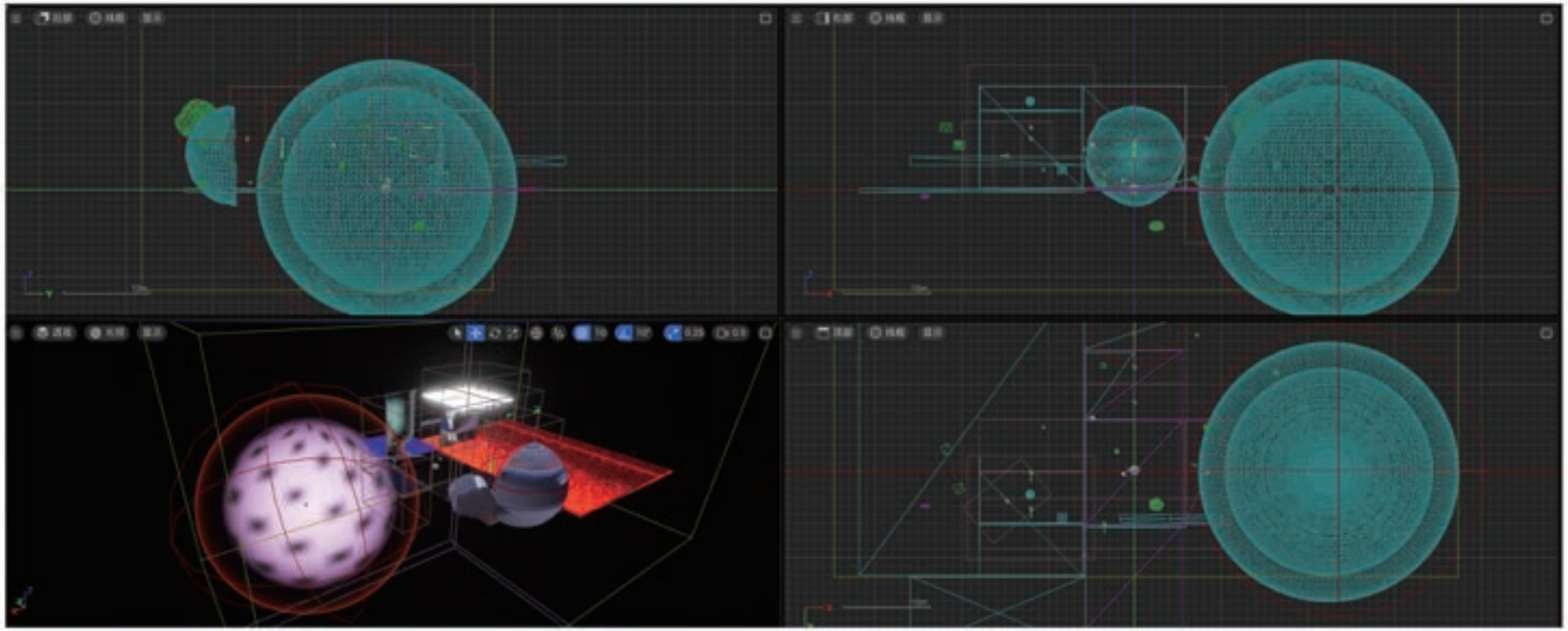
Lost Horizon

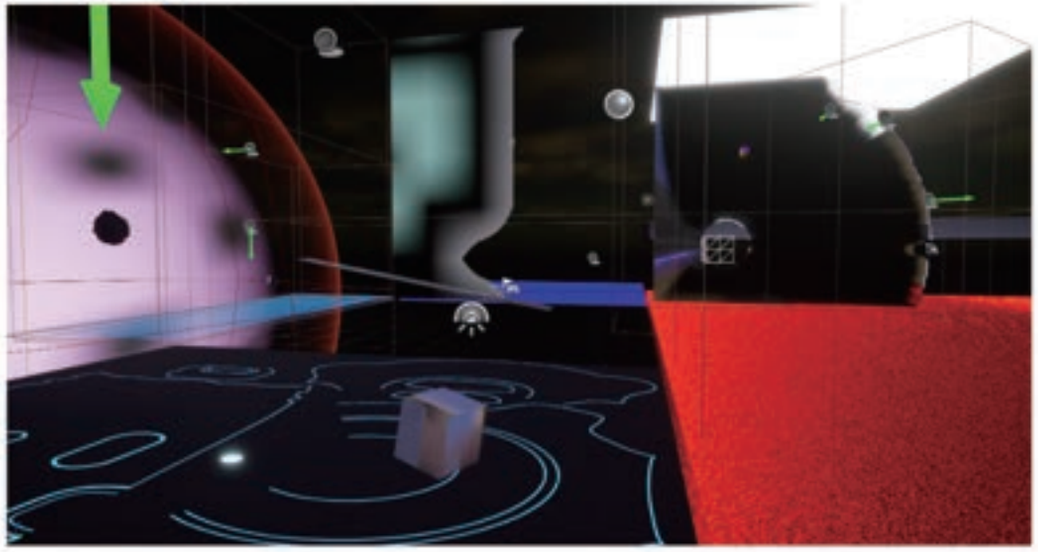
Spring 2024

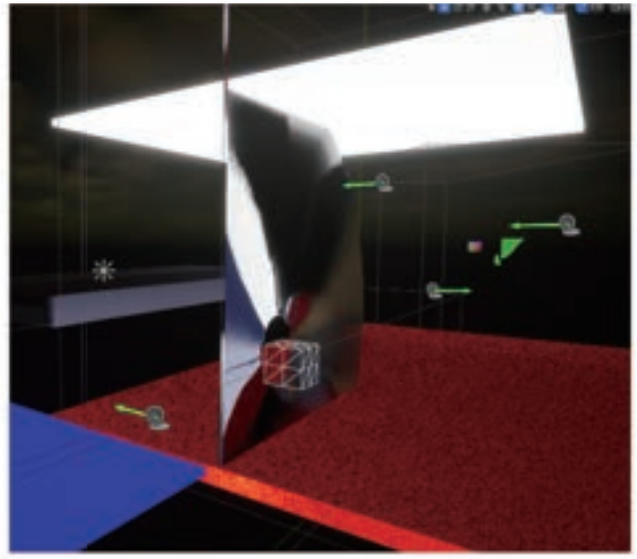
Virtual Architecture by Nitzan Bartov

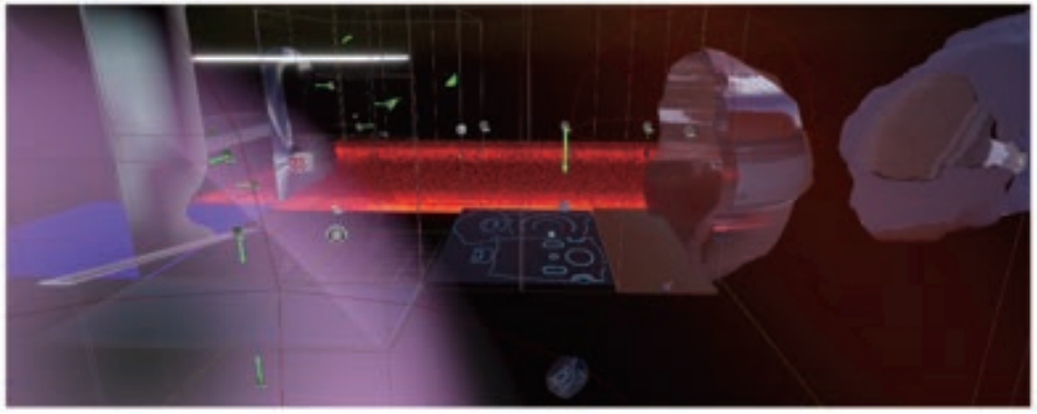
Collaborated with Wenxi Zhang & Shiyu Qiu

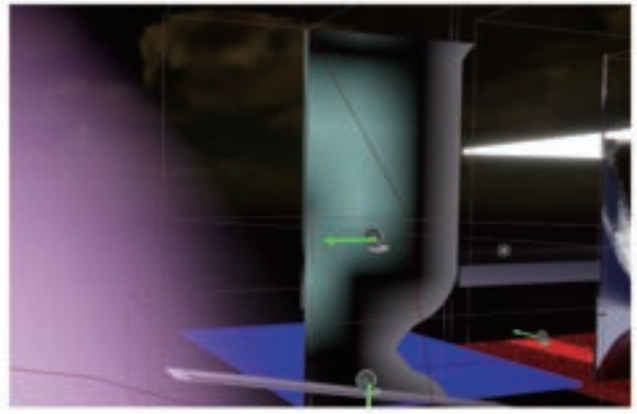
This class is all about constructing a virtual space with different interaction method from physical world.
We learned how to use UE5 engine and created a world with chaotic gravity.











Emolink

Fall 2023

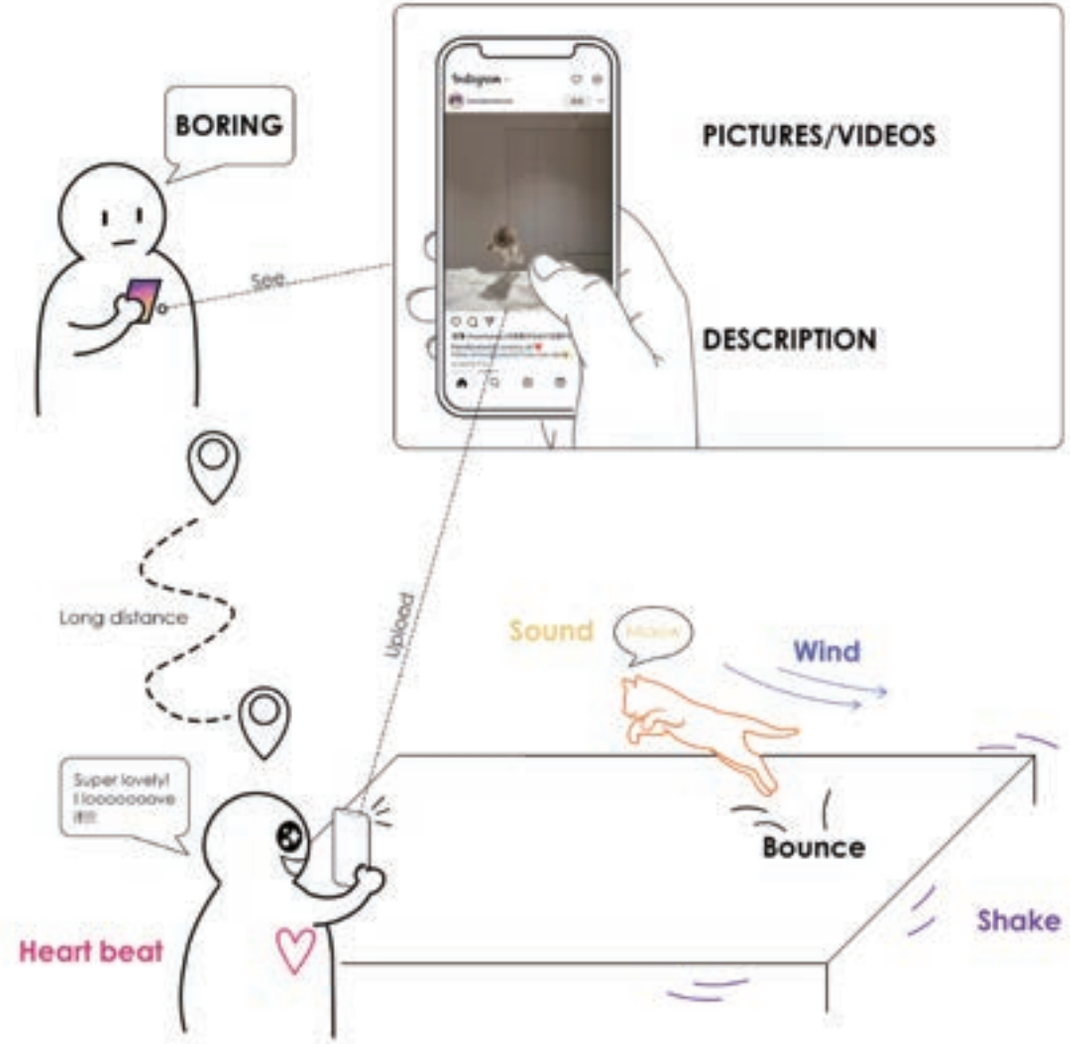
Spatial UX by Violet Whitney

Collaborated with Yao Xiao & Sharon Kang

In this time of social media, we are gradually losing our ability to perceive emotions. We can see others' post on instagram, but can not share their feeling. We don't know how to react.
Through IFTTT and Javatranscript, we tried to create adevice that can form an atmosphere where people can share emotions.

- Add in a new function that connects Instagram to our real life locations, taking the "sharing" experience one step further
- When the user are in the physical world, they can see all other post published in adjacent locations
- User can see where their friends had recently been to

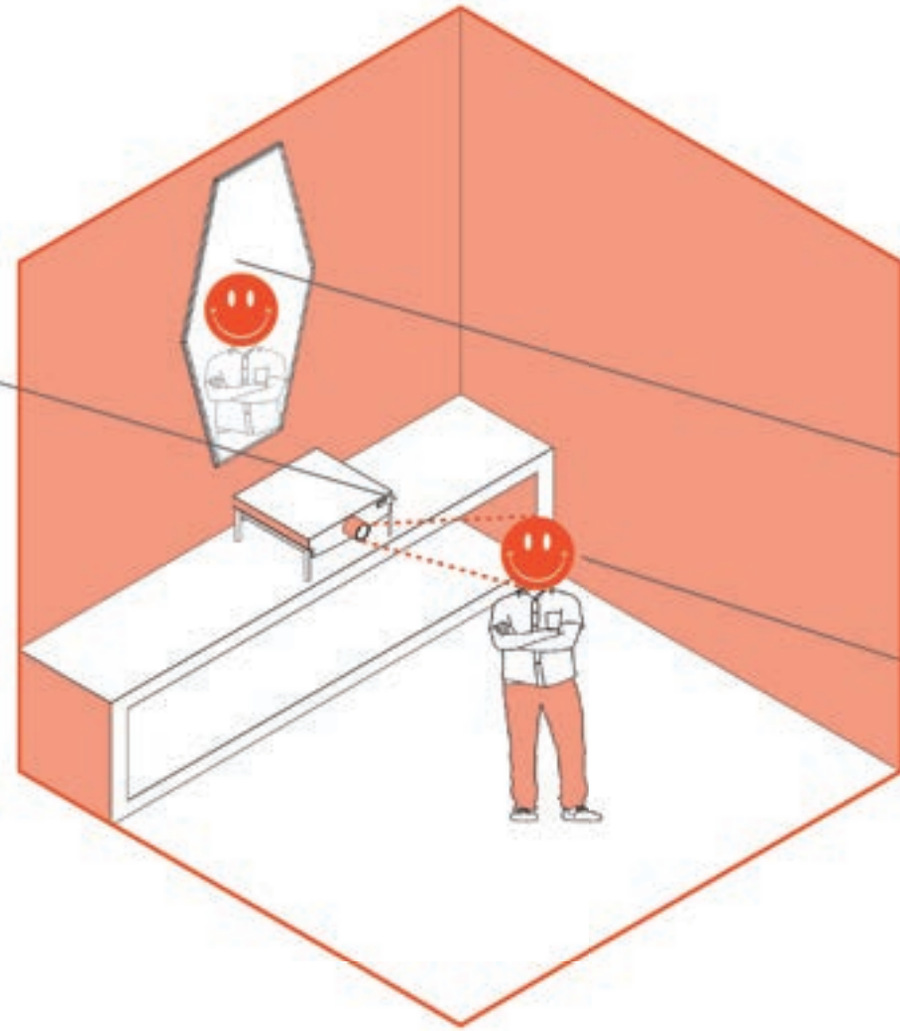
Instagram + Map


BORING
See
PICTURES/VIDEOS
DESCRIPTION
Long distance
Upload
Sound
Wind
Super lovely!
I looooooove
Bounce
Shake
Heart beat

MECHANISM DIAGRAM

Projector

projecting different emoji on user's face to let them sympathize with the crowd



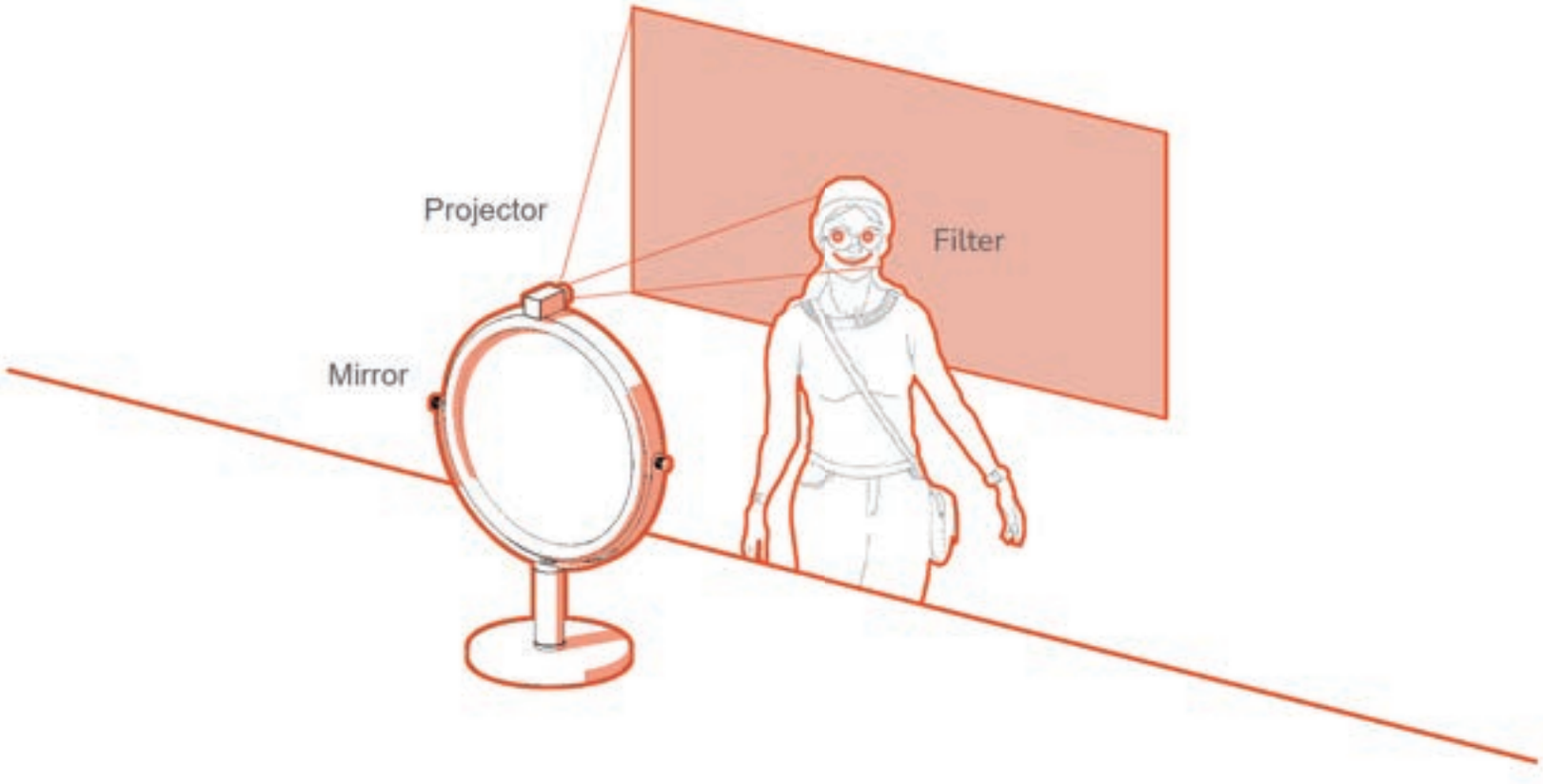
Mirror

Reflection of the online world

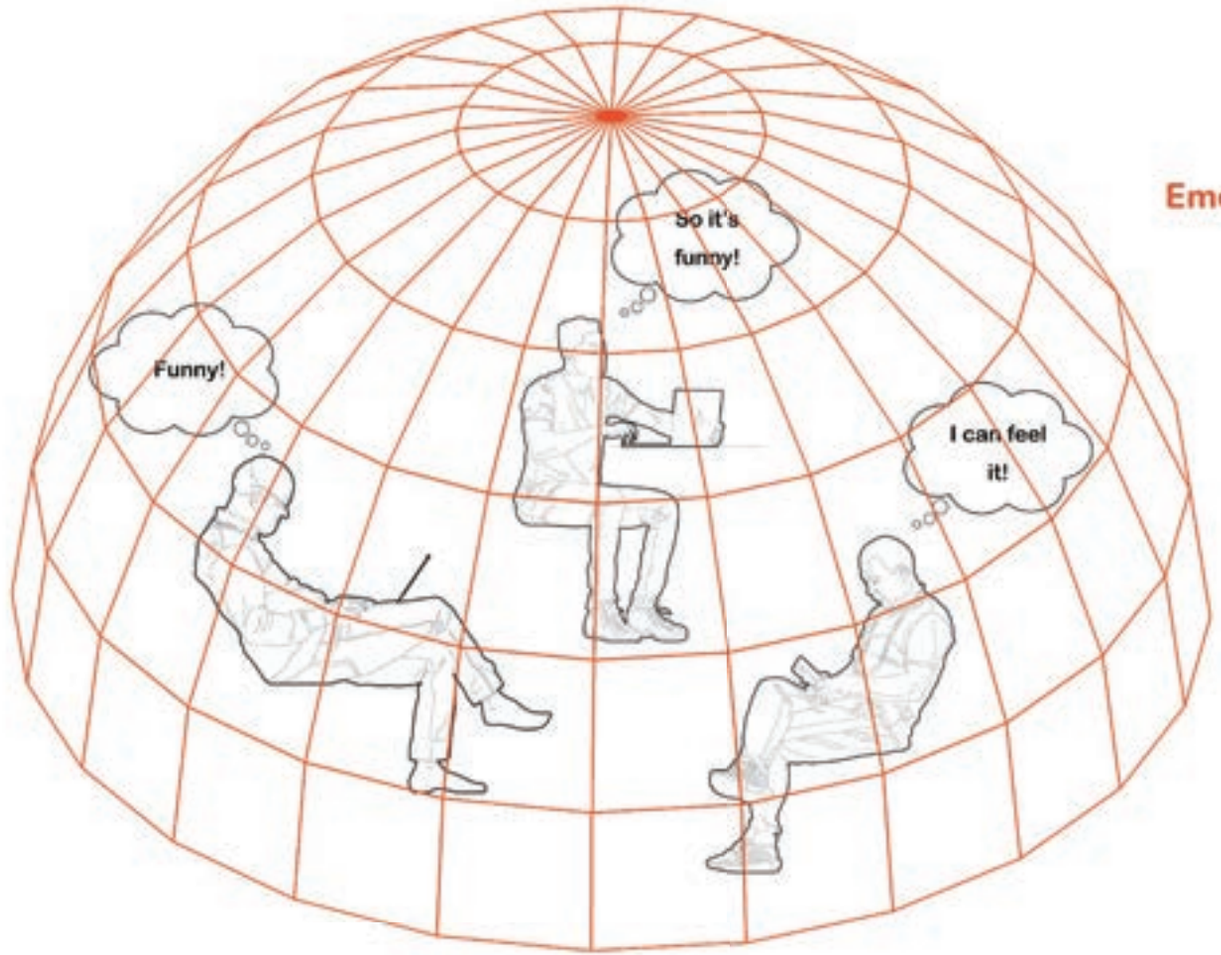
Your face

As screen

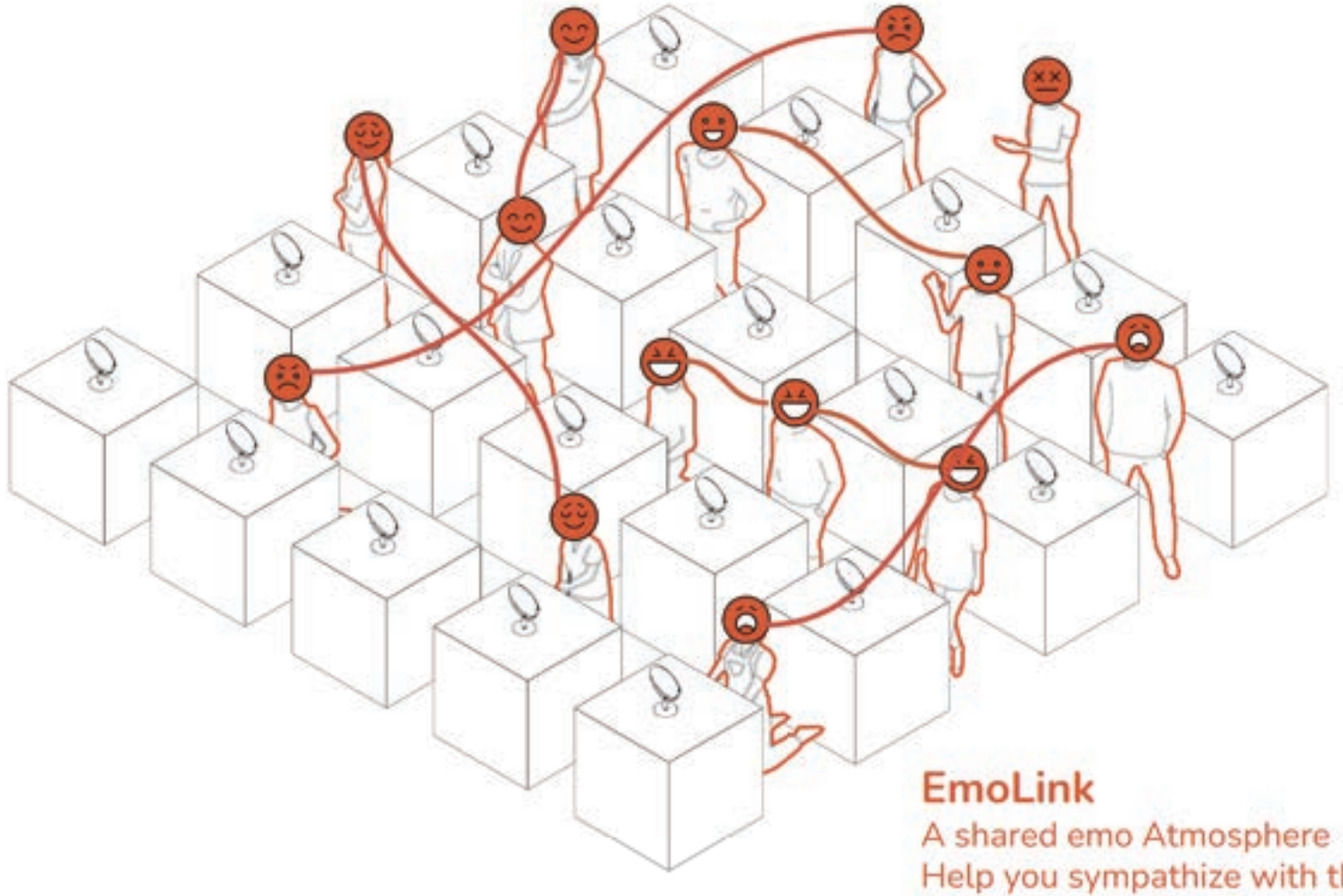
PRODUCT



FUTURE PROSPECT



EmoLink



EmoLink

A shared emo Atmosphere
Help you sympathize with the world