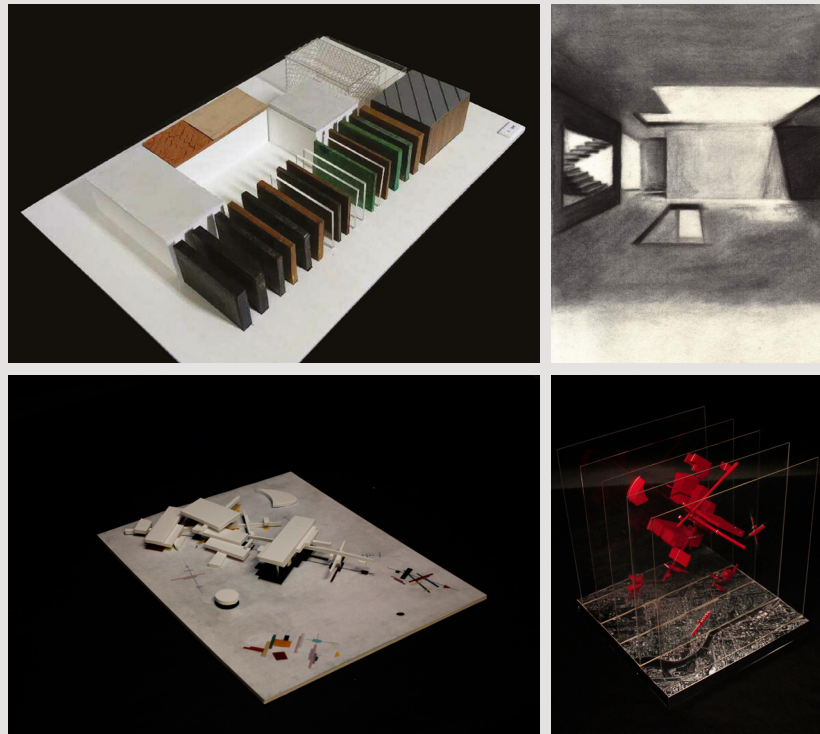


Architectural portfolio

Jin Woo Jung

GSAPP MSAAD 2023~2024

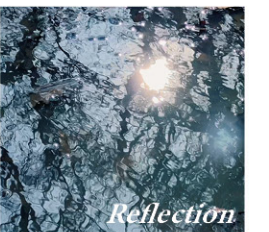
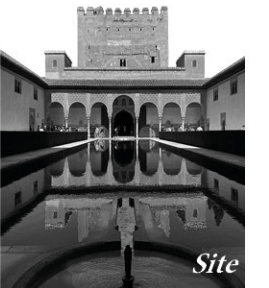


Research for the Materiality & Metaphors

My principal interest in architecture is the exploration of the narratives that form, material, and context make. Various interpretations and rich narratives at different levels enrich the spatial experience. Especially, materiality is the substance of sensory experience and the medium that attaches metaphorical meaning between physicality and context.

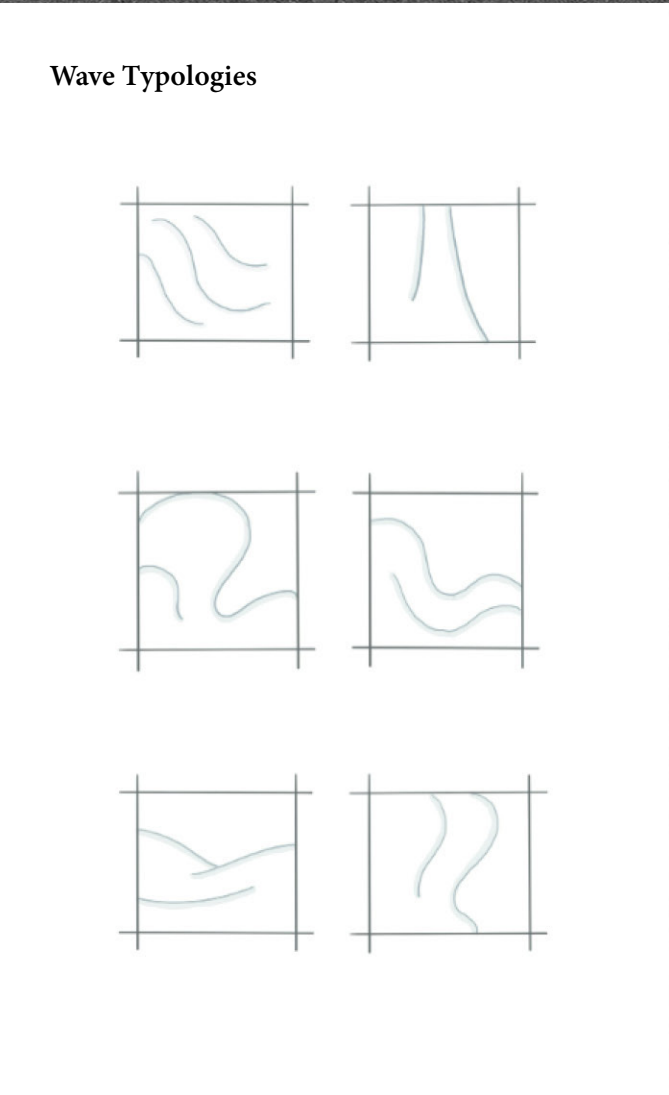
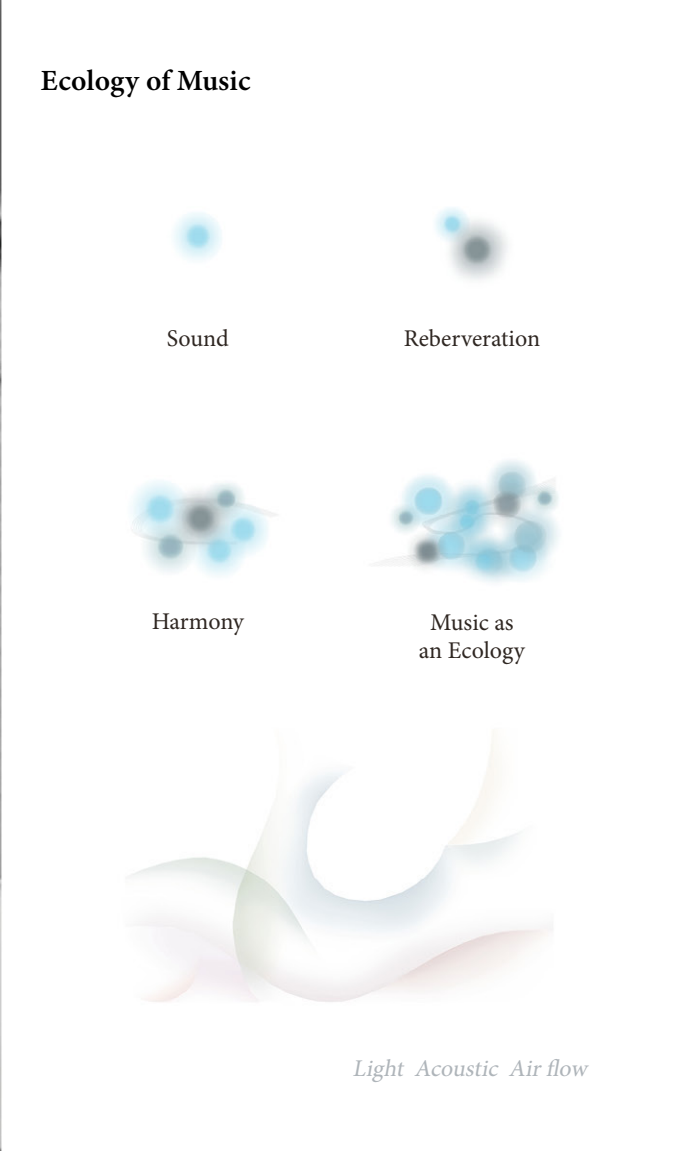
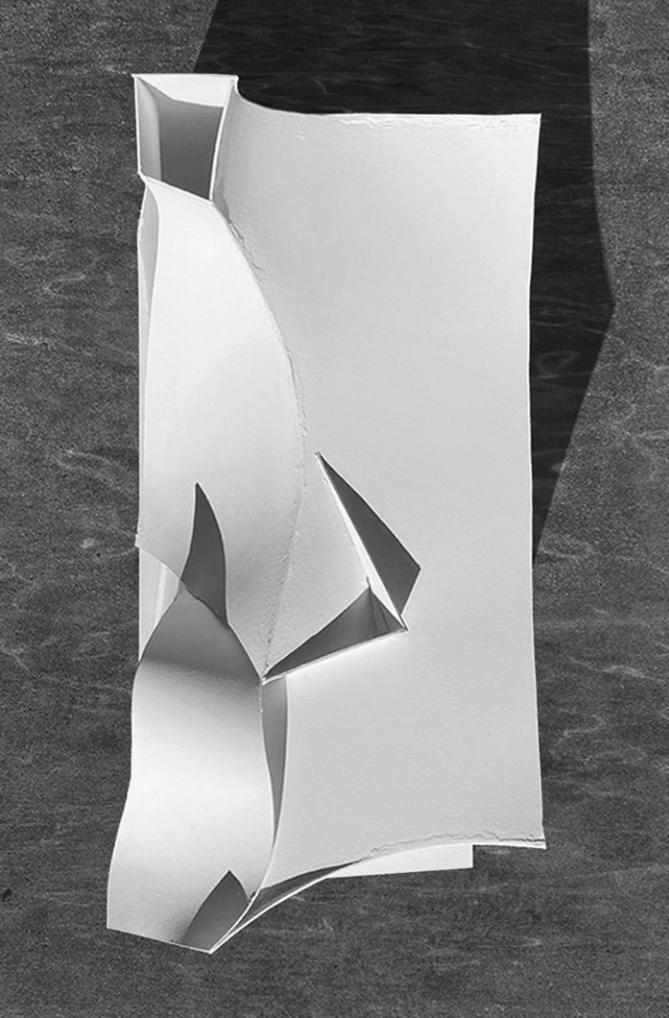
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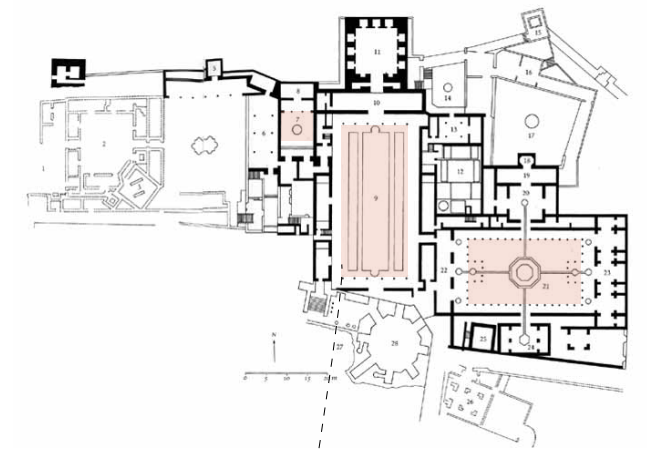
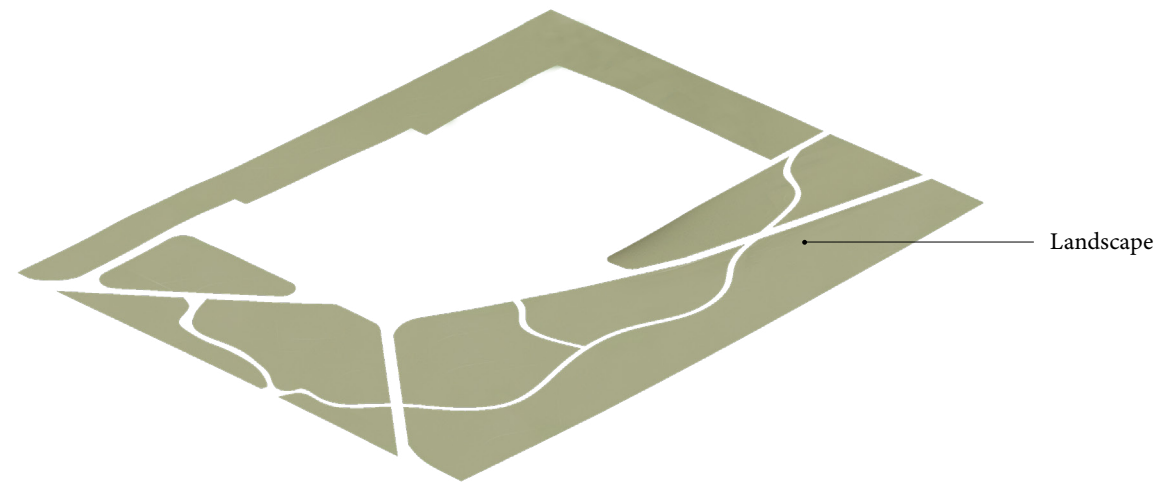
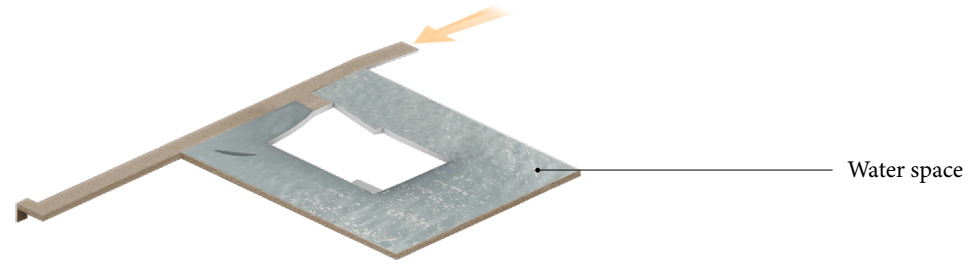
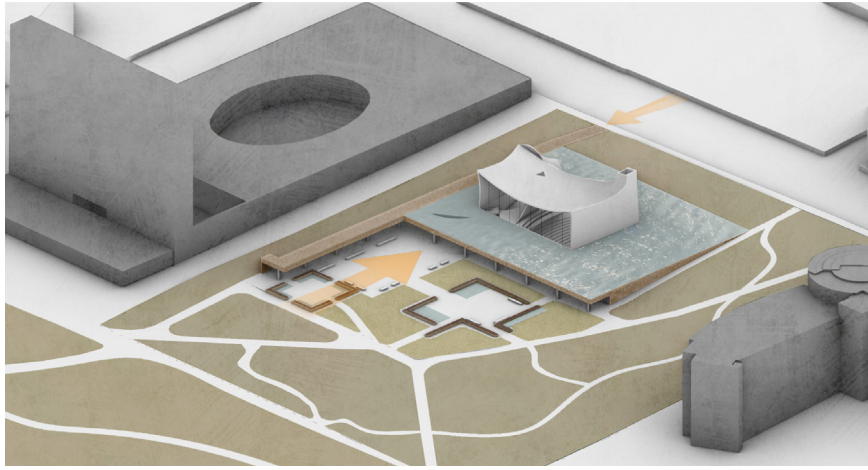
- 1. The Architectonics of Music**
The Music Chapel, Originated by Become Ocean, John Luther Adams *Academic Work*
- 2. The Bath House**
Utilizing Waste Heat Energy from Bio-Plastic Recycling Plants *Academic Work*
- 3. Ecological Infrastructures for Ospreys**
Redefining Wildlife Refugees in Jamaica Bay against Sea level Rise *Academic work*
- 4. Architecture Apropos Art 23**
Reinterpretation of Kazimir Malevich *Academic Work*



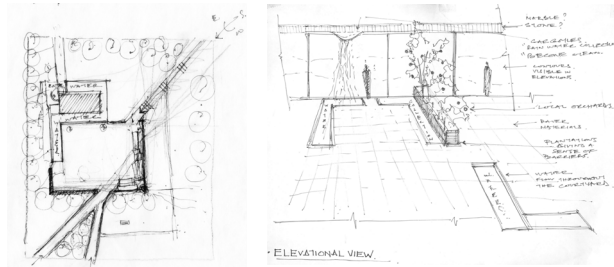
Architectonics of Music - The Music Chapel, Originated by **'Become Ocean'**
John Luther Adams

Academic work (GSAPP Studio VI)
Architectonics of Music Studio
Team work : Cowork with 1 member
Project duration : 2024.01.22~2024. 04.25
Program : Religious facility (Music Chaple)
Instructor : Steven Holl & Dimitra Tsachrelia





Alhambra Palace
Granada, Spain

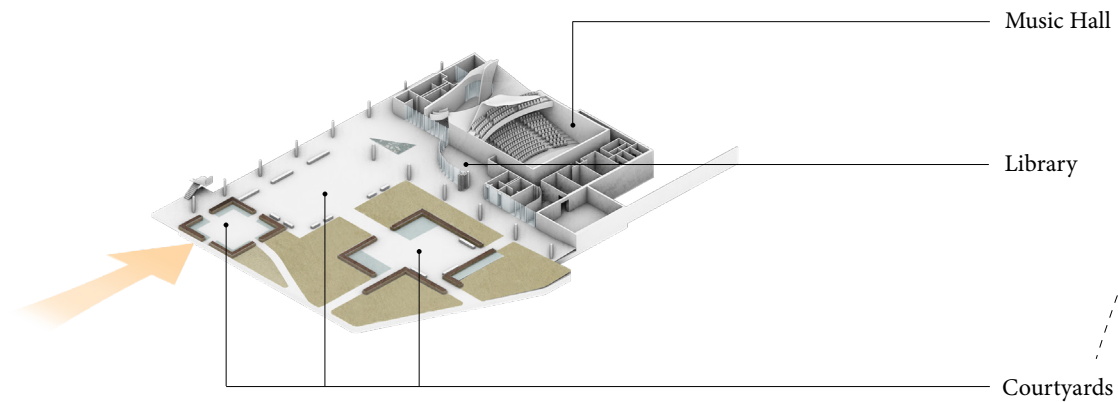


'Become Ocean' and Alhambra Palace

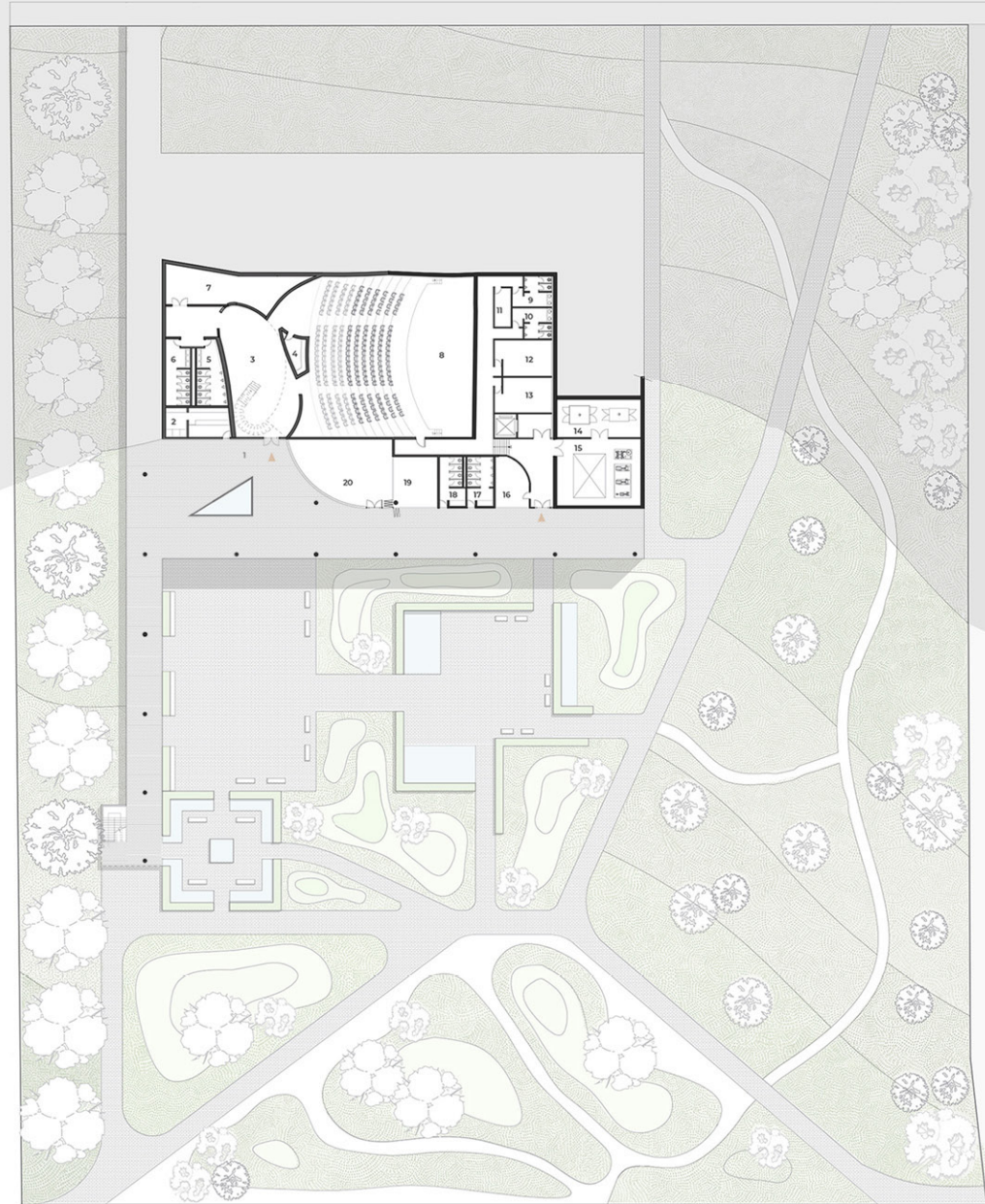
To transplant "Become Ocean" into the site of Granada, we have analyzed the scale of the courtyards and the exterior spaces of Alhambra Palace. The arcade-adjacent courtyard serves as a crucial transition space connecting the park and the music chapel.



Mist in Courtyard

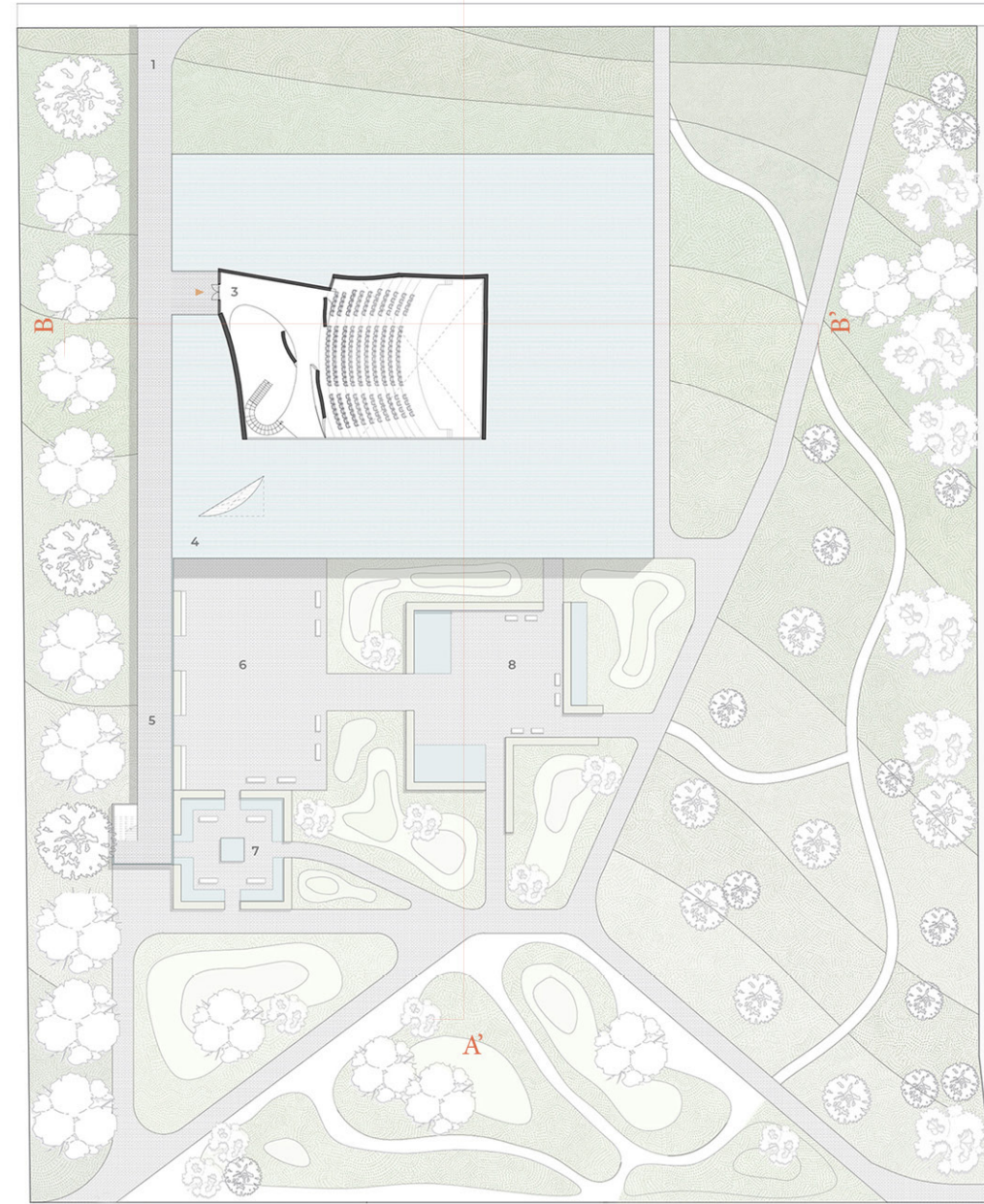


Plan



- 1 Entrance
- 2 Cafeteria
- 3 Lobby
- 4 Technical room
- 5 Mens washroom
- 6 Women washroom
- 7 Office
- 8 Auditorium
- 9 Mens washroom
- 10 Women washroom
- 11 Store room
- 12 Green room
- 13 Green room
- 14 Machine room
- 15 Rainwater harvesting room
- 16 Office
- 17 Men washroom
- 18 Women washroom
- 19 Conference room
- 20 Music library

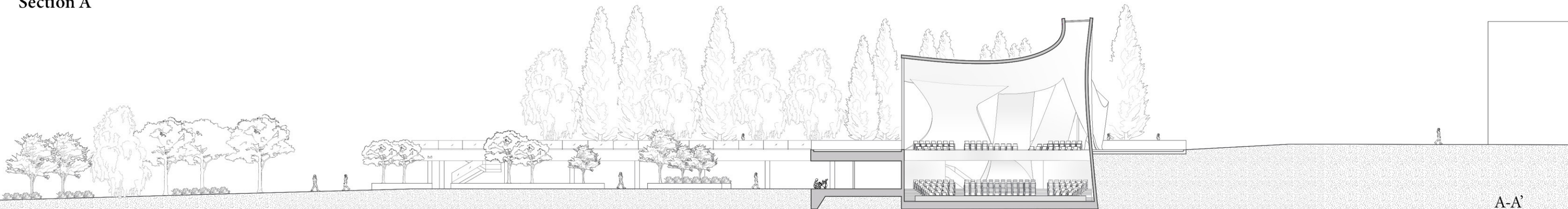
A



- 1 South entrance
- 2 North entrance
- 3 Entrance to the auditorium
- 4 Waterbody
- 5 Connecting bridge
- 6 Main courtyard
- 7 Small seating nook
- 8 Exhibition area



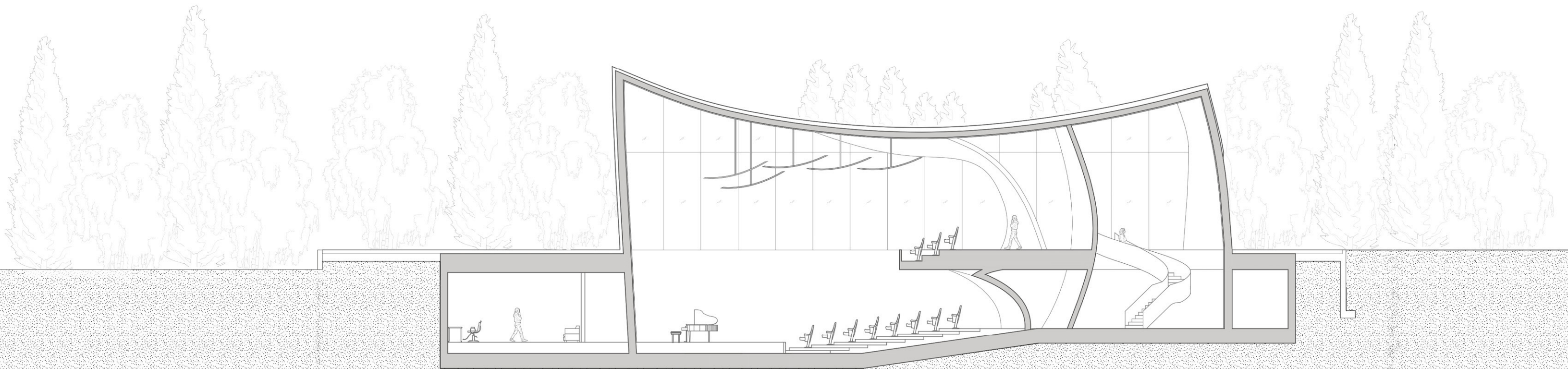
Section A

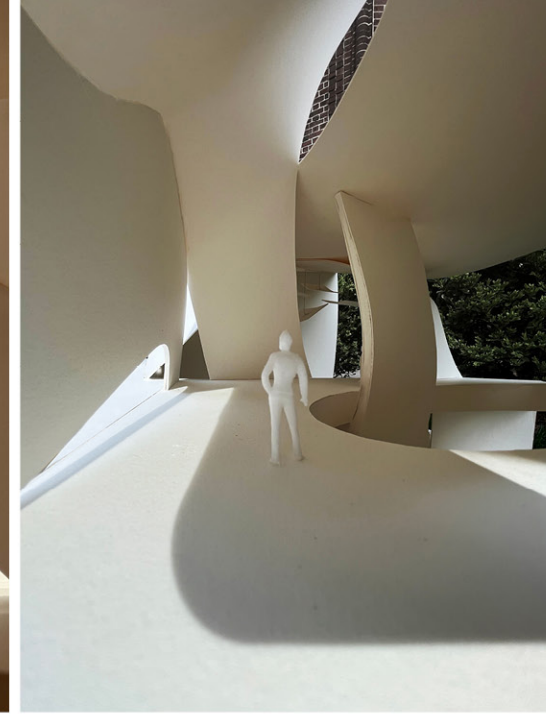


A-A'



Section B

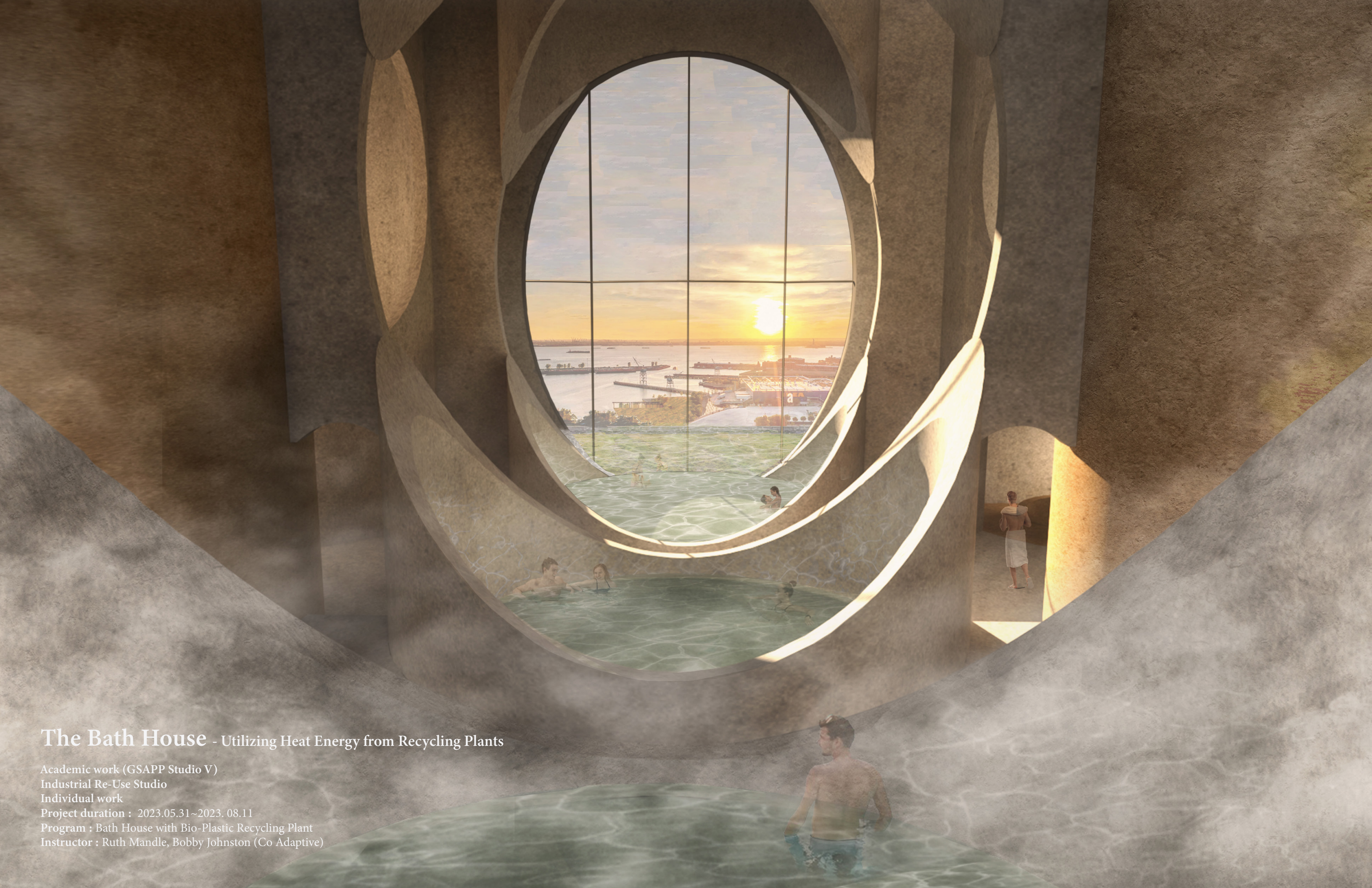




Sequence & Still Cuts of Final Video







The Bath House - Utilizing Heat Energy from Recycling Plants

Academic work (GSAPP Studio V)

Industrial Re-Use Studio

Individual work

Project duration : 2023.05.31~2023. 08.11

Program : Bath House with Bio-Plastic Recycling Plant

Instructor : Ruth Mandle, Bobby Johnston (Co Adaptive)

Adaptive Reuse Combining Community & Industry

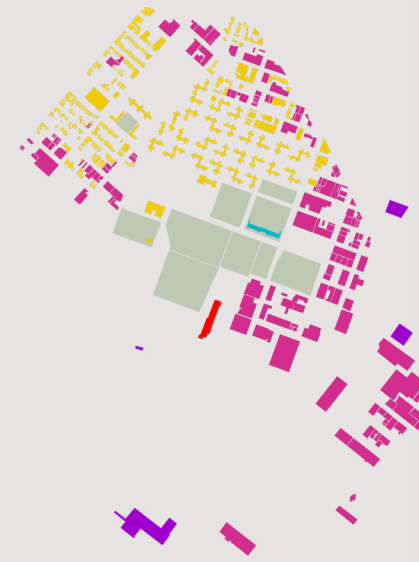
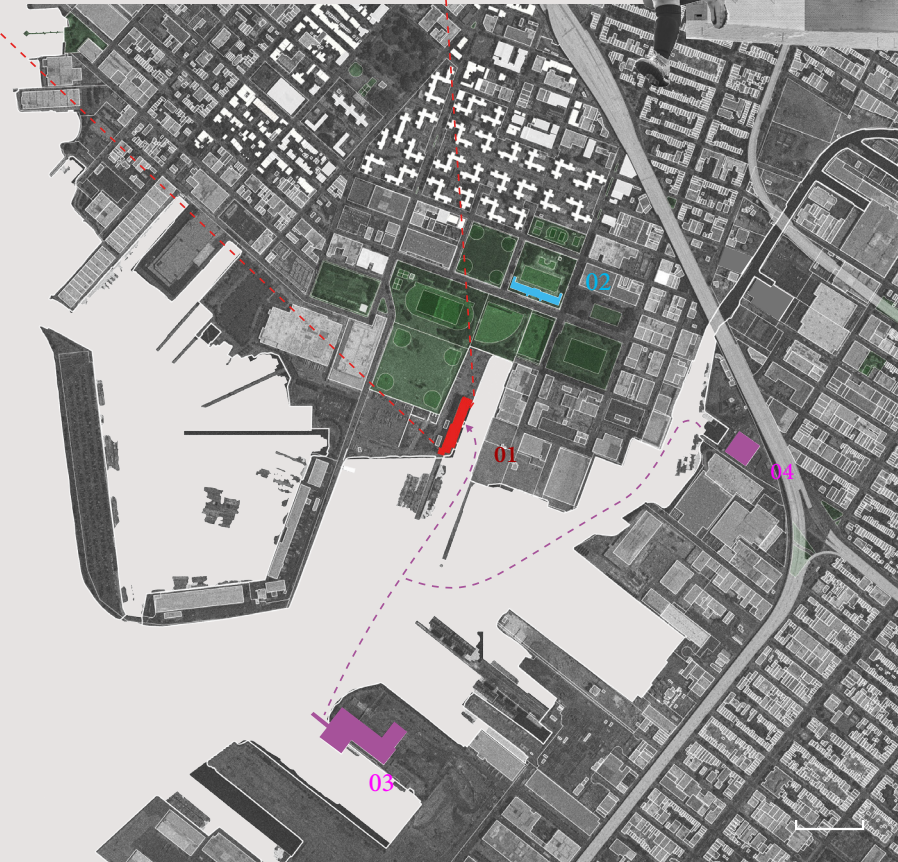
01 Red Hook Grain Terminal

Construction Year : 1922
 Program : Grain Storage for World War II
 Current Owner: John Quadrozzi Sr.



02 Red Hook Sports Field

Construction Year : 2019~2013
 Program : Sports Facility (A Ball Field, 9 Soccer Field, Swimming pool)
 Current Owner: Public facility



■ Residential facility ■ Industrial facility
■ Recycling facility ■ Sports Facility

03 Sunset Park Material Recovery Facility

Construction Year : 2013
 Program : Industrial Facility (Analyzing for Recycling)
 Current Owner: NYC government (Public Facility)

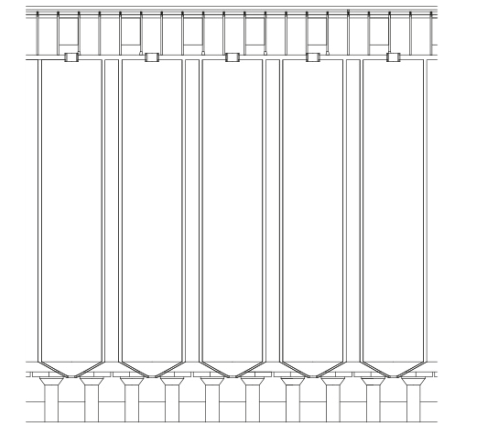
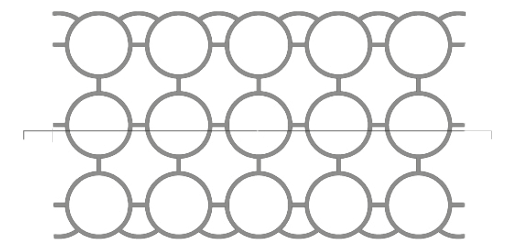
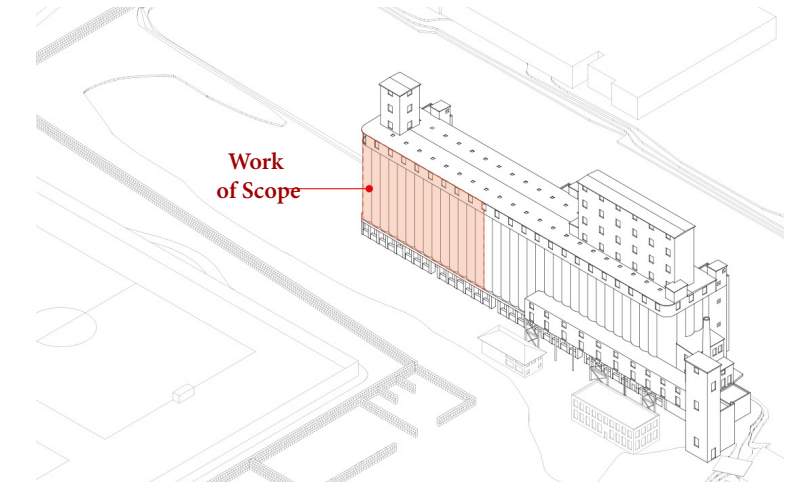


04 Hamilton Avenue Marine Transfer Station

Construction Year : 2017
 Program : Industrial Facility (Analyzing for Recycling)
 Current Owner: NYC government (Public Facility)

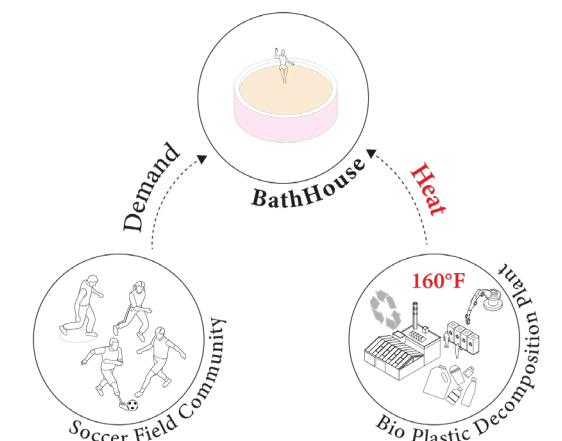


Abandoned Industrial Facility



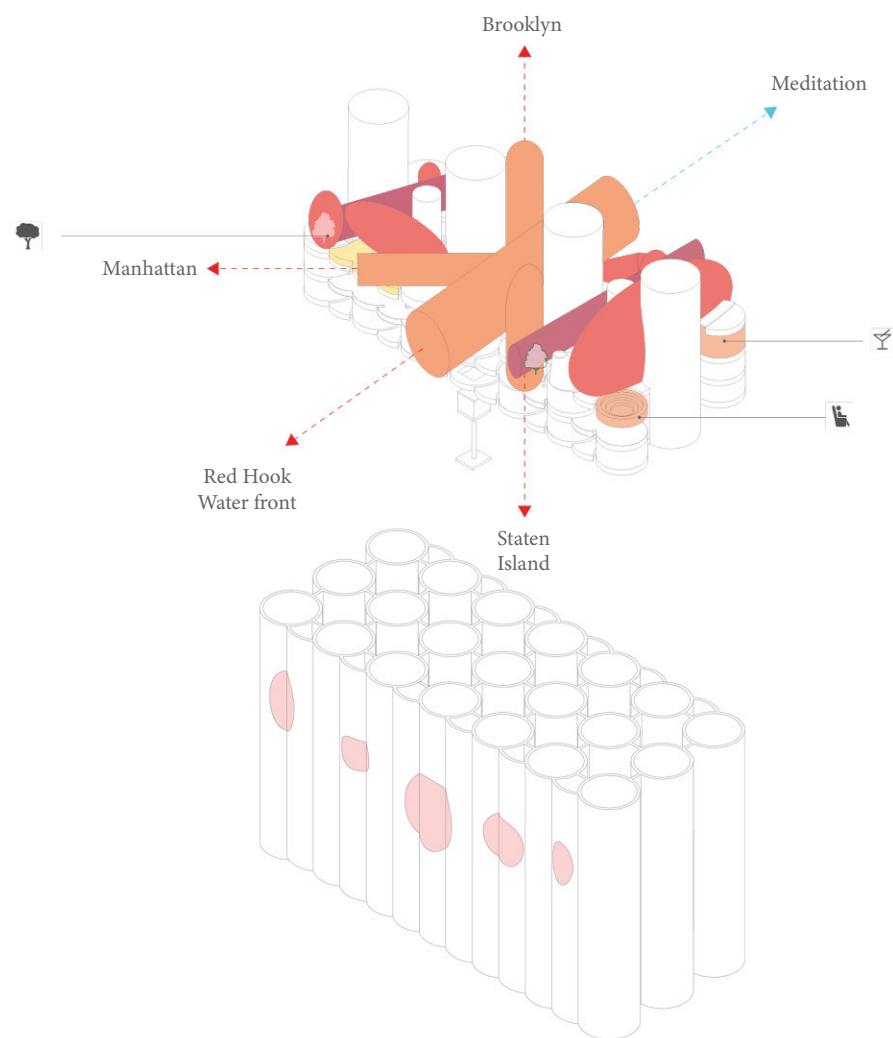
0 18ft

Redifining Relationship with Heat Energy





Cutting Strategy: Urban View & Tree as a Circulation Indicator



- Space Use (Public, Pool)
- Urban View Point
- Tree as an Indicator



Meditation Space
(Newly added)

Rest Area
(Newly added)

Bar for Beverage
(Newly added)

Rest Area
(Newly added)

Navigating Silos: Verticality

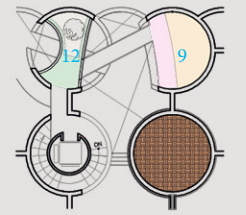
Through main circulation routes, users will experience various spatial encounters with vertical silos. Additionally, they will encounter spaces with a dual-tone palette through the new structures made of earth concrete.

- | | |
|-----------------------|-----------------|
| 1. Bath Tub | 5. Massage Room |
| 2. Meditation Space | 6. Sun bed room |
| 3. Stairs (Rest area) | 7. Terrace |
| 4. Dressing Room | 8. Bar |

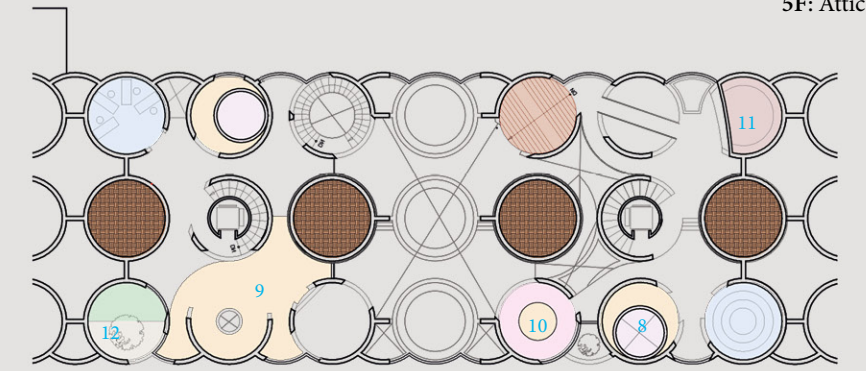
Program Modules & Plan: Utilizing Circular Plan



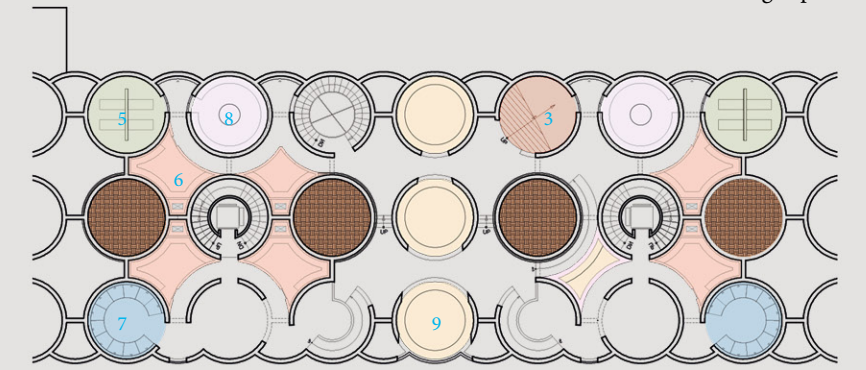
- | | | |
|-----------------------|--------------------|-------------------------|
| 1. Bath Tub | 6. Sauna | 11. Bar |
| 2. Meditation Space | 7. Shower Room | 12. Terrace |
| 3. Stairs (Rest area) | 8. Meditation Room | 13. Machine room |
| 4. Dressing Room | 9. Rest Room | 14. Decomposition Plant |
| 5. Massage Room | 10. Foot Bath | 15. Elevator Hall |



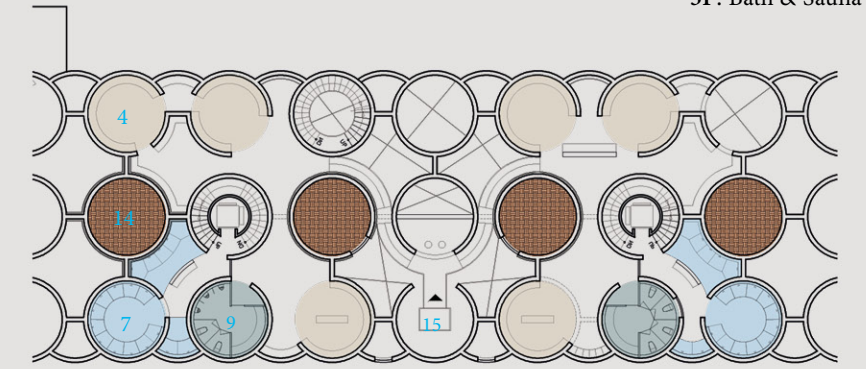
5F: Attic



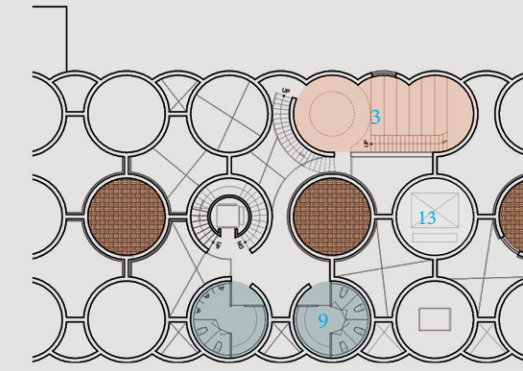
4F: Large Spaces



3F: Bath & Sauna



2F: Lobby Floor

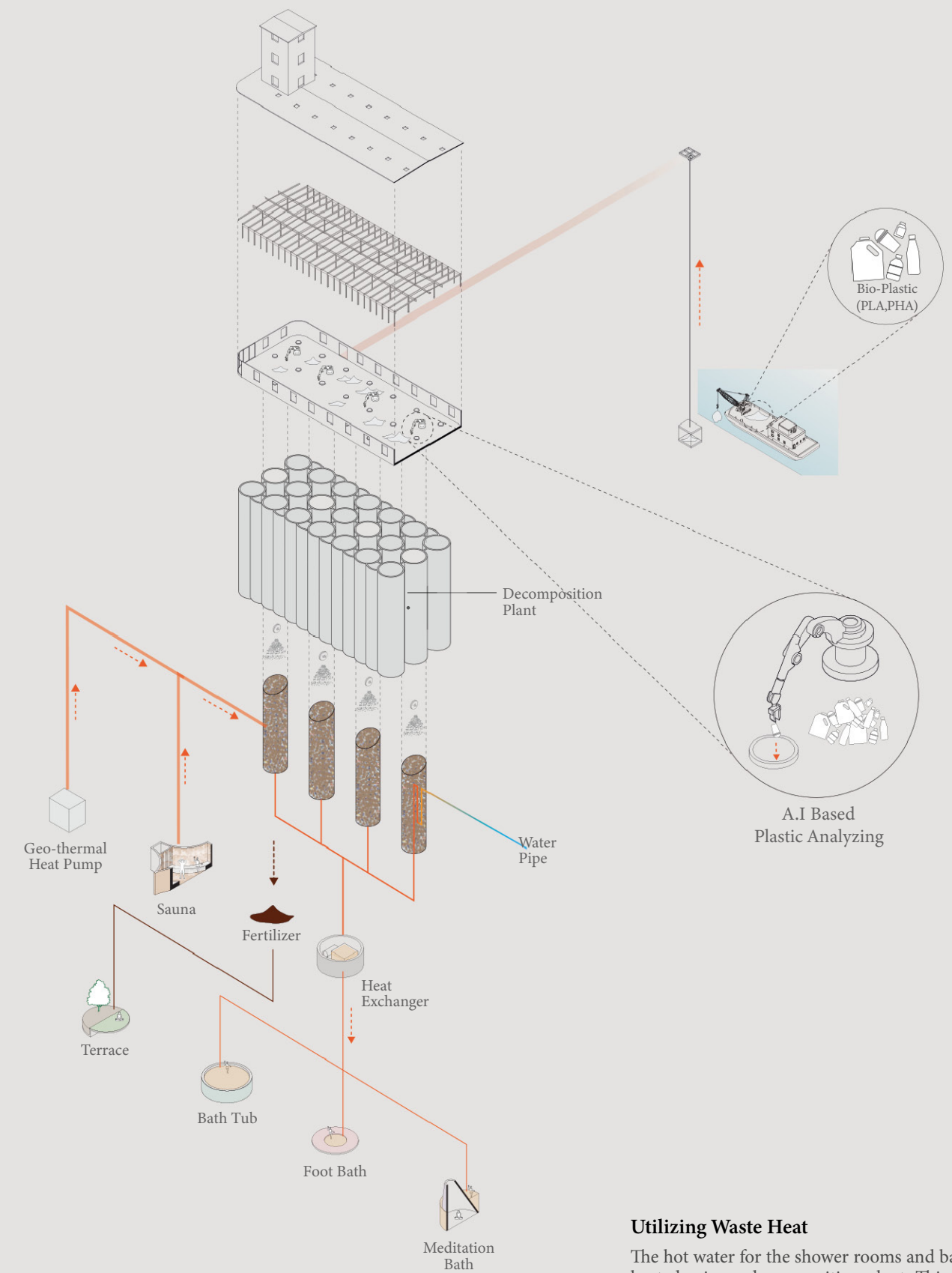


1F: Rest area





Utilizing Heat Energy from Decomposition Plant



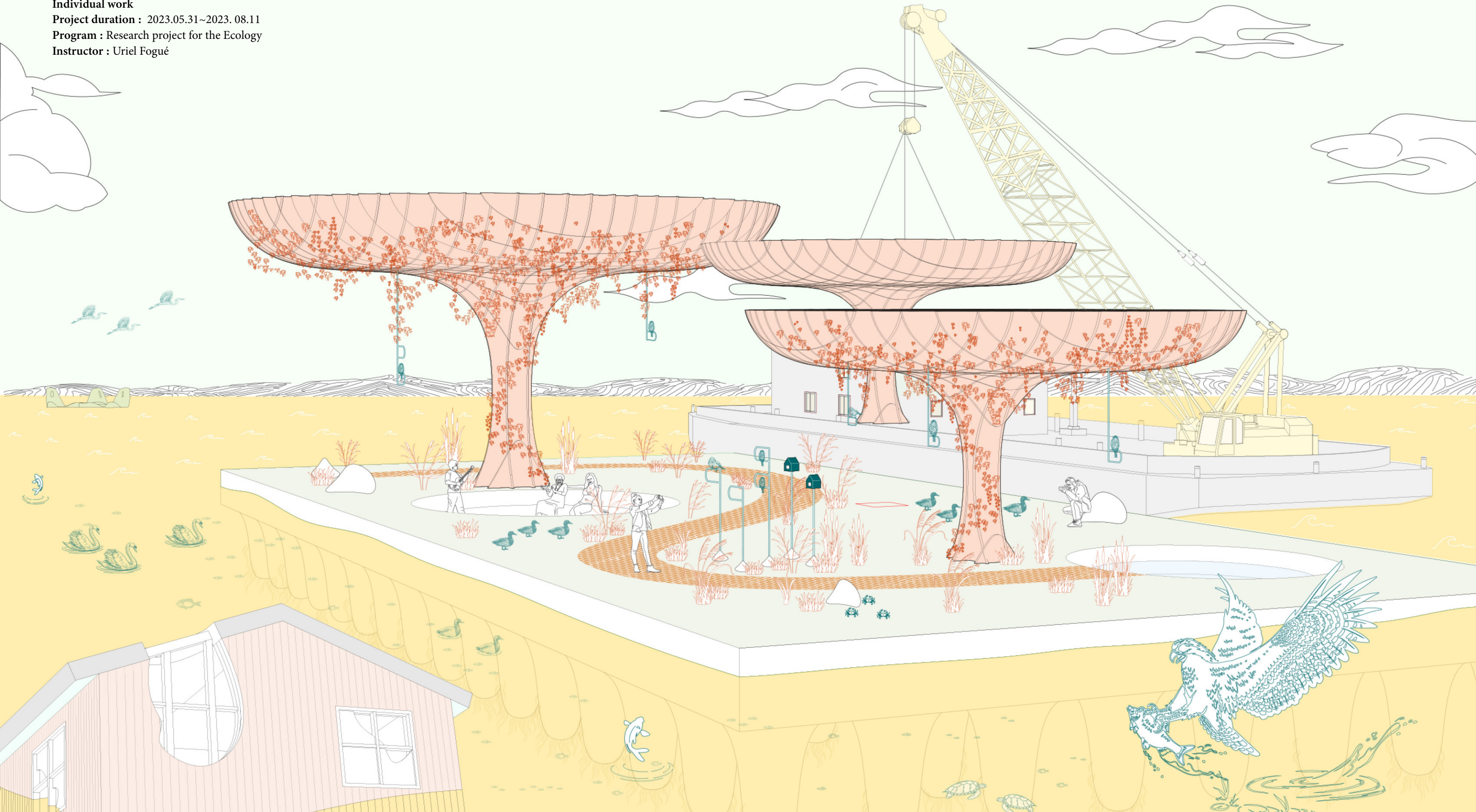
Utilizing Waste Heat

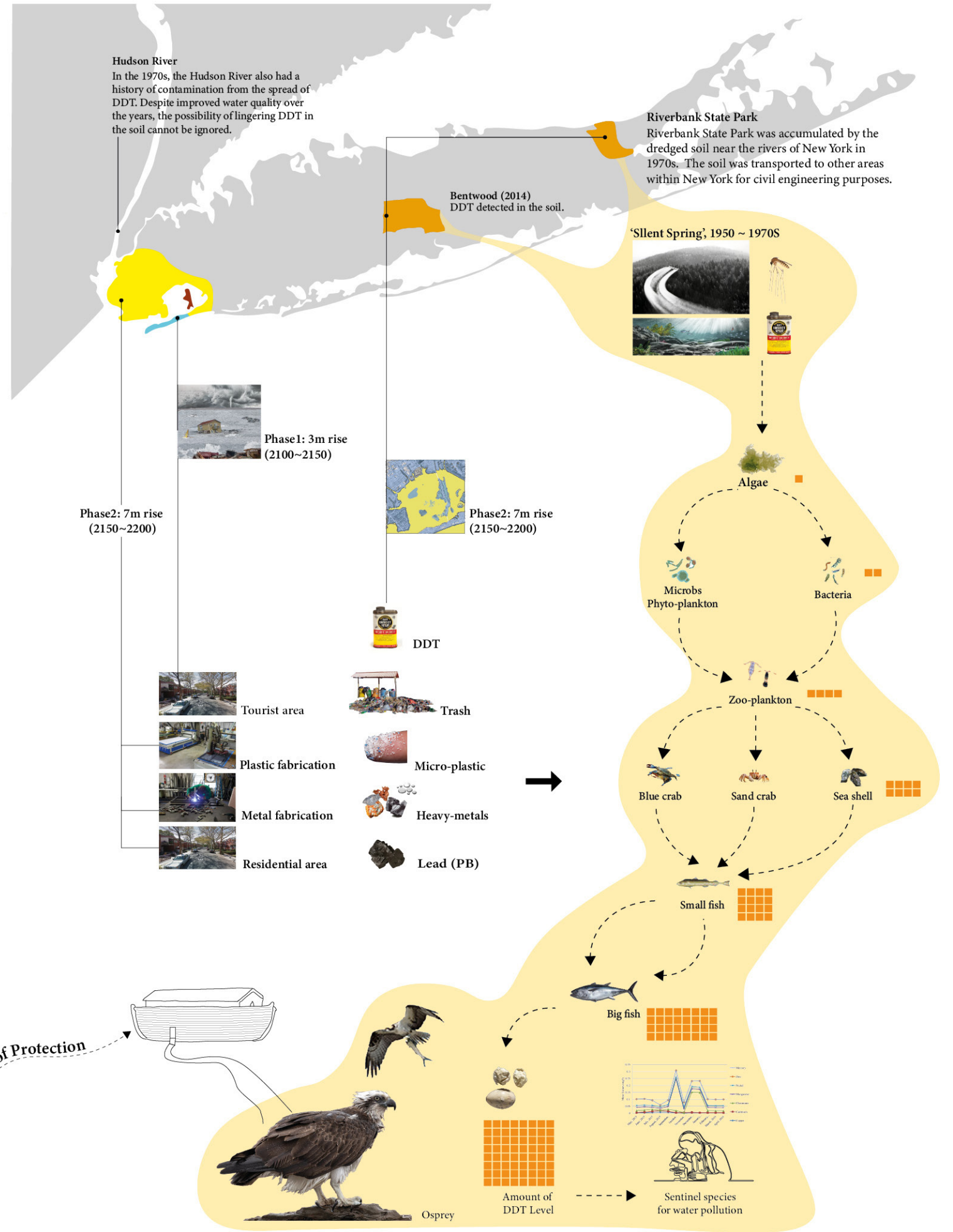
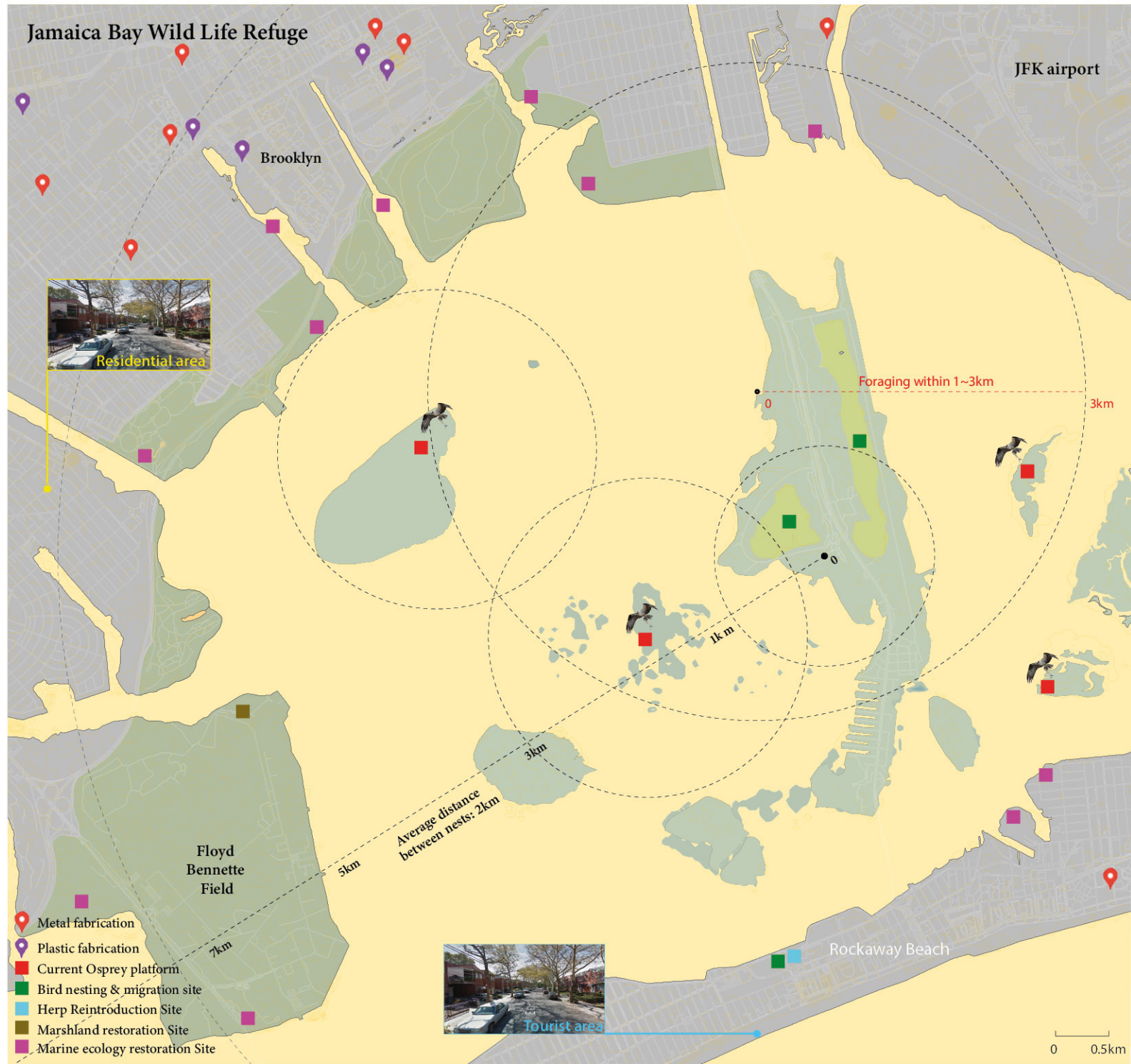
The hot water for the shower rooms and baths is heated using a decomposition plant. This plant, along with the heat exchanging device, functions similarly to a boiler for warming water.

Ecological Infrastructures for Ospreys

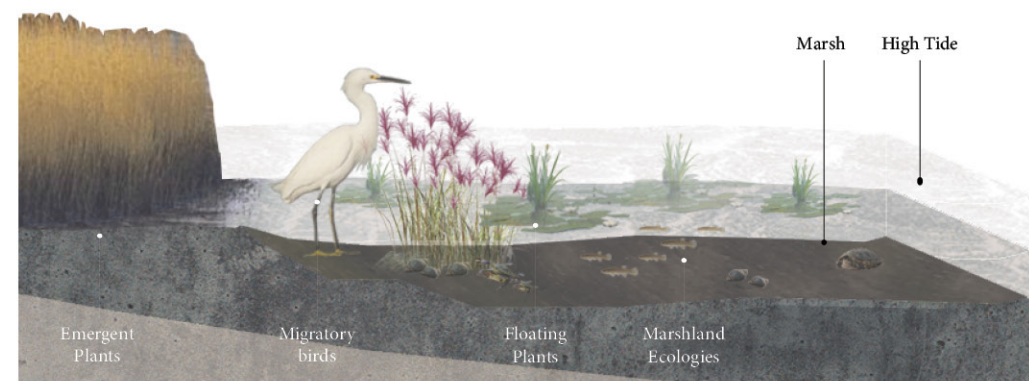
- Redefining Wildlife Refugees in Jamaica Bay against Sea level Rise

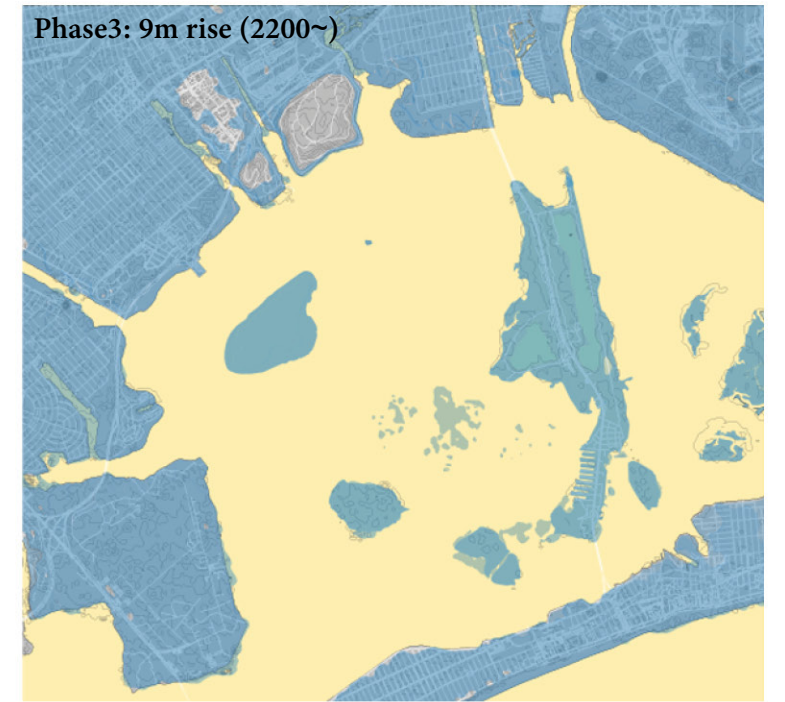
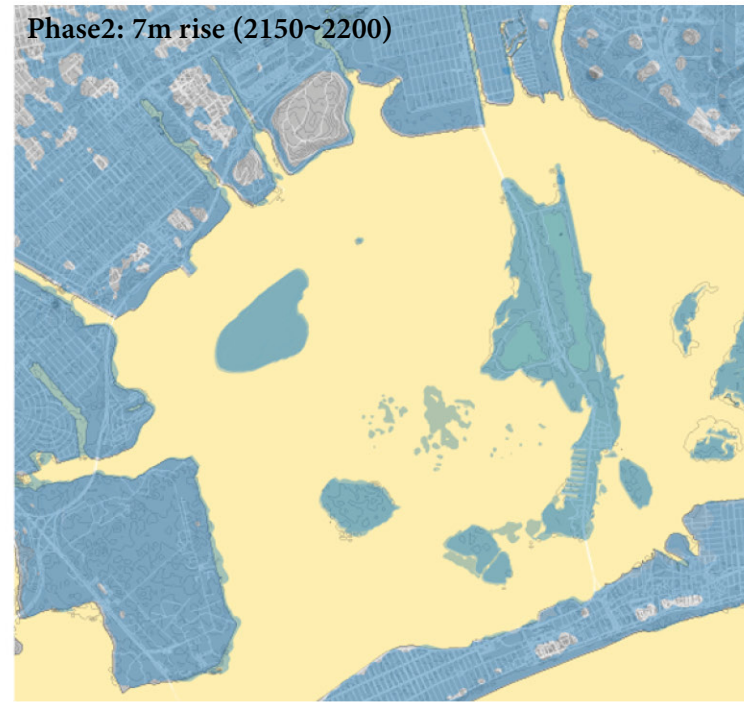
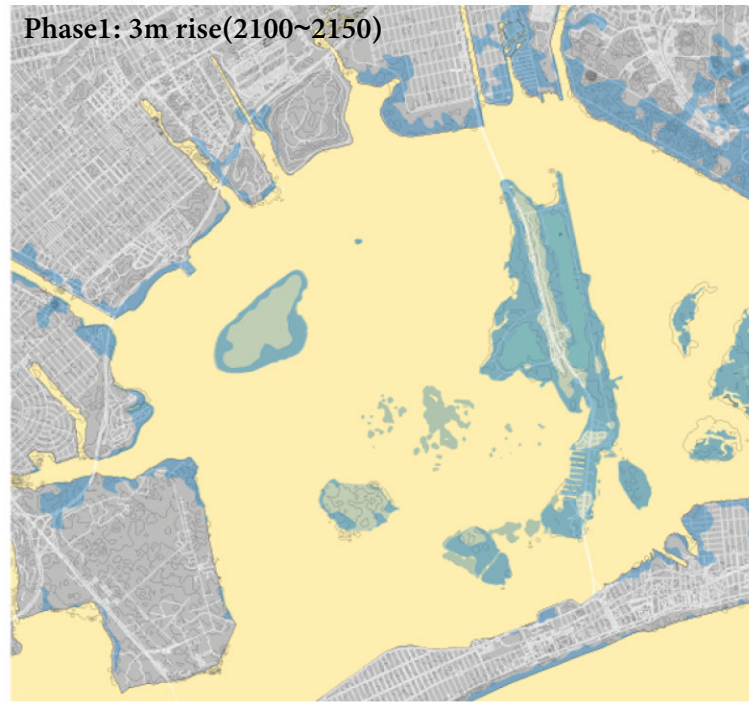
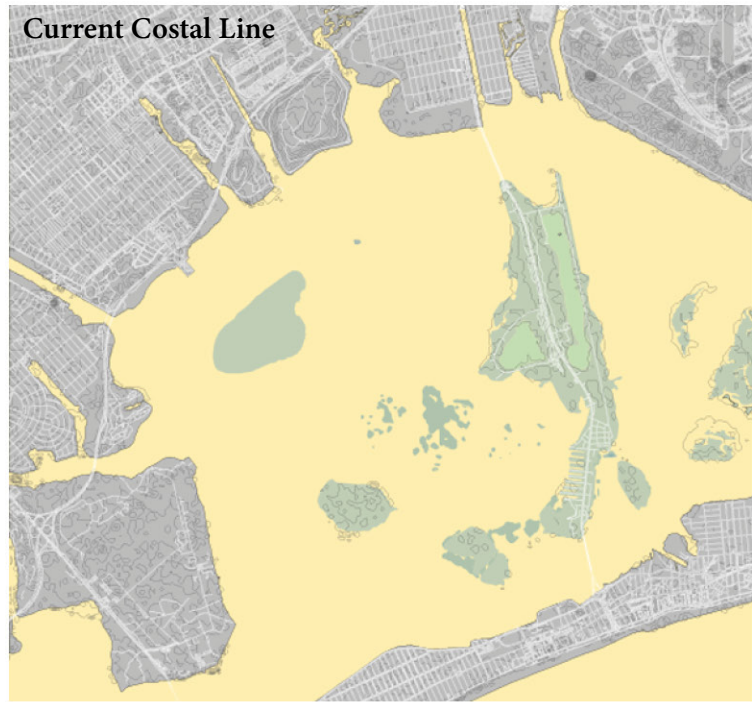
Academic work (GSAPP Advanced Design Studio)
Research for Atlas of Architectures for the End of the World
Individual work
Project duration : 2023.05.31~2023. 08.11
Program : Research project for the Ecology
Instructor : Uriel Fogué



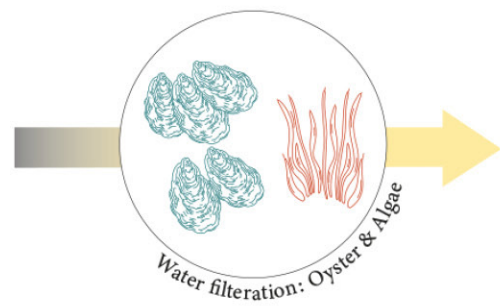
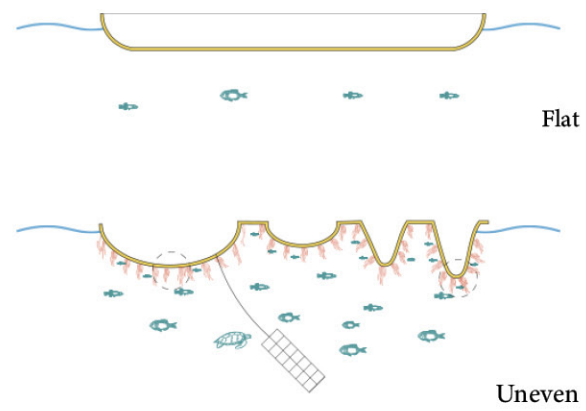


Marsh Land Ecology



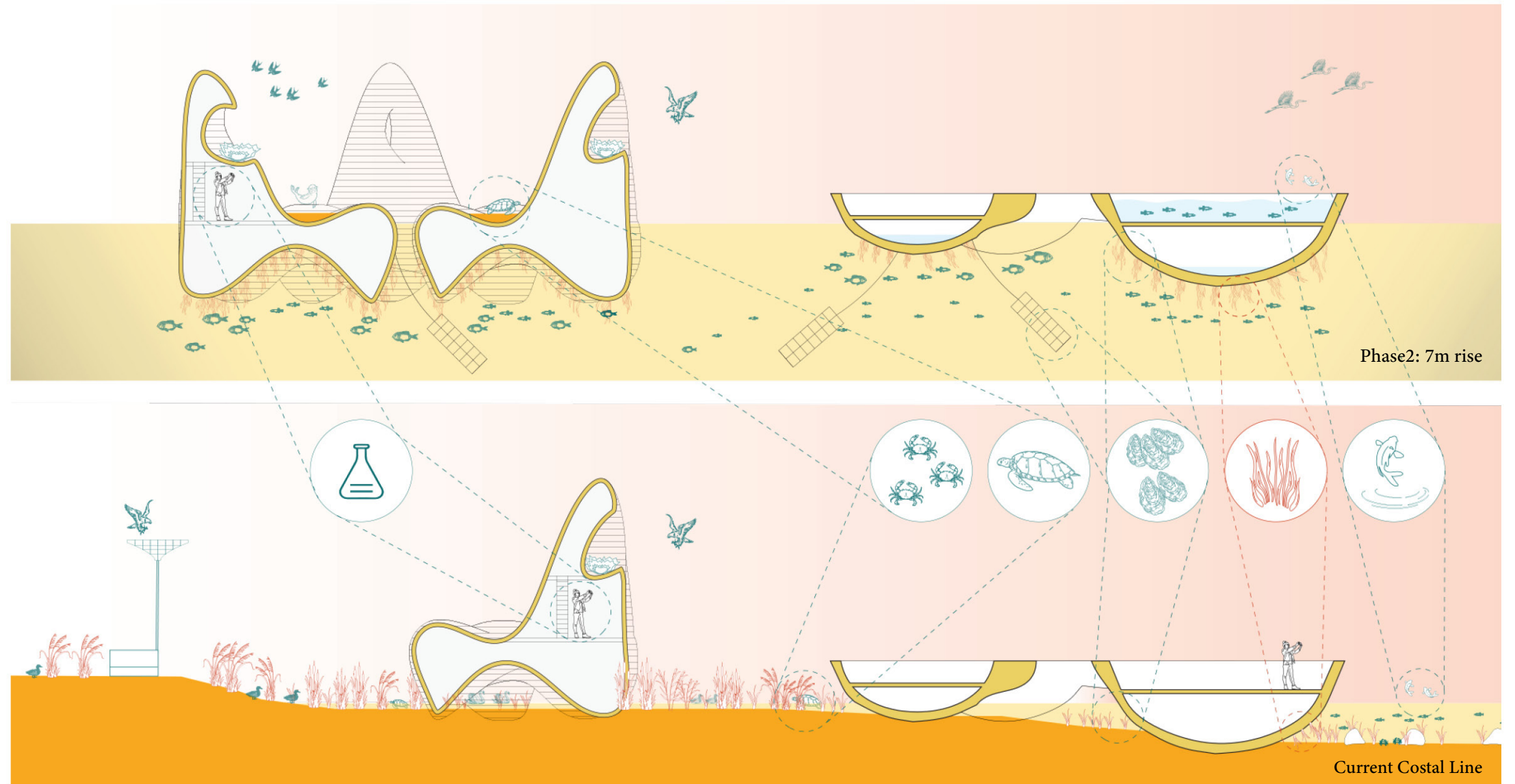


Floating Strategy

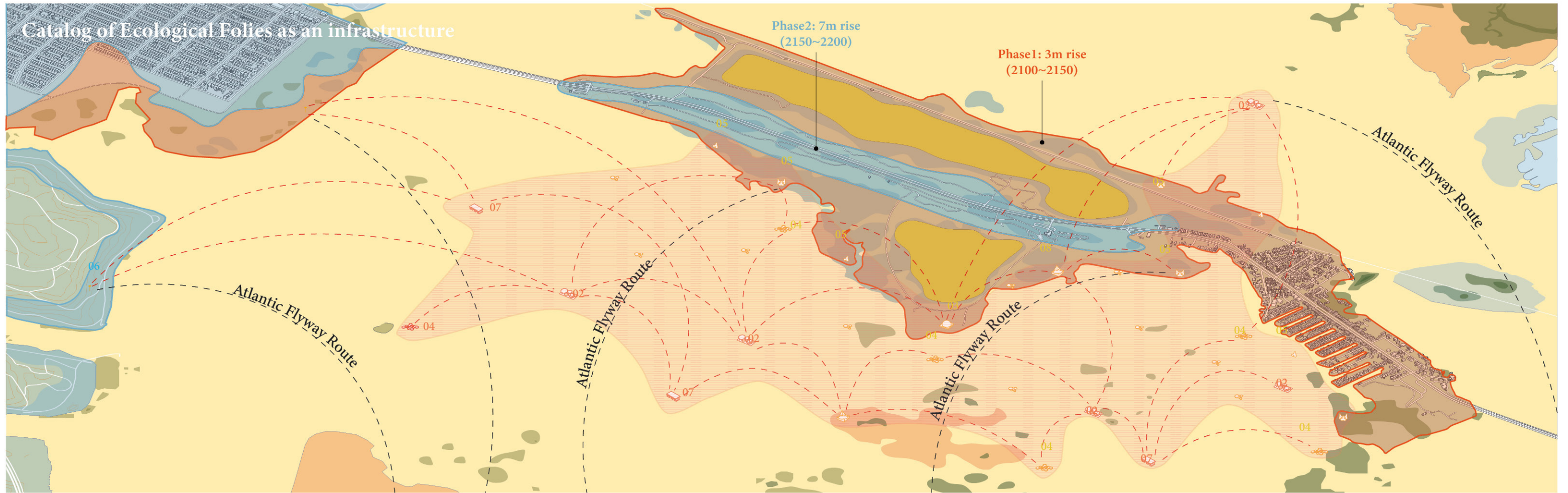


Ecological Filters : Uneven bottom design

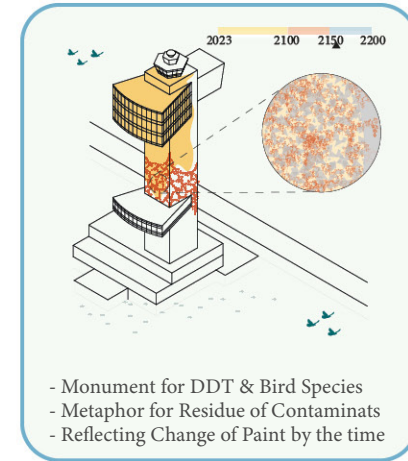
The uneven bottom design will provide the base of algae and oyster ecology. These two elements provide not only just fundamental food resources but also filtered water environments for the marine ecosystem against the water pollutants. Therefore, floating structures can be an infrastructure to adapt to the end of nature.



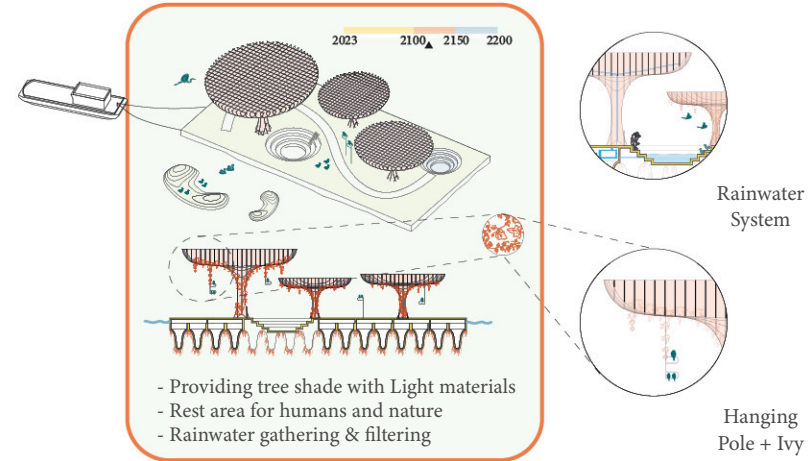
Current Costal Line



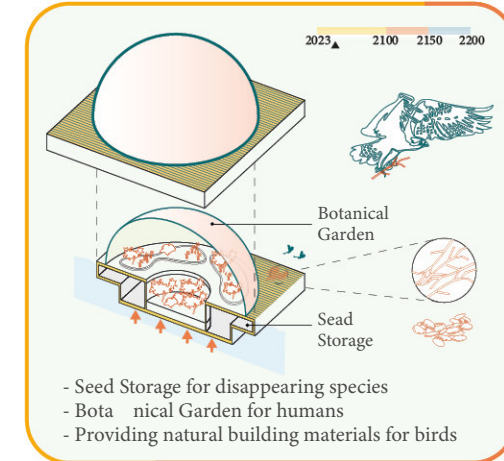
01 DDT Monument



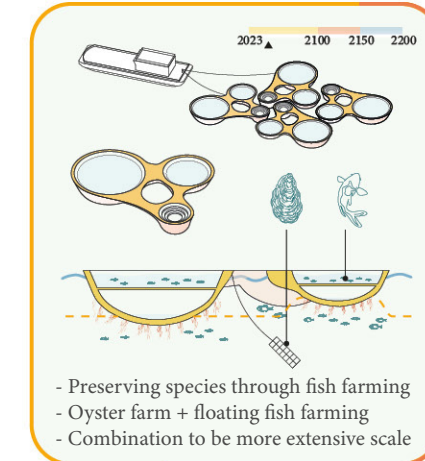
02 Artificial Tree Park



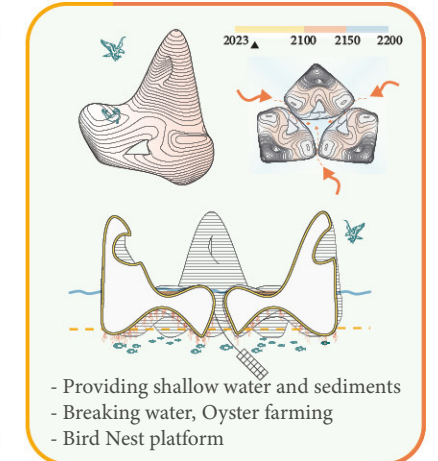
03 Seed Storage & Botanical Garden



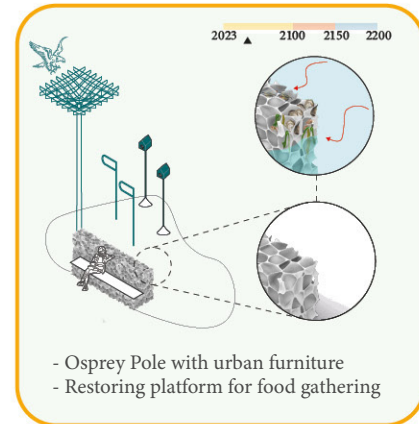
04 Fish Farming



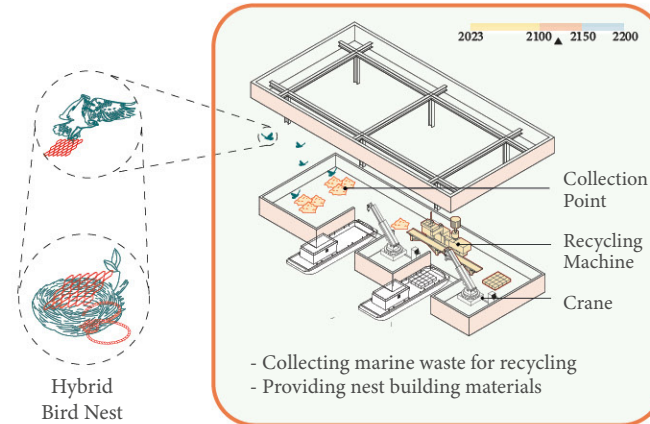
05 Marshland Restoration



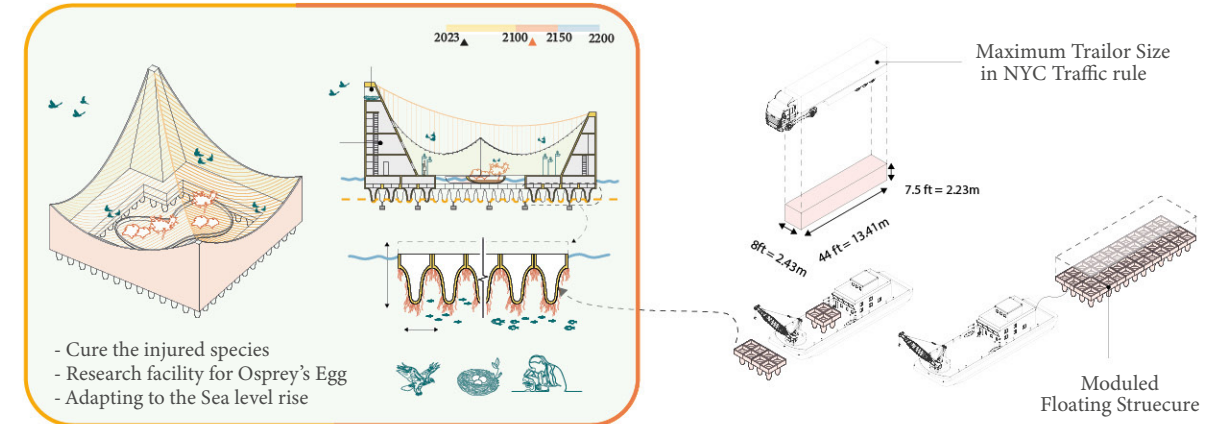
06 Osprey Pole



07 Waste Analyzing



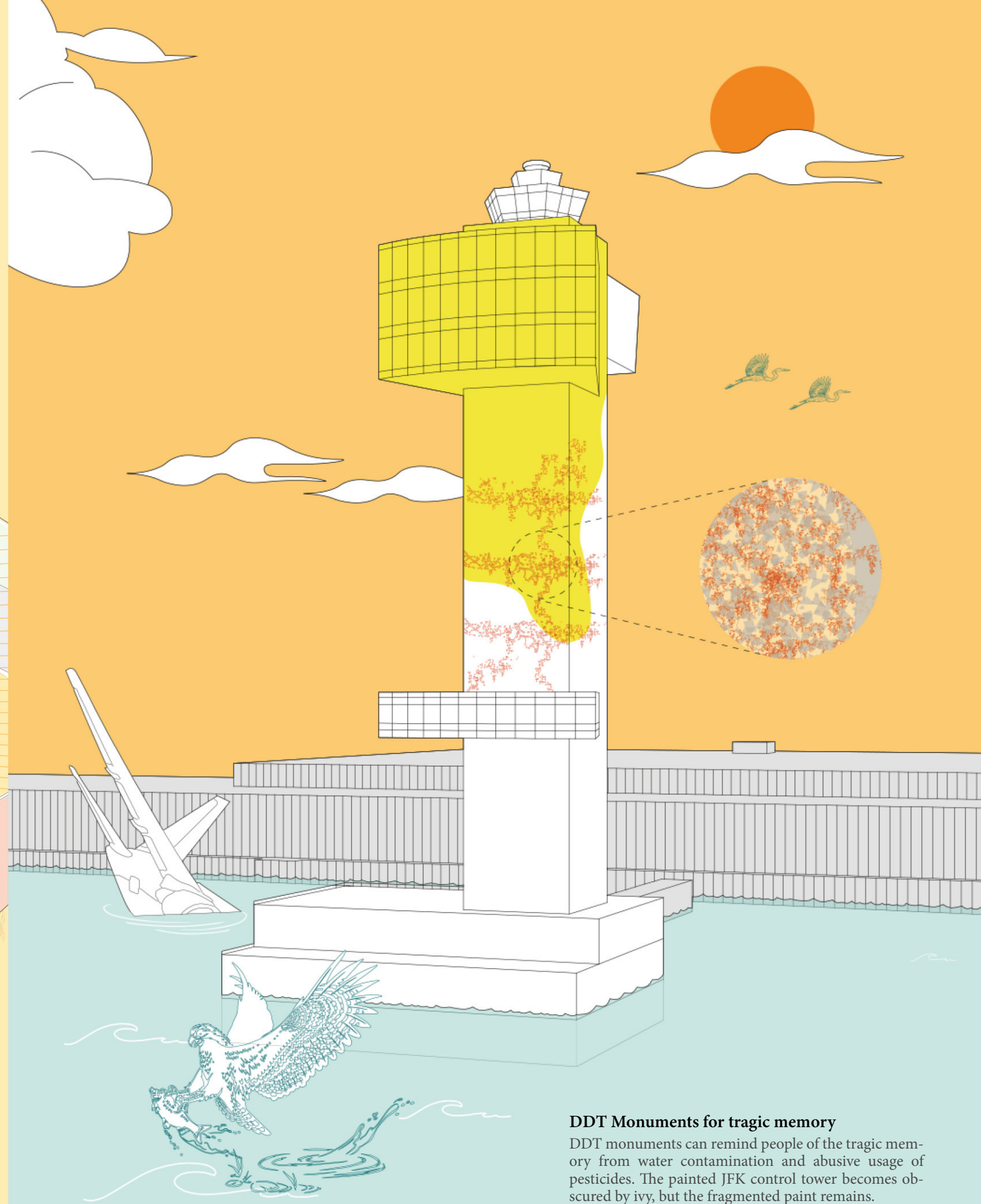
08 Bird Hospital





The hospital for migratory birds

The bird hospital cares for the injured migratory birds, serving the function of research to investigate the level of contamination. This hospital has a floating structure to adapt sea level rise with the bottom part provides the base for the ecosystem.



DDT Monuments for tragic memory

DDT monuments can remind people of the tragic memory from water contamination and abusive usage of pesticides. The painted JFK control tower becomes obscured by ivy, but the fragmented paint remains.

Architecture Apropos Art 23 - Reinterpretation of Kazimir Malevich 'Suprematist Composition No.56'

Academic work

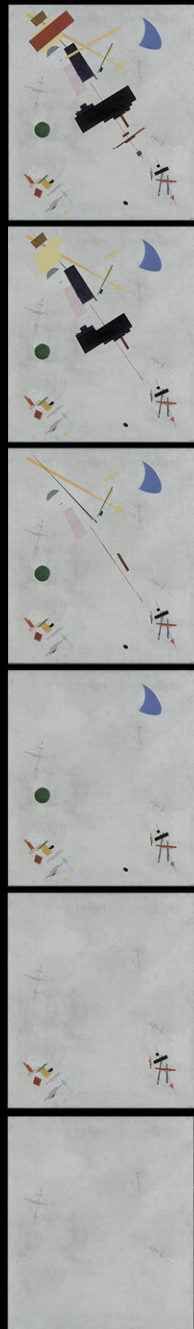
Seminar for translating Art Work into Architectural Language

Individual work

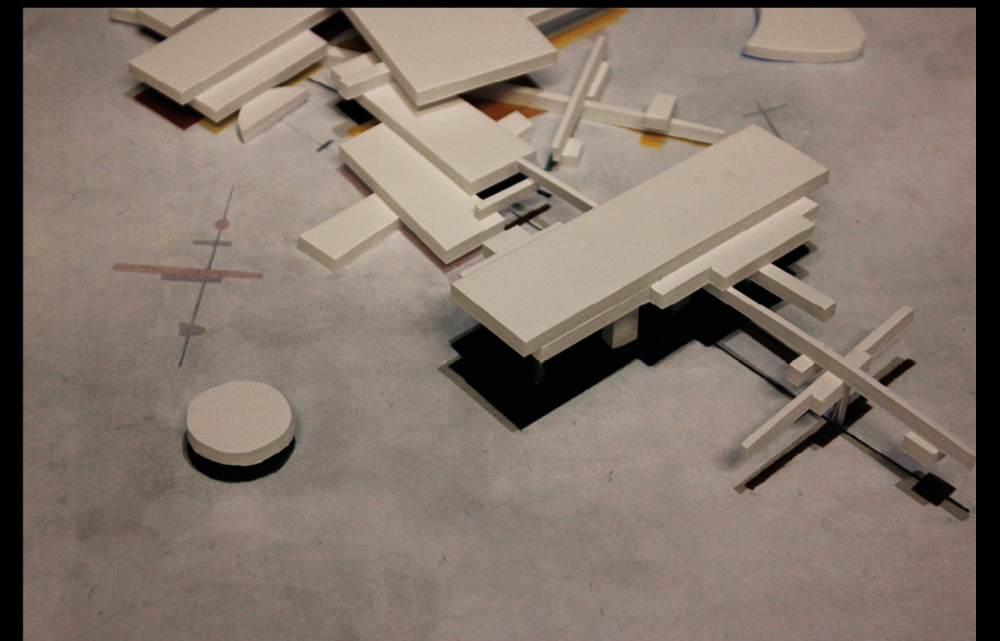
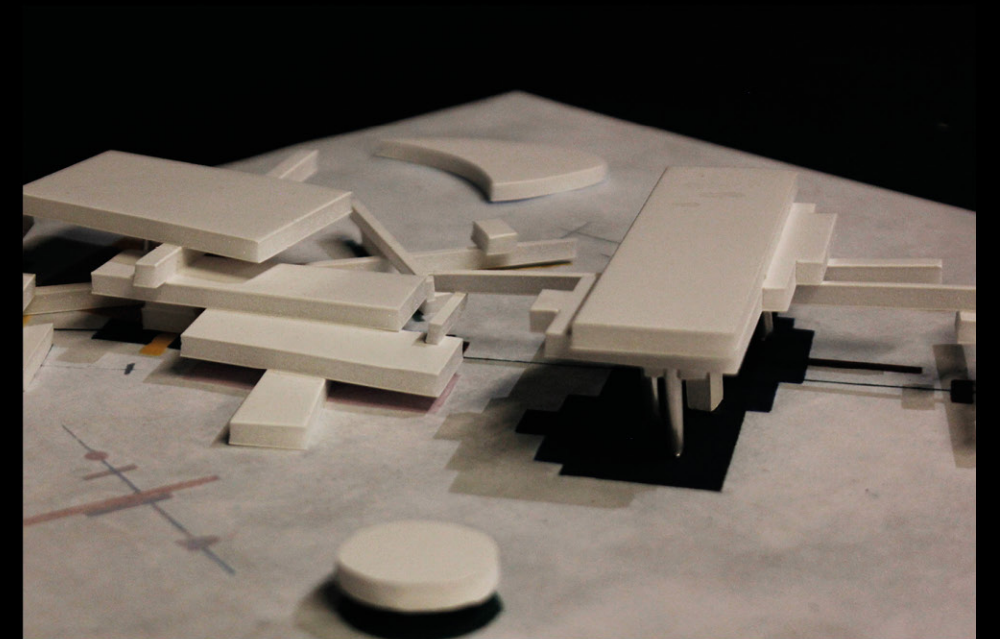
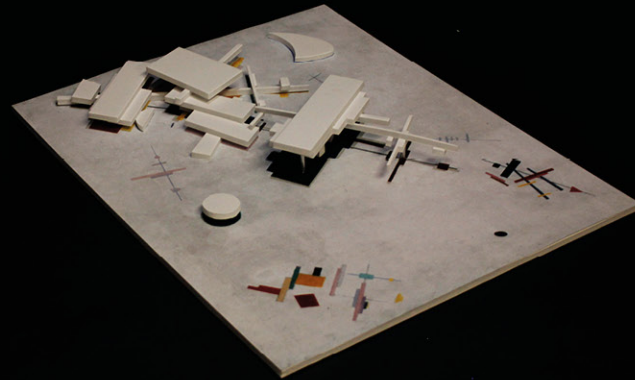
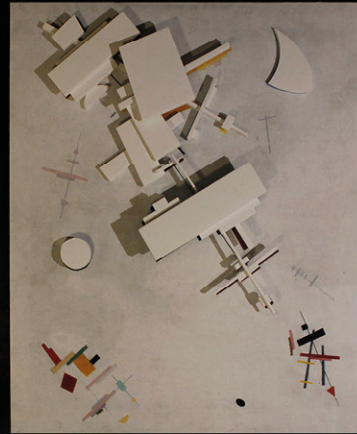
Project duration : 2023.05.31~2023. 08.11

Program : Concept Design - Representation

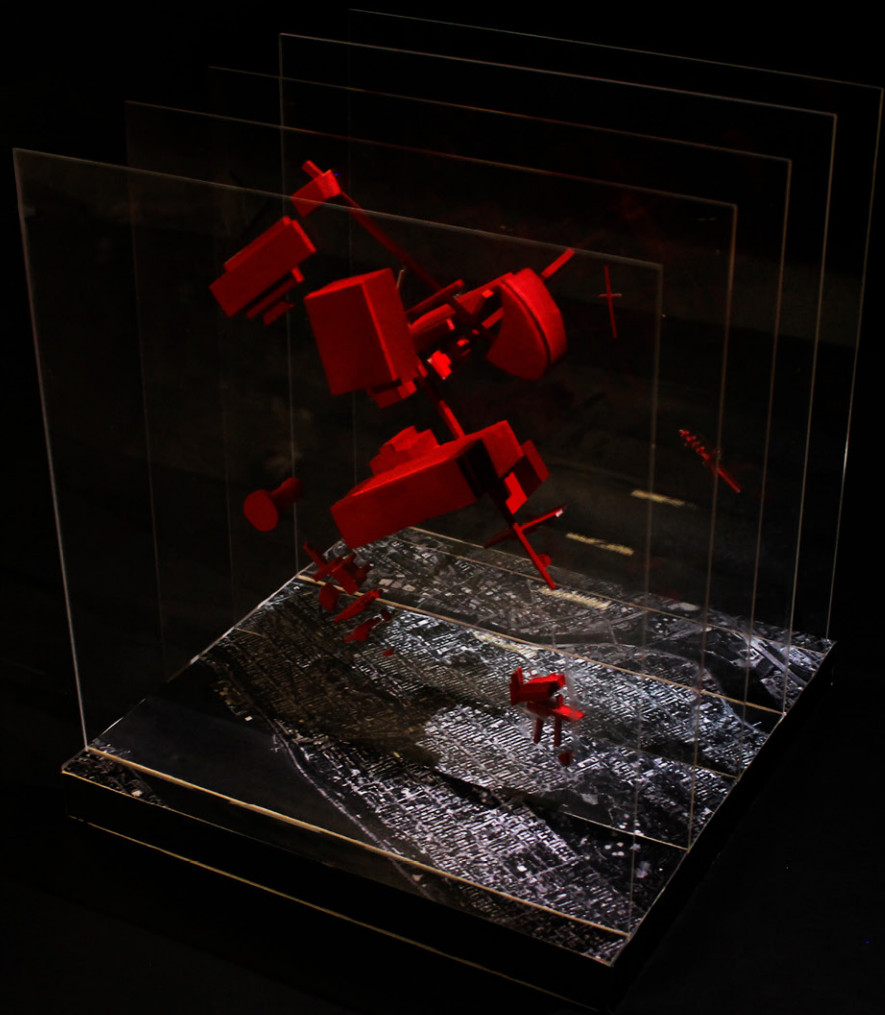
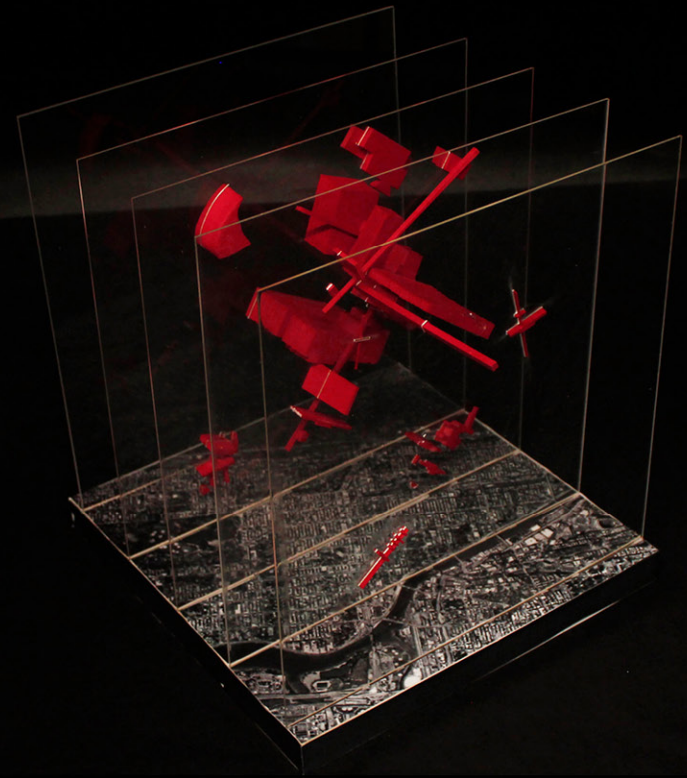
Instructor : Steven Holl, Dimitra Tsachrelia



Step1: Extracting Vertical Order



Step2: 3Dimensionalizing



Step3: Floating & Deconstruction
Physical Model & Drawing