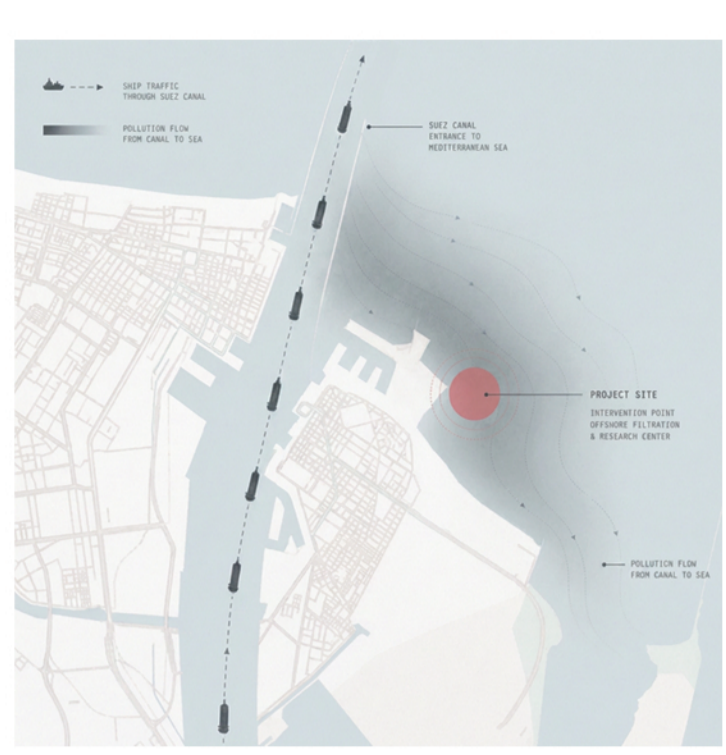
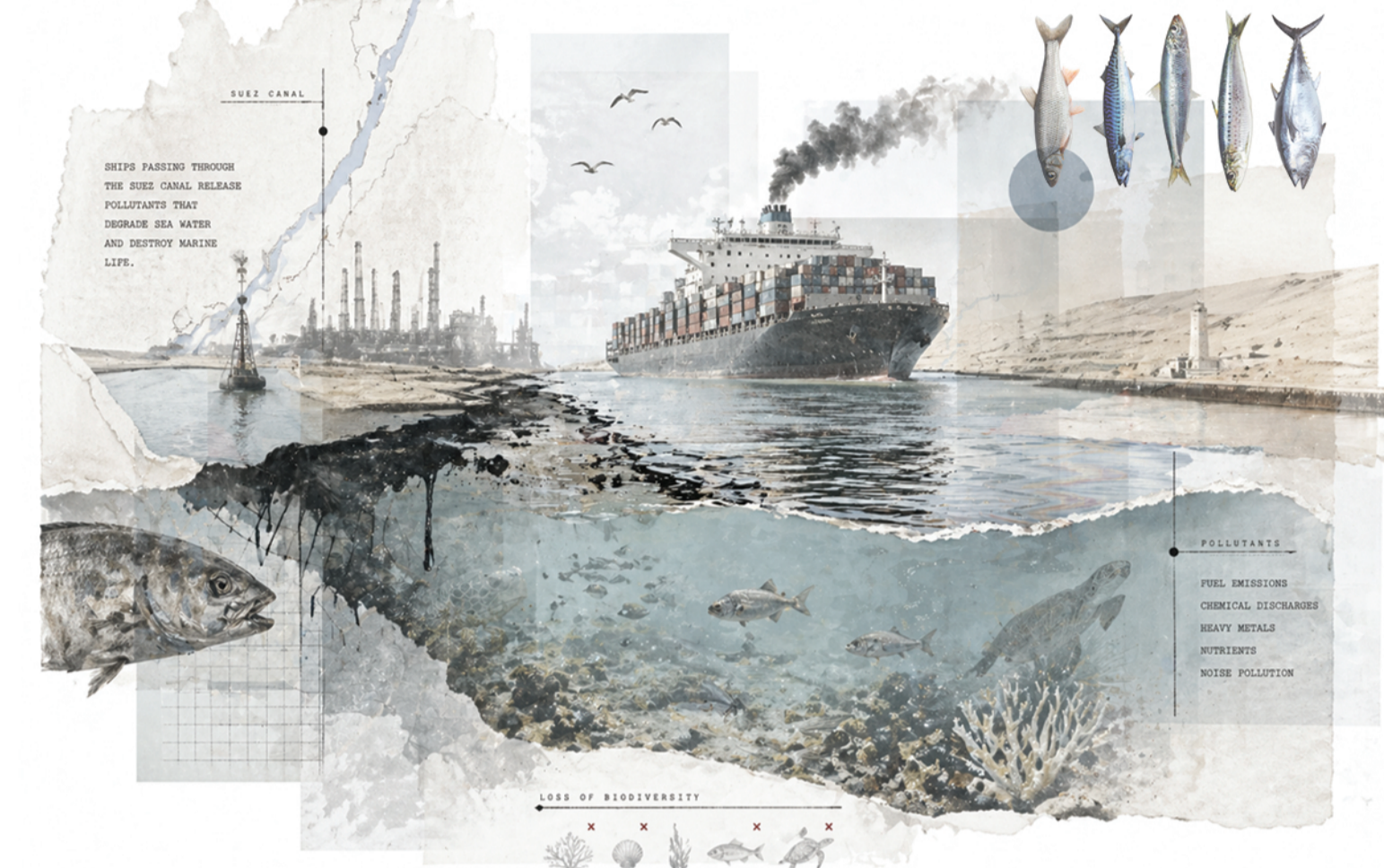


# 01 SITE LOCATION

The site is strategically located along the shoreline of Port Said, near the entrances of the Suez Canal, an area significantly impacted by intense ship traffic and resulting marine pollution. The selection of this location is informed by the prevailing Mediterranean wave currents, which carry pollutants directly toward the site. This positioning ensures direct interaction with contaminated water flows, reinforcing the project's role in monitoring and mitigating marine pollution.



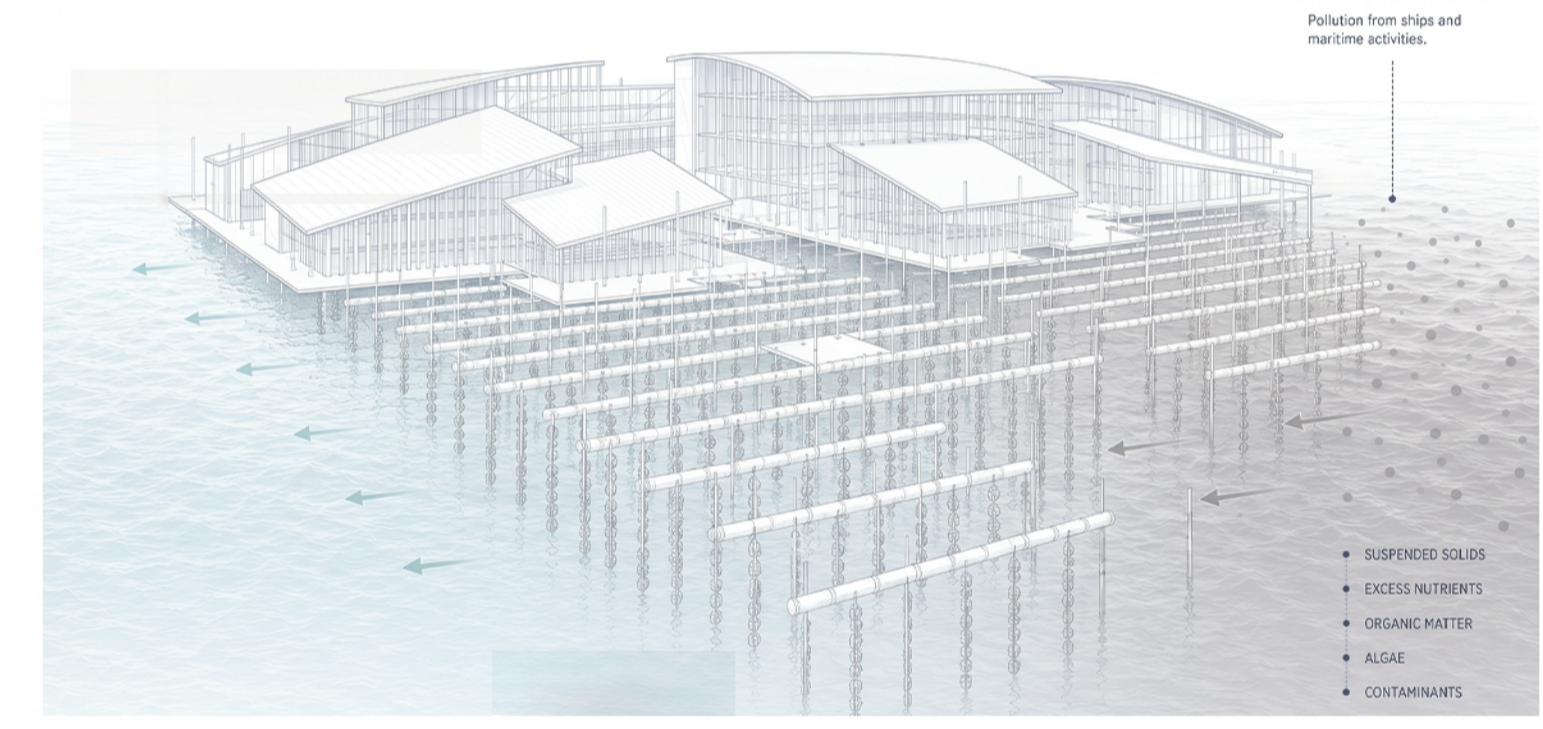
# 02 PROBLEM IDENTIFICATION



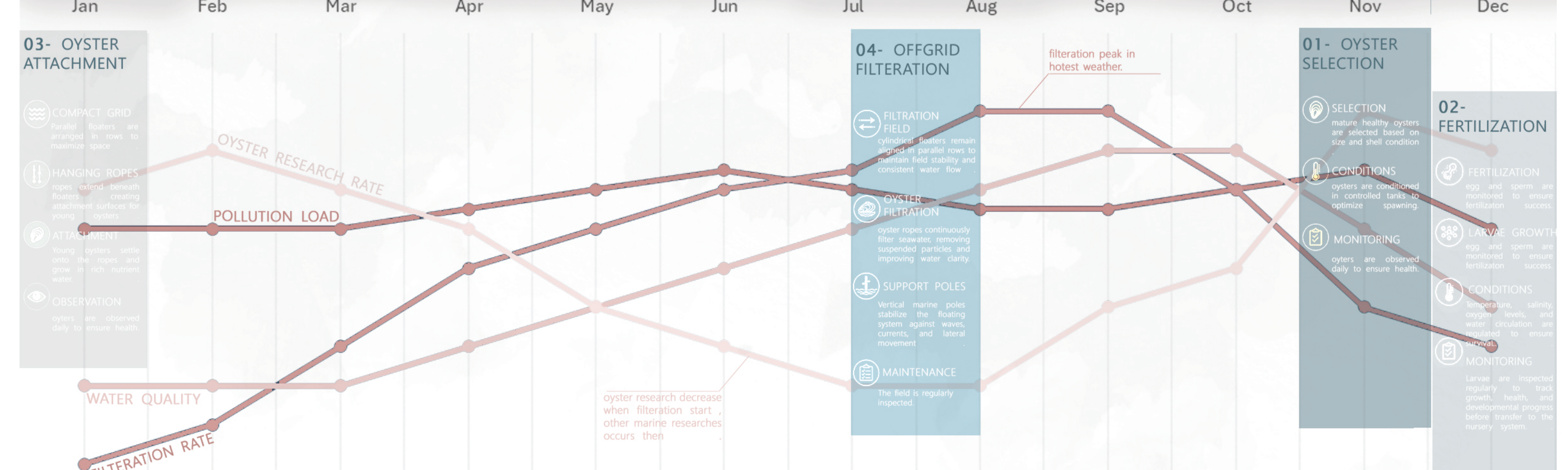
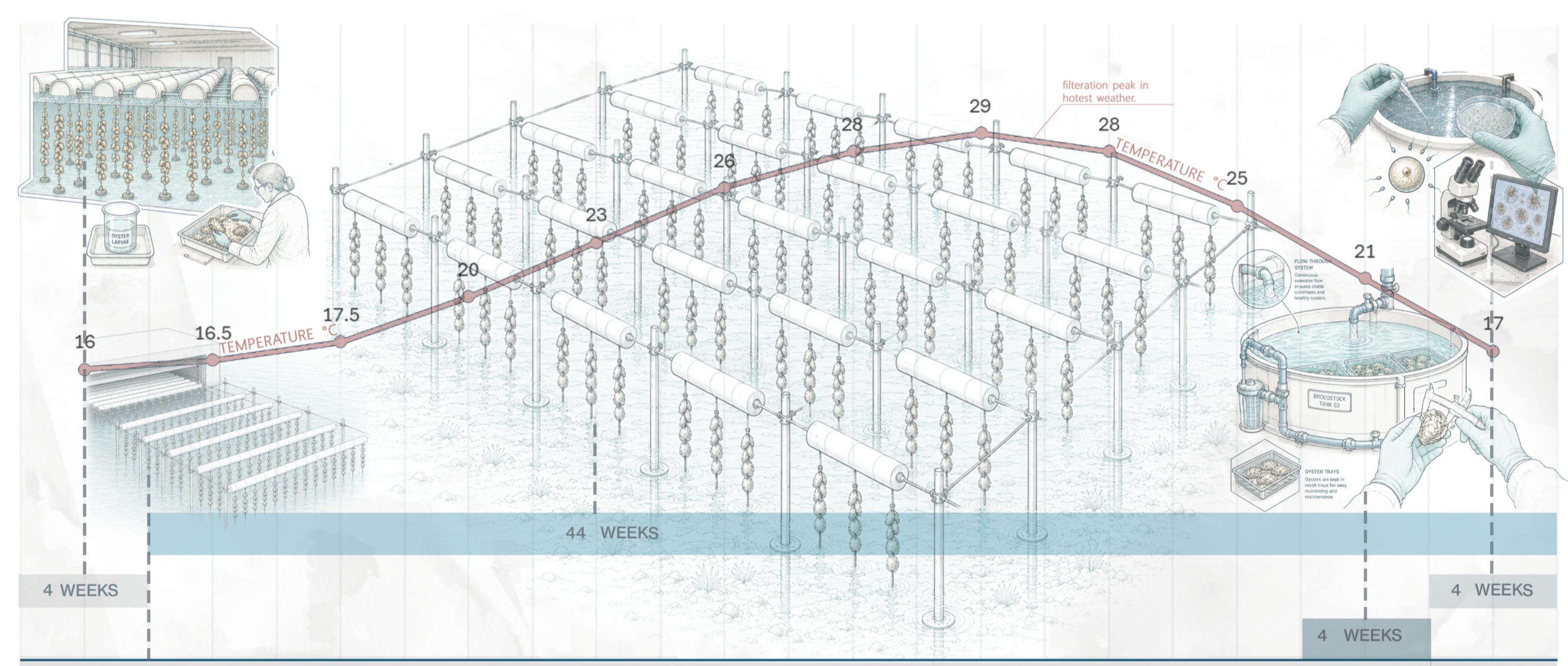
The Suez Canal introduces high levels of suspended particles, excess nutrients (nitrogen and phosphorus), and organic waste into the marine environment due to dense ship traffic. These pollutants increase water turbidity, reduce light penetration, and lower oxygen levels, leading to ecosystem imbalance and marine biodiversity decline.

# 03 CONCEPT FORMATION

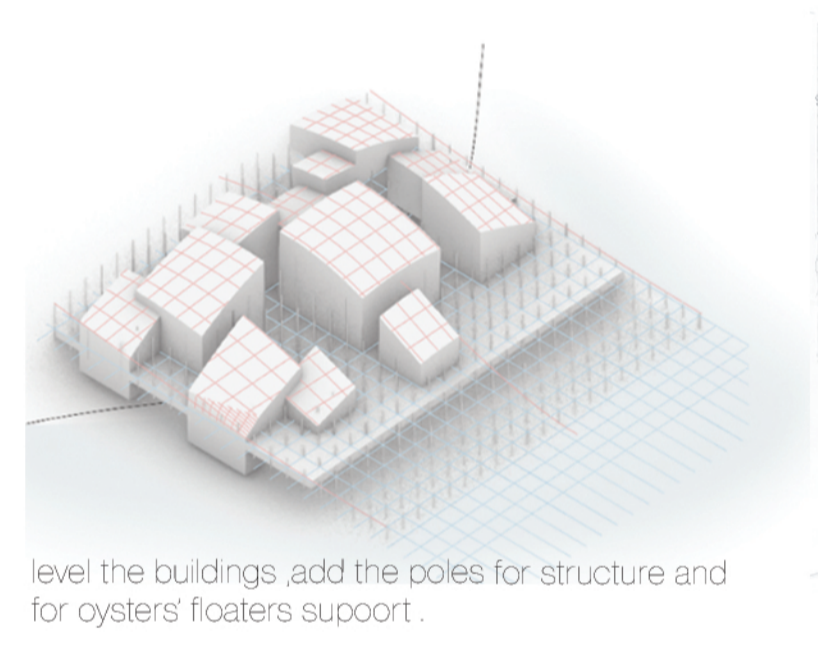
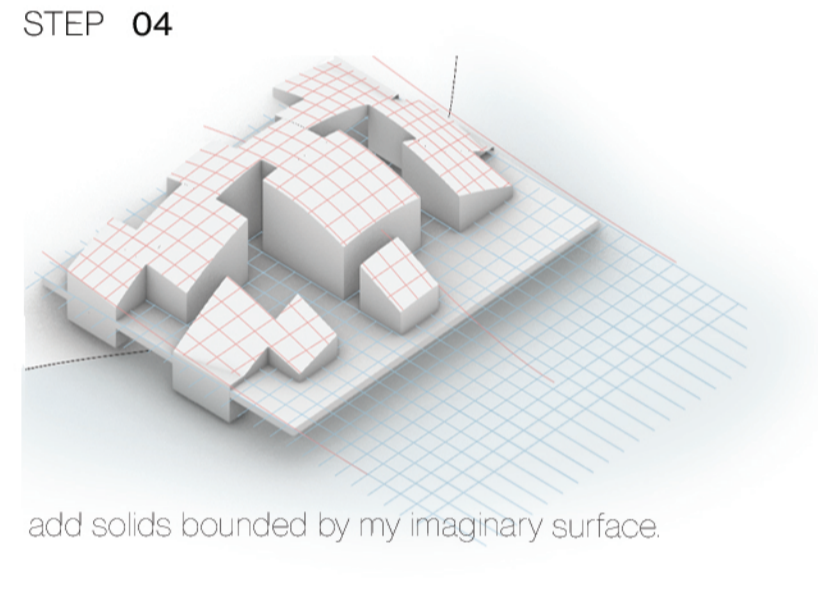
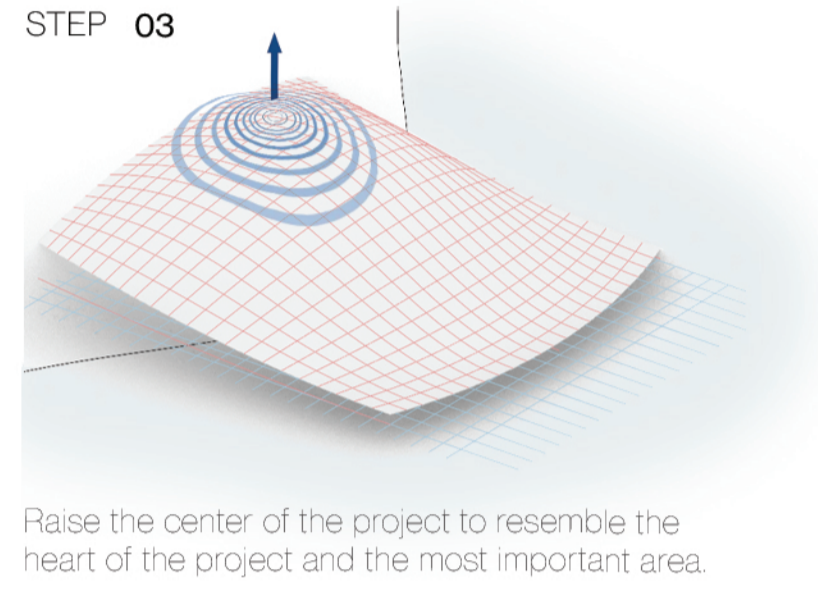
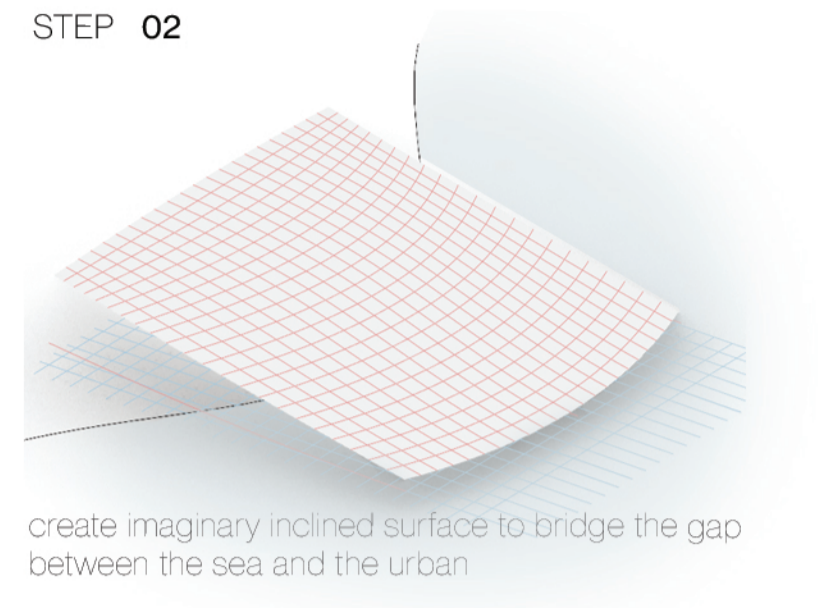
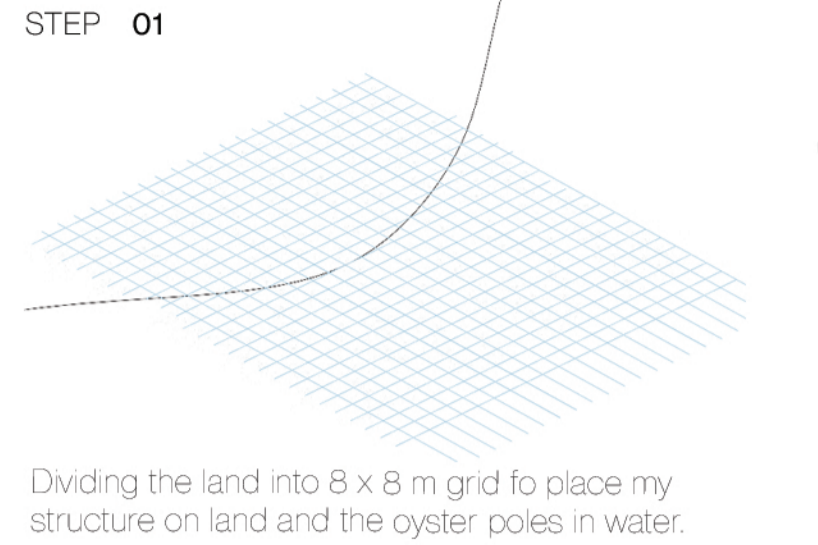
A marine research center in Port Said that bridges the gap between marine life and people, breathing Suez Canal's polluted waters, through a cycle of lab grown oysters that are raised, seeded, and released onto an offshore local grid, where they grow into habitats that filter the sea and gradually revive local biodiversity. Each adult oyster filter from 40 litres per day.



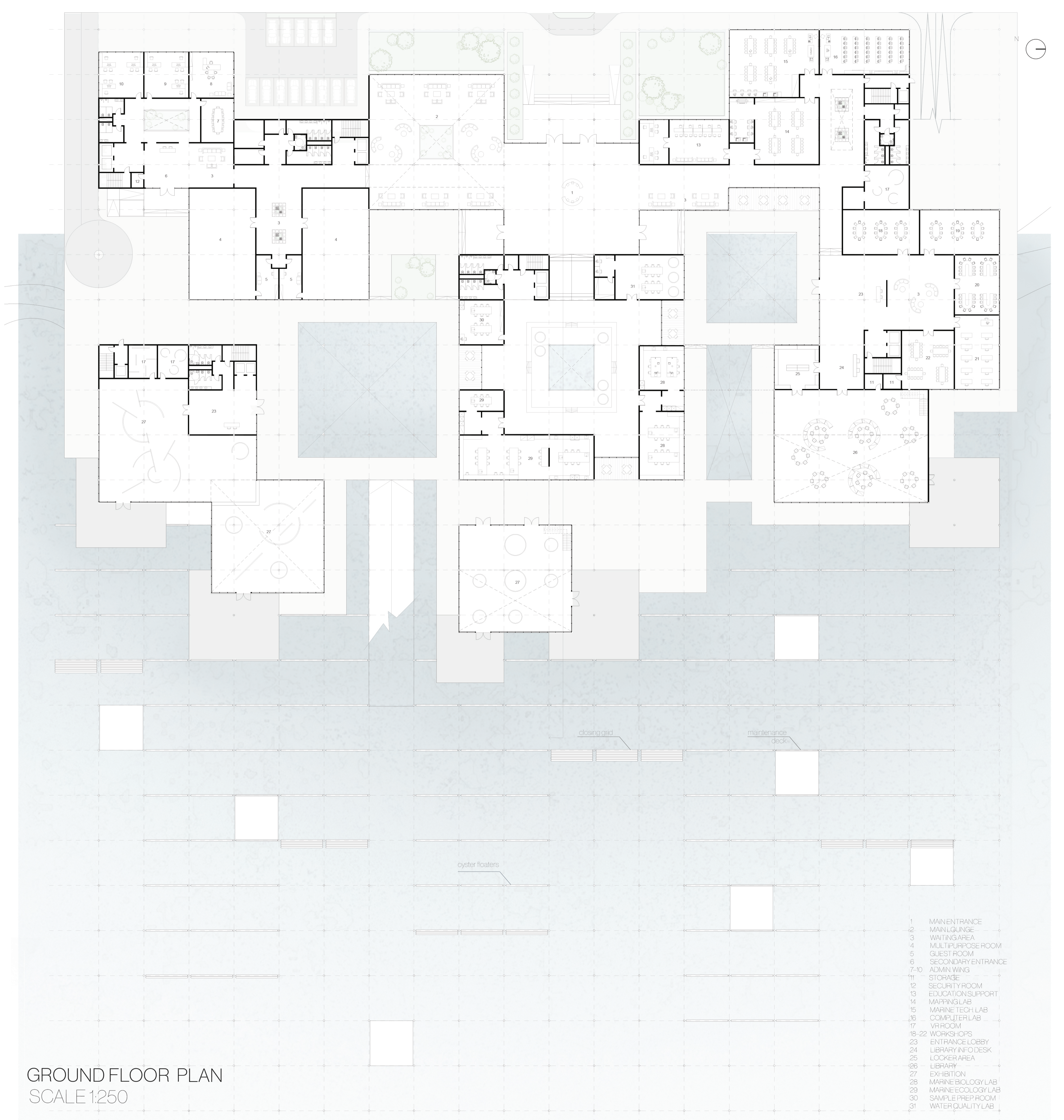
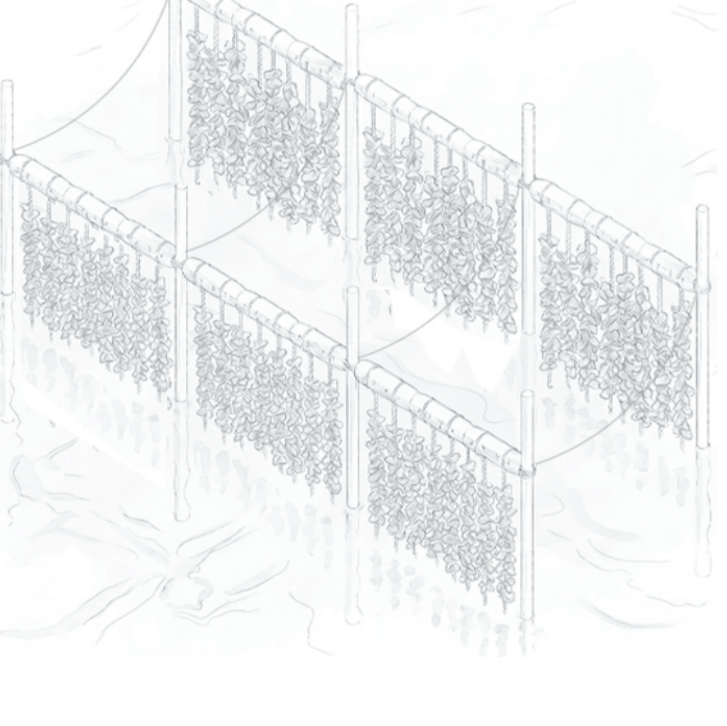
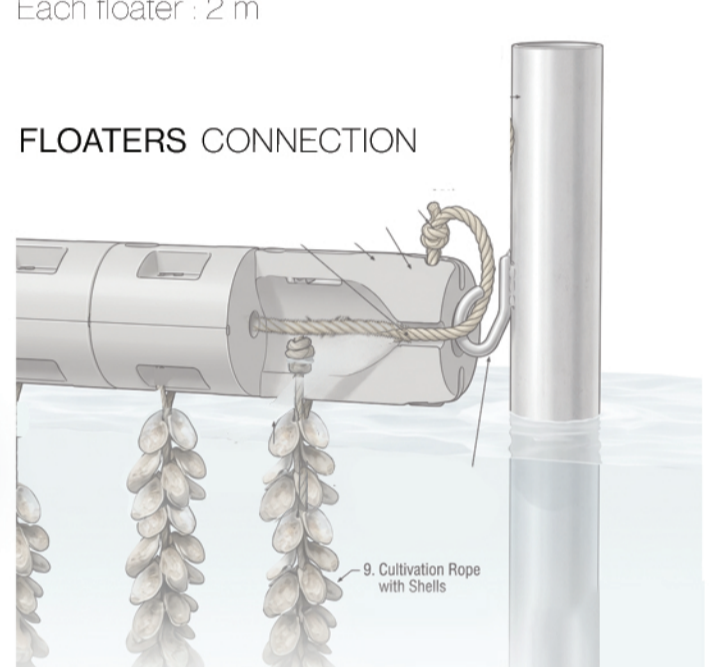
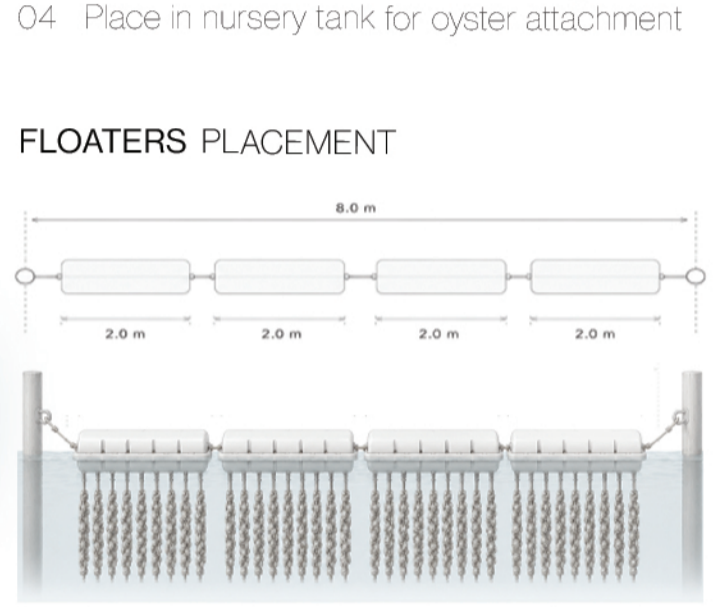
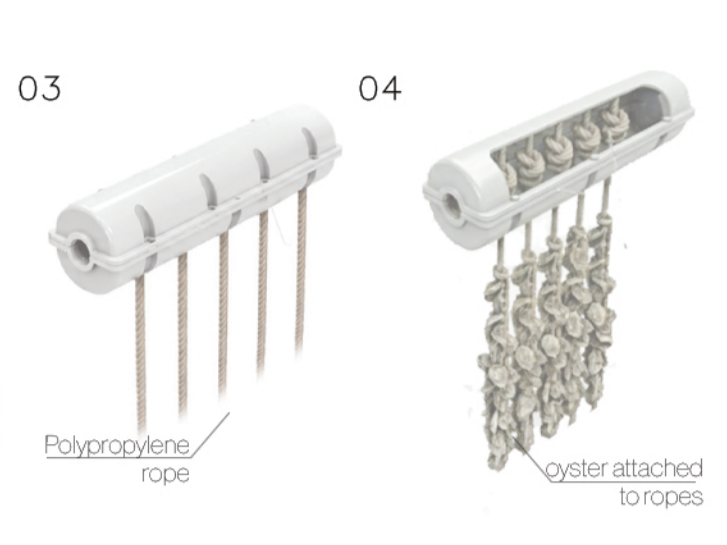
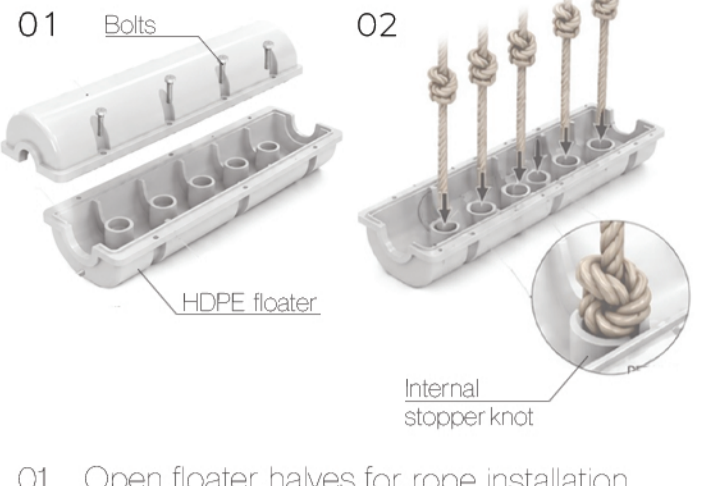
# 04 PROCESS TIMELINE



# 05 FORM GENERATION



# 06 FLOATERS ASSEMBLY



GROUND FLOOR PLAN  
SCALE 1:250

- 1 MAIN ENTRANCE
- 2 MAIN LOUNGE
- 3 WAITING AREA
- 4 MULTIPURPOSE ROOM
- 5 GUEST ROOM
- 6 SECONDARY ENTRANCE
- 7-10 ADMIN WING
- 11 STORAGE
- 12 SECURITY ROOM
- 13 EDUCATION SUPPORT
- 14 MAPPING LAB
- 15 MARINE TECH LAB
- 16 COMPUTER LAB
- 17 VR ROOM
- 18-22 WORKSHOPS
- 23 ENTRANCE LOBBY
- 24 LIBRARY INFO DESK
- 25 LOCKER AREA
- 26 LIBRARY
- 27 EXHIBITION
- 28 MARINE ECOLOGY LAB
- 29 MARINE ECOLOGY LAB
- 30 SAMPLE PREP ROOM
- 31 WATER QUALITY LAB