

Taking Back Control

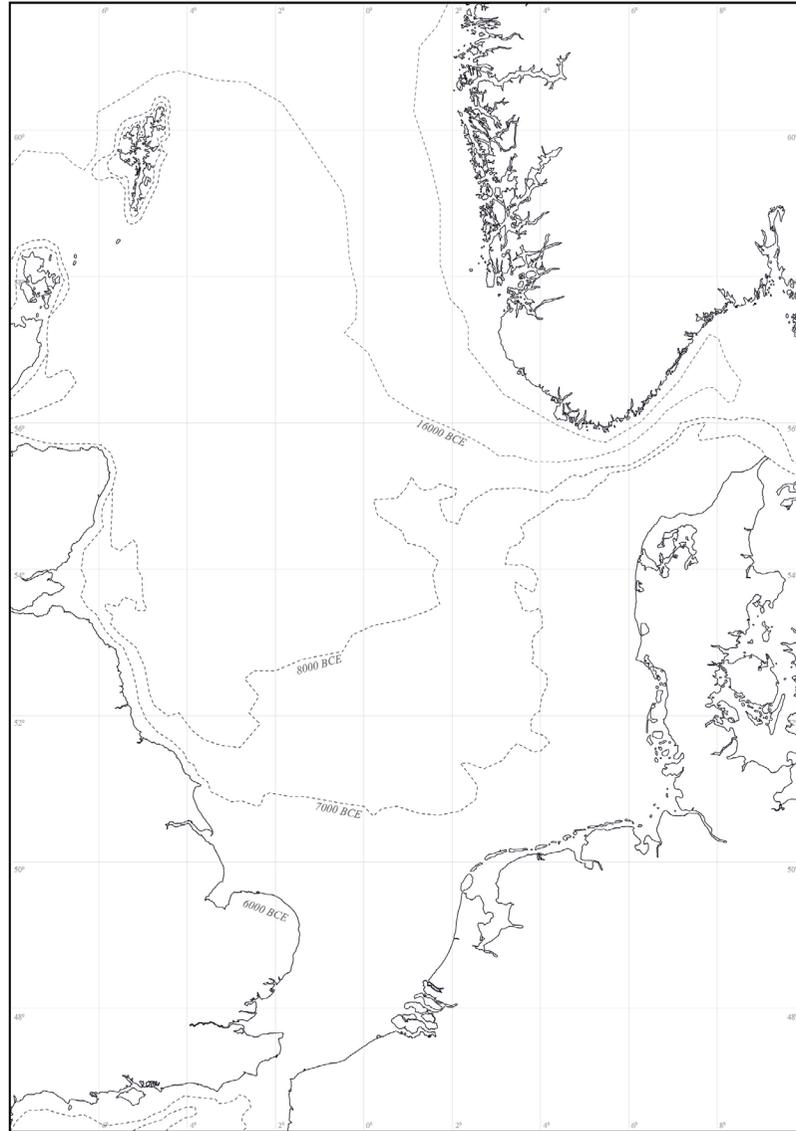
Nafeesa Hamza

The Sea



Waste

Migration



AN ISLAND EMERGES



Romans, c. 300



Vikings, c. 700



Empire of the North Sea, 1016



Normans, 1100



Henry II & the Plantagenets, 1200



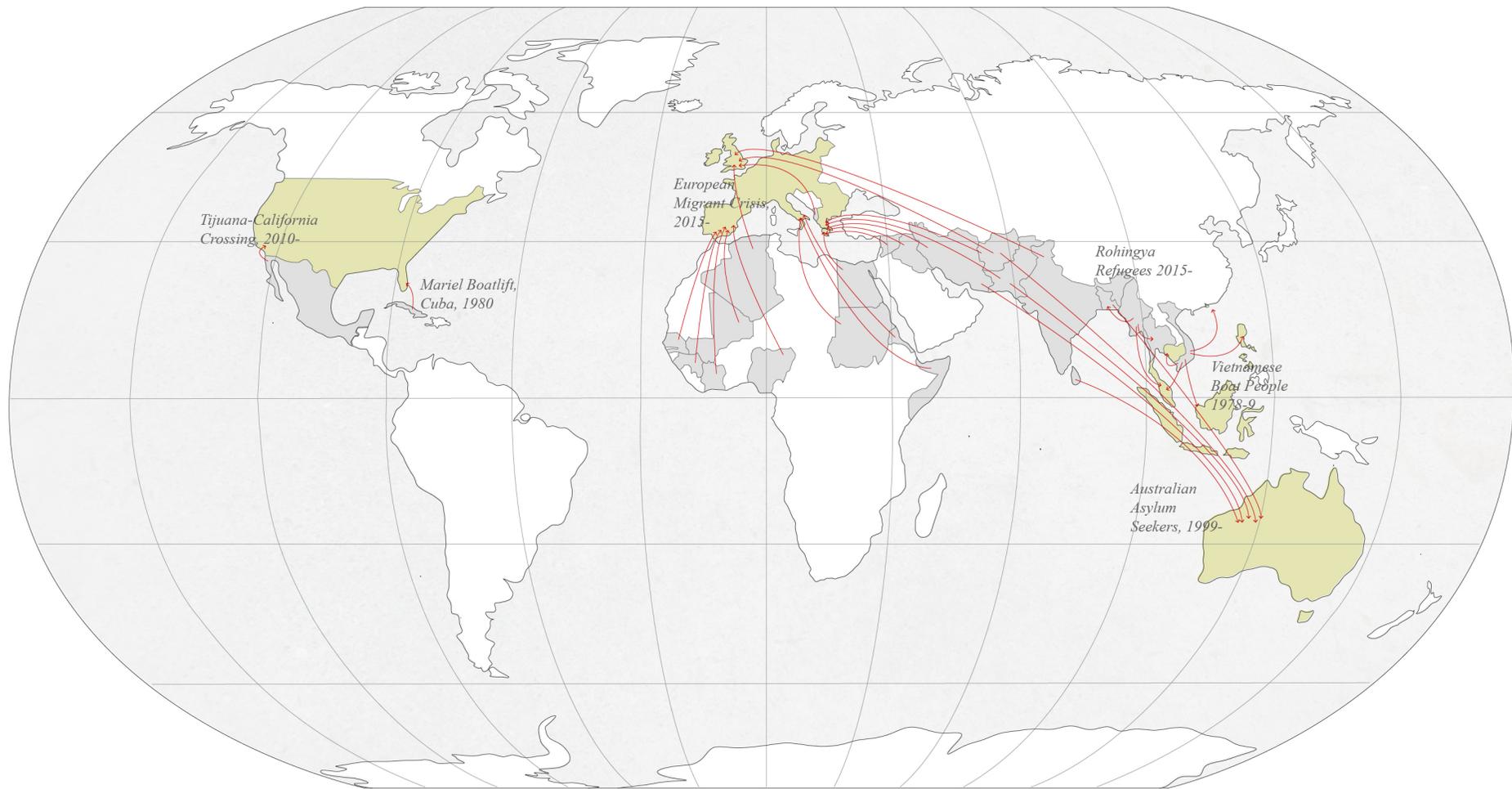
Golden Age, 1600



WWI, 1914



EEZ, 1982



PEOPLE ON THE MOVE

“...if you believe you’re a citizen of the world, you’re a citizen of nowhere”

RT. HON THERESA MAY



*“I was never scared of drowning.
I can swim.”*

ASIF HUSSAINKHIL

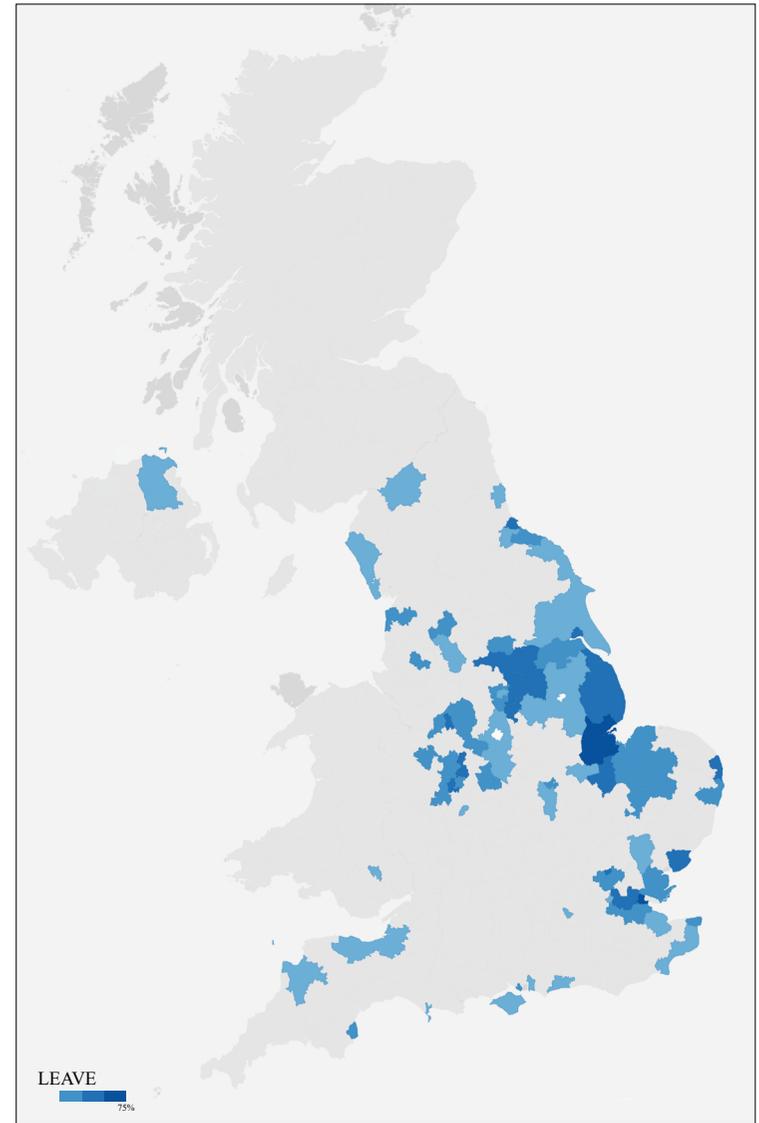


*Detected Illegal Entrants
2008-2016*

Albanians	981
Afghans	425
Algerians	424
Iranians	348
Indians	322
Palestinians	129
Vietnamese	124

*Foreign Born Residents
2016*

Poland	907,000
India	809,000
Pakistan	523,000
Ireland	398,000
Romania	340,000
Germany	299,000
Bangladesh	247,000
South Africa	245,000
China	226,000
Italy	220,000



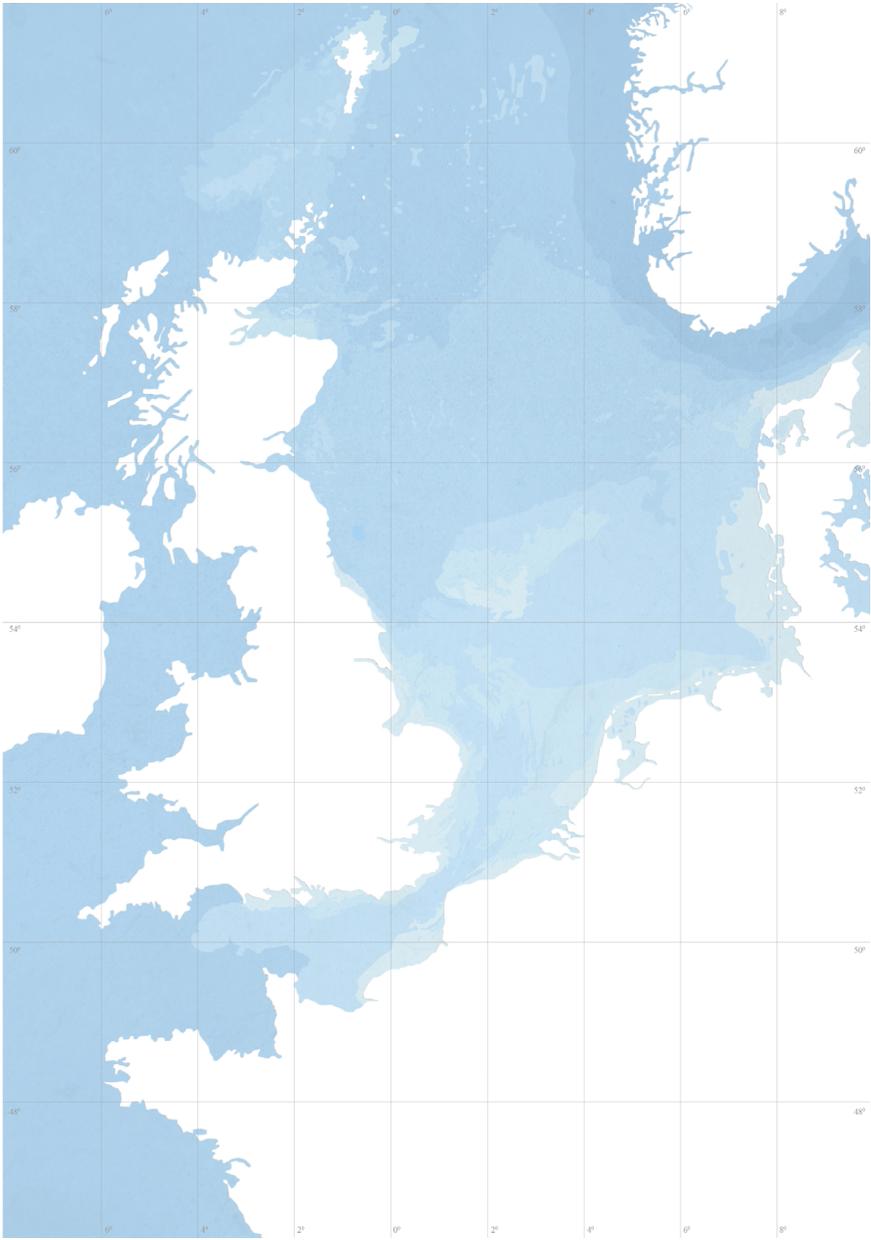
Problem Statement

Britain's traditional position as an integrated extension of the European continent has been forgotten over time, resulting in the current political reality of Brexit. While the North Sea has historically been a conduit of cultural exchange, it is now being used as a barrier to further insulate the island from the world.

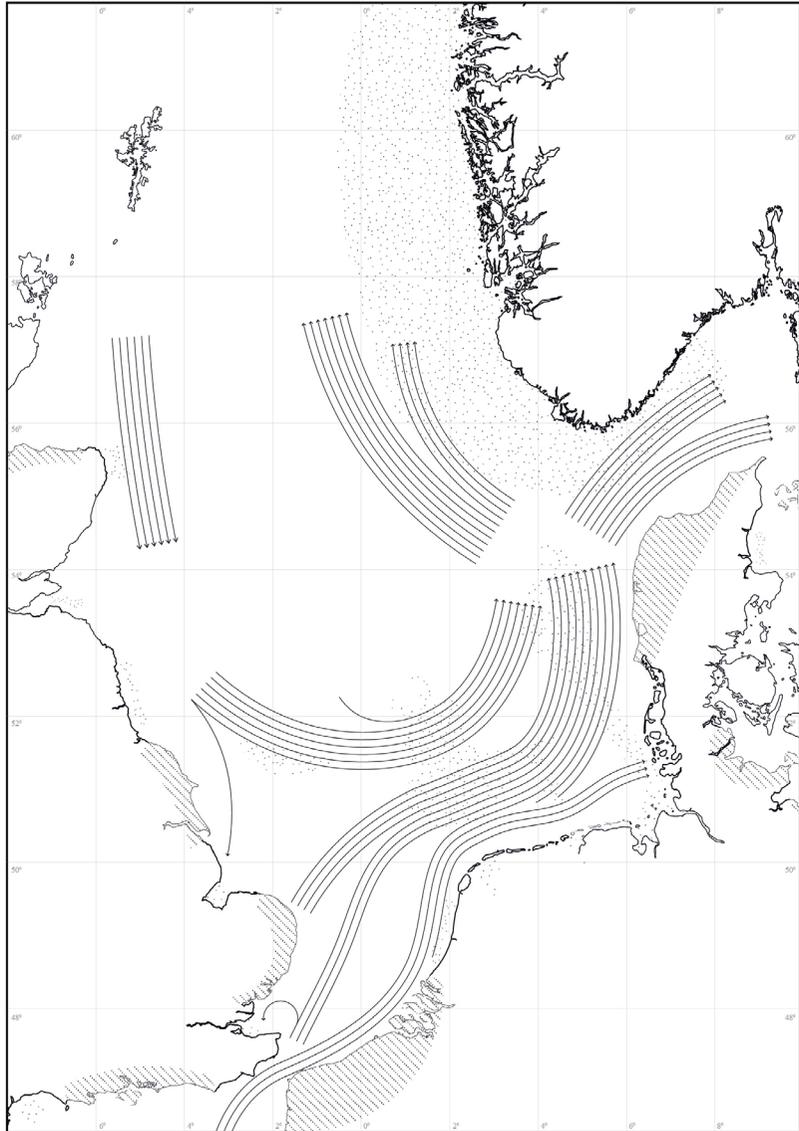
Research Questions

- 1. How can traces in the sea be used to reveal the history of the relationship between the UK and the continent?*
 - a) How can this history be manifested in a physical form?*
 - b) What architectural techniques can be employed to bridge the perceived gap between the two coasts?*
- 2. How can people in a state of transit be provided with a spatial anchor in a highly dynamic environment?*

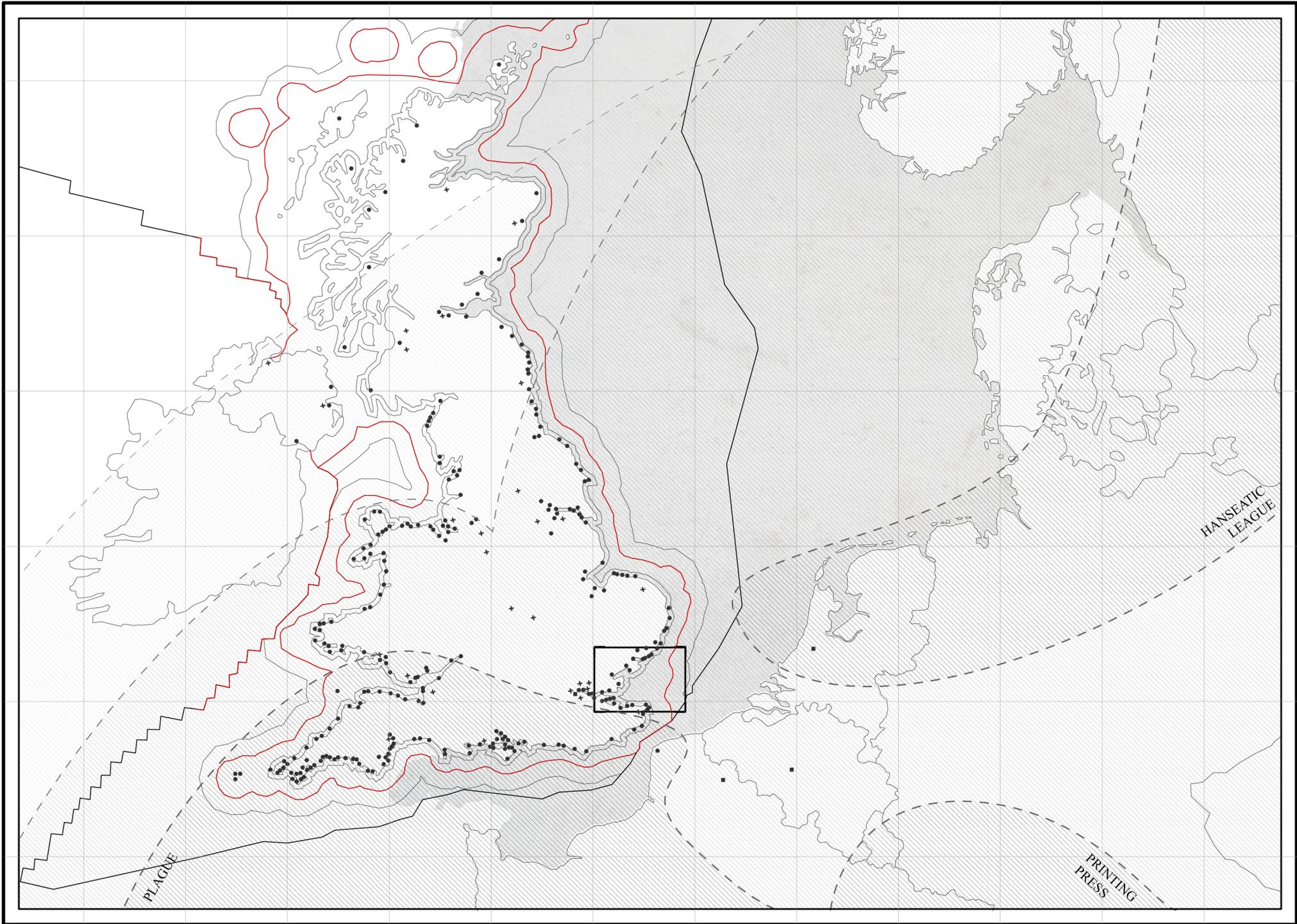
Site Analysis



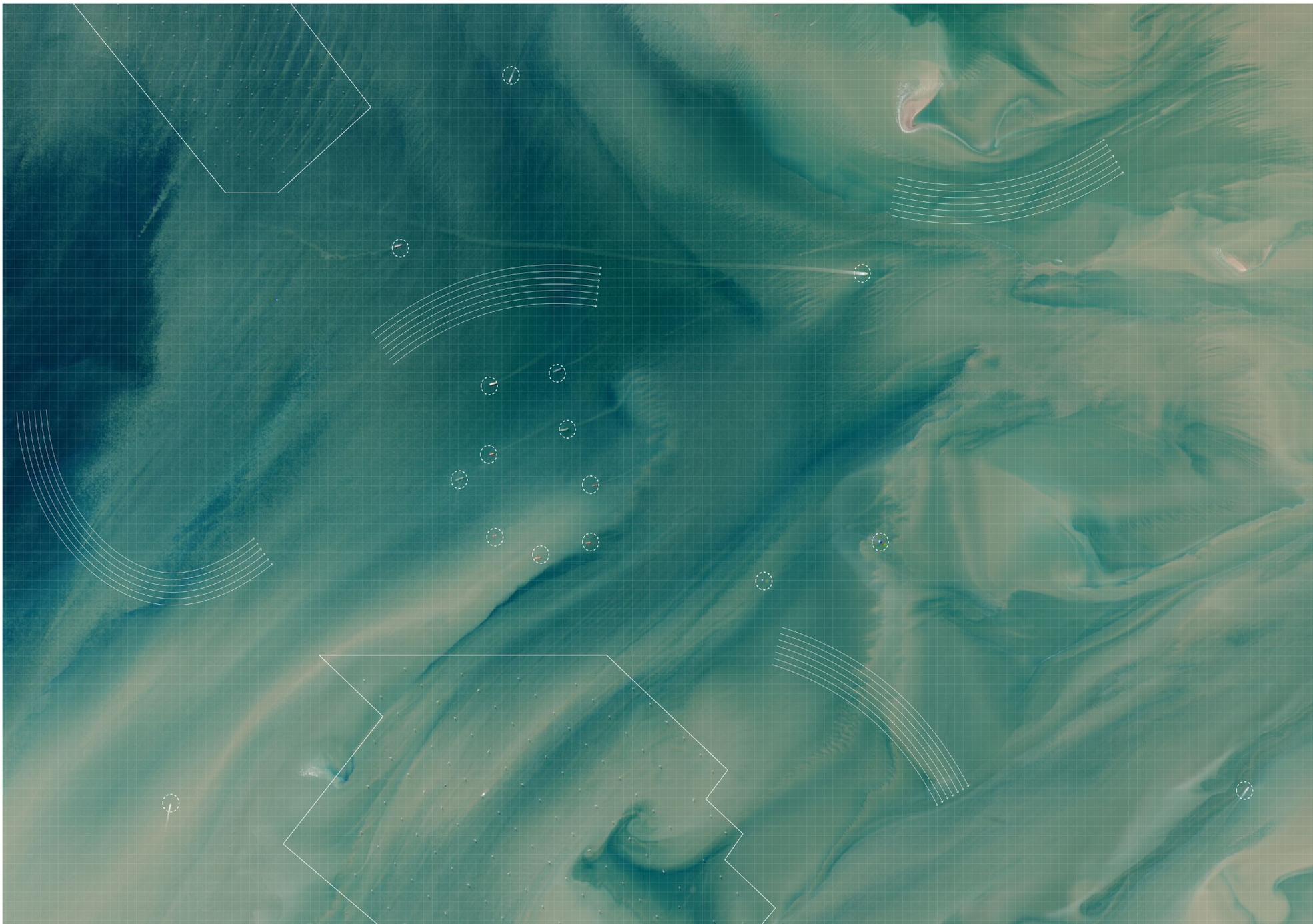
THE NORTH SEA



COASTAL CONDITIONS

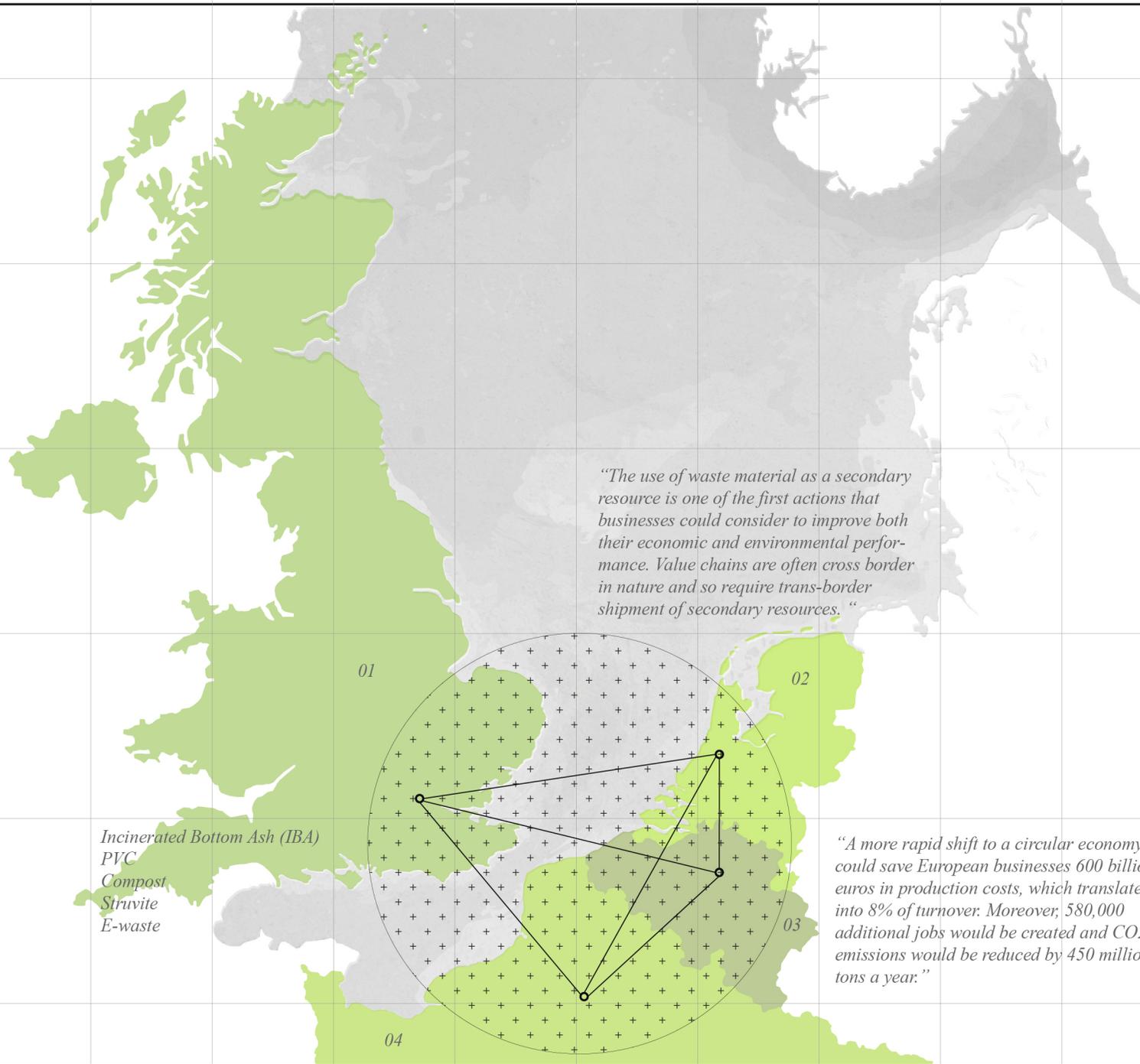


HISTORICAL FLOWS



THAMES ESTUARY

Detritus



NORTH SEA RESOURCE ROUNDABOUT

600,000
tonnes of
refuse in or
on seafloor of
the North Sea



+ 20,000
tonnes of
refuse every
year

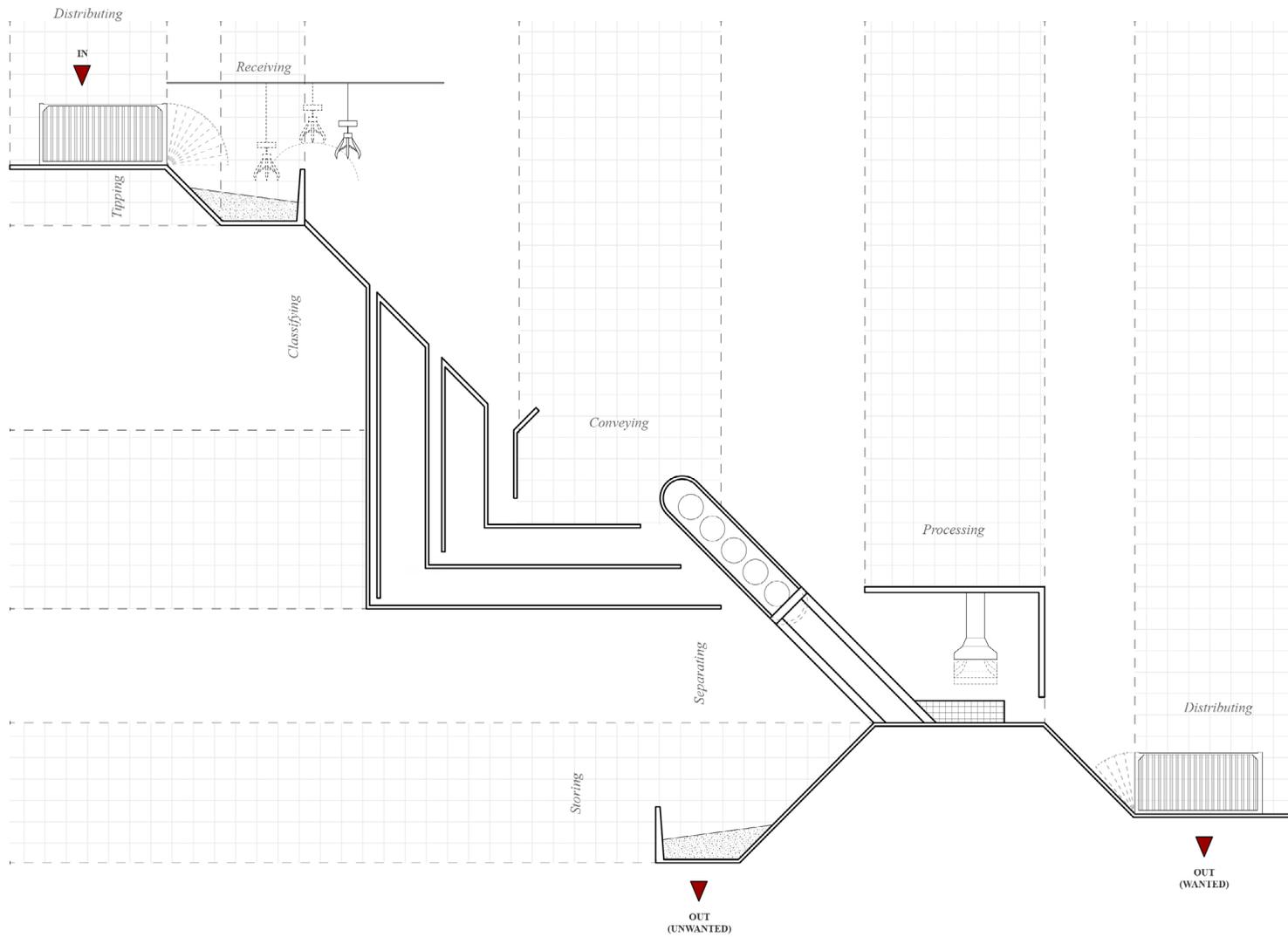


Cause 01
maritime
industry

Cause 02
fishing
industry

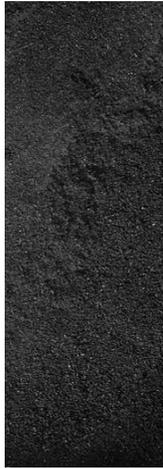
Cause 03
tourism
industry

Of which 75%
is plastic and
expanded
polystyrene

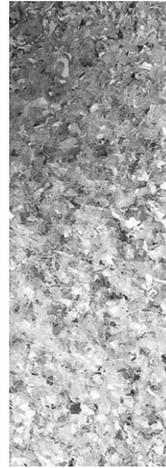


MATERIAL RECOVERY PROCESS

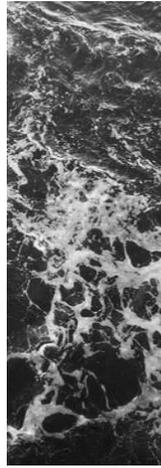
*bottom ash
2/3*



*shredded plastic
1/3*



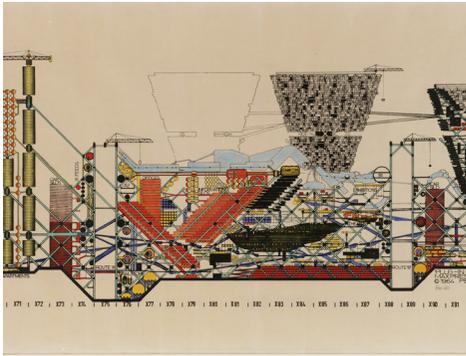
*sea water
as required*



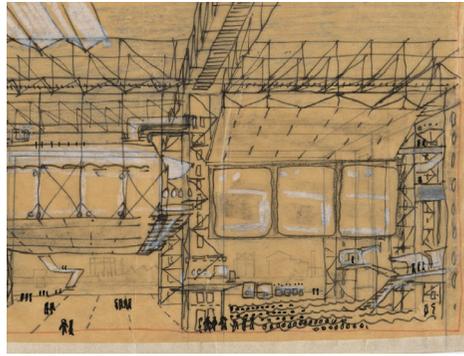
Recycled Concrete

RECYCLED CONCRETE

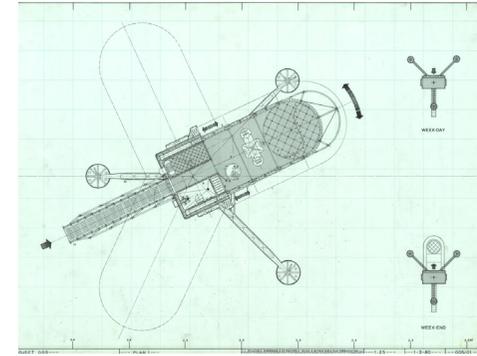
Building as a Machine



Archigram/Peter Cook



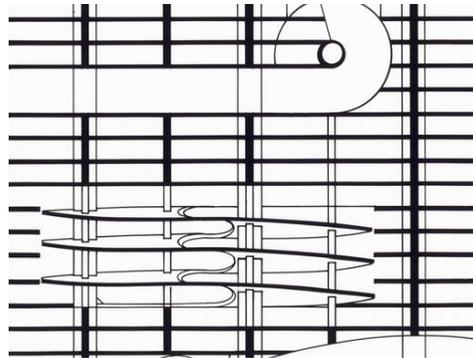
Fun Palace/ Cedric Price



Future Systems Architecture/Jan Kaplicky



Bernard Tschumi



OMA/Rem Koolhaas



Leo Ludwig

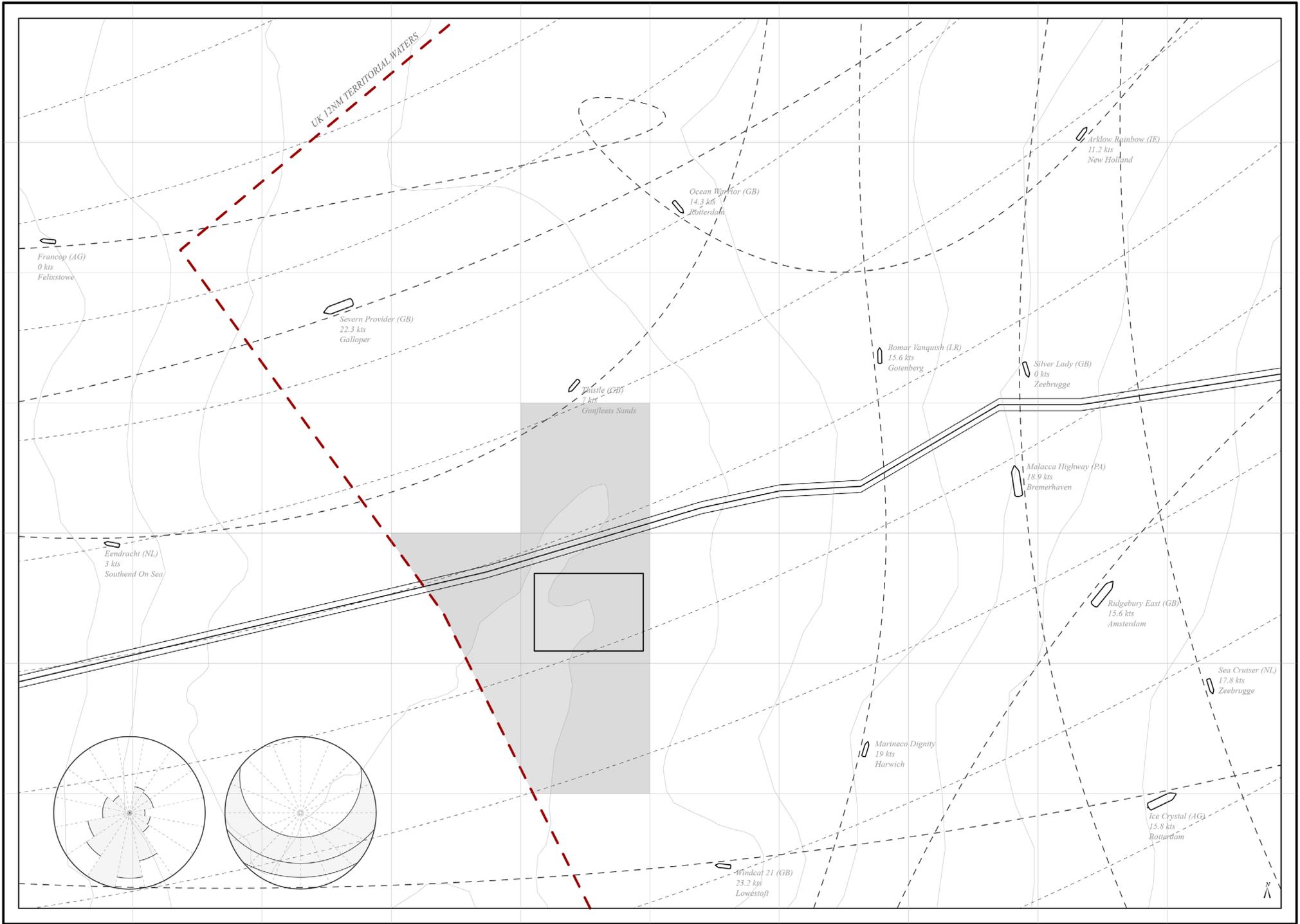


Cliff Head Rig/ Australia

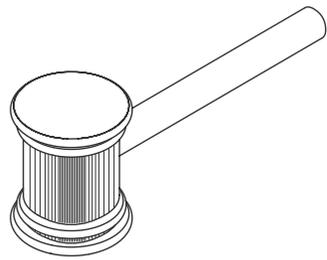


Dnepropetrovsk Manganese Mine/ Ukraine

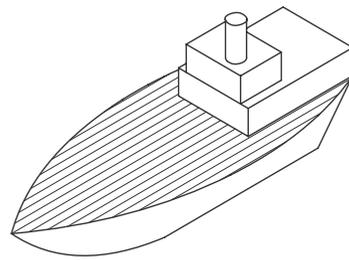
The Project



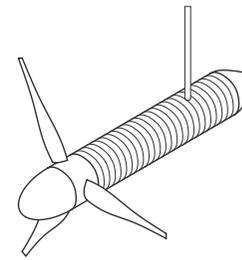
SITE



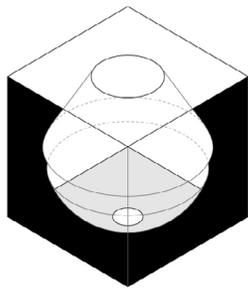
Jurisdiction



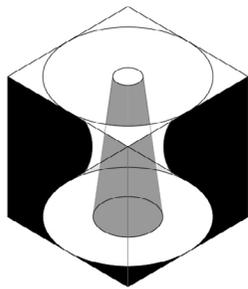
Logistics



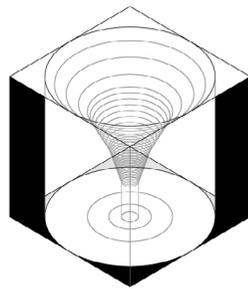
Energy



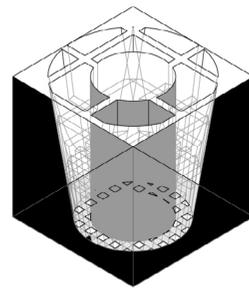
01. Tipping



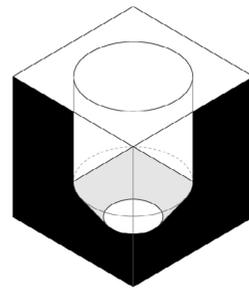
02. Crushing



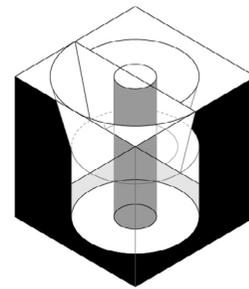
03. Separating



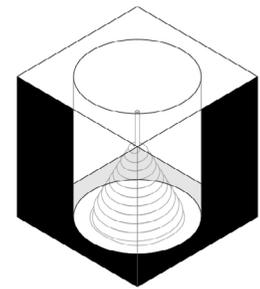
04. Shredding



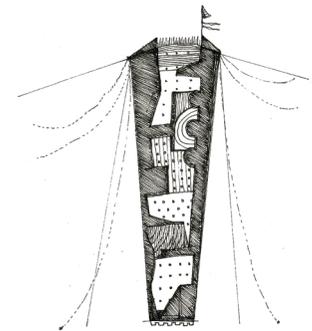
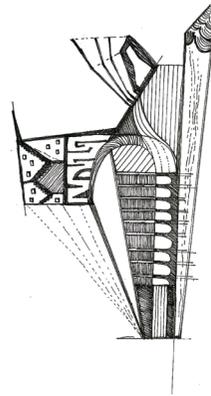
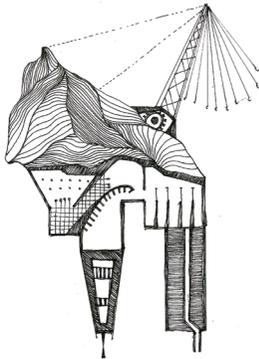
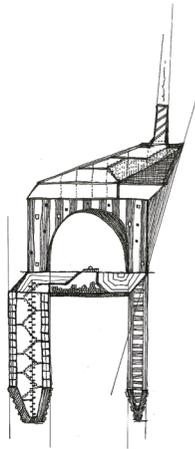
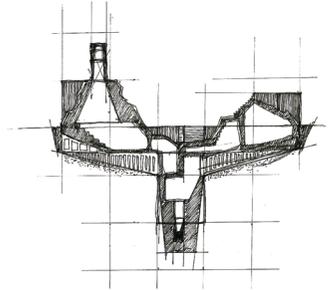
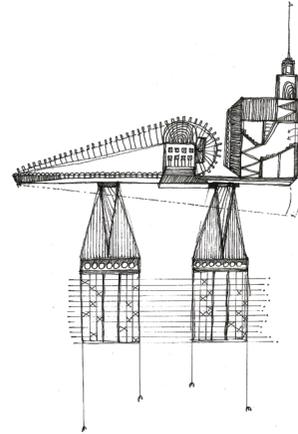
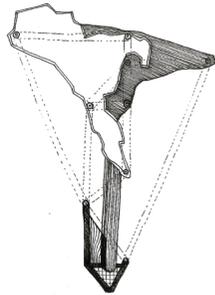
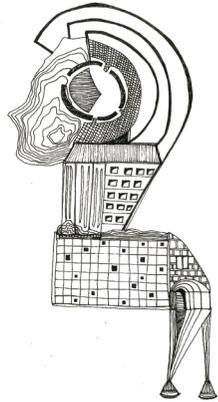
05. Storing



06. Mixing



07. Pouring



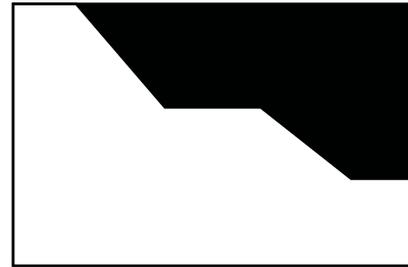
Seen



Inhabitation



Horizontal

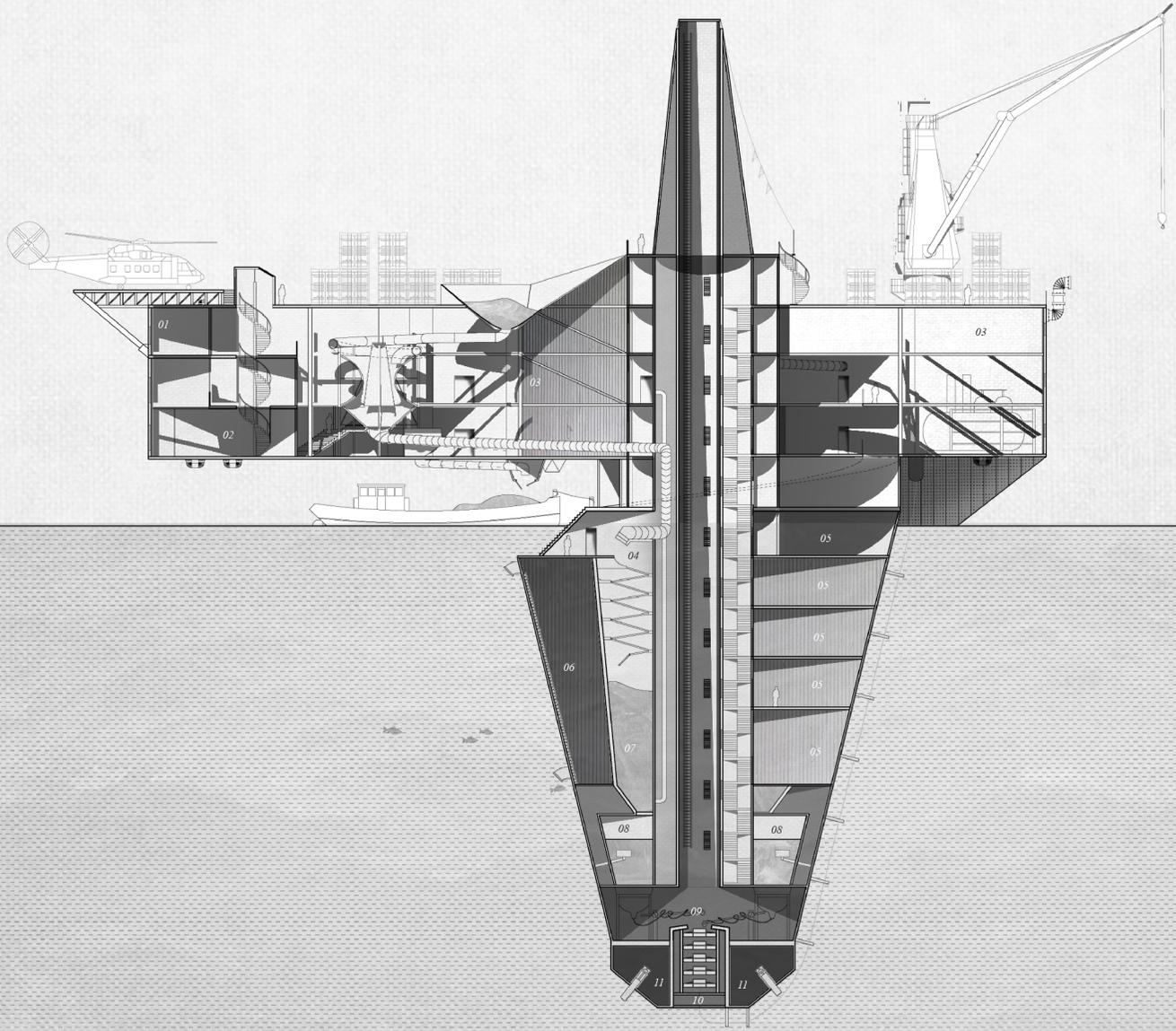


Unseen

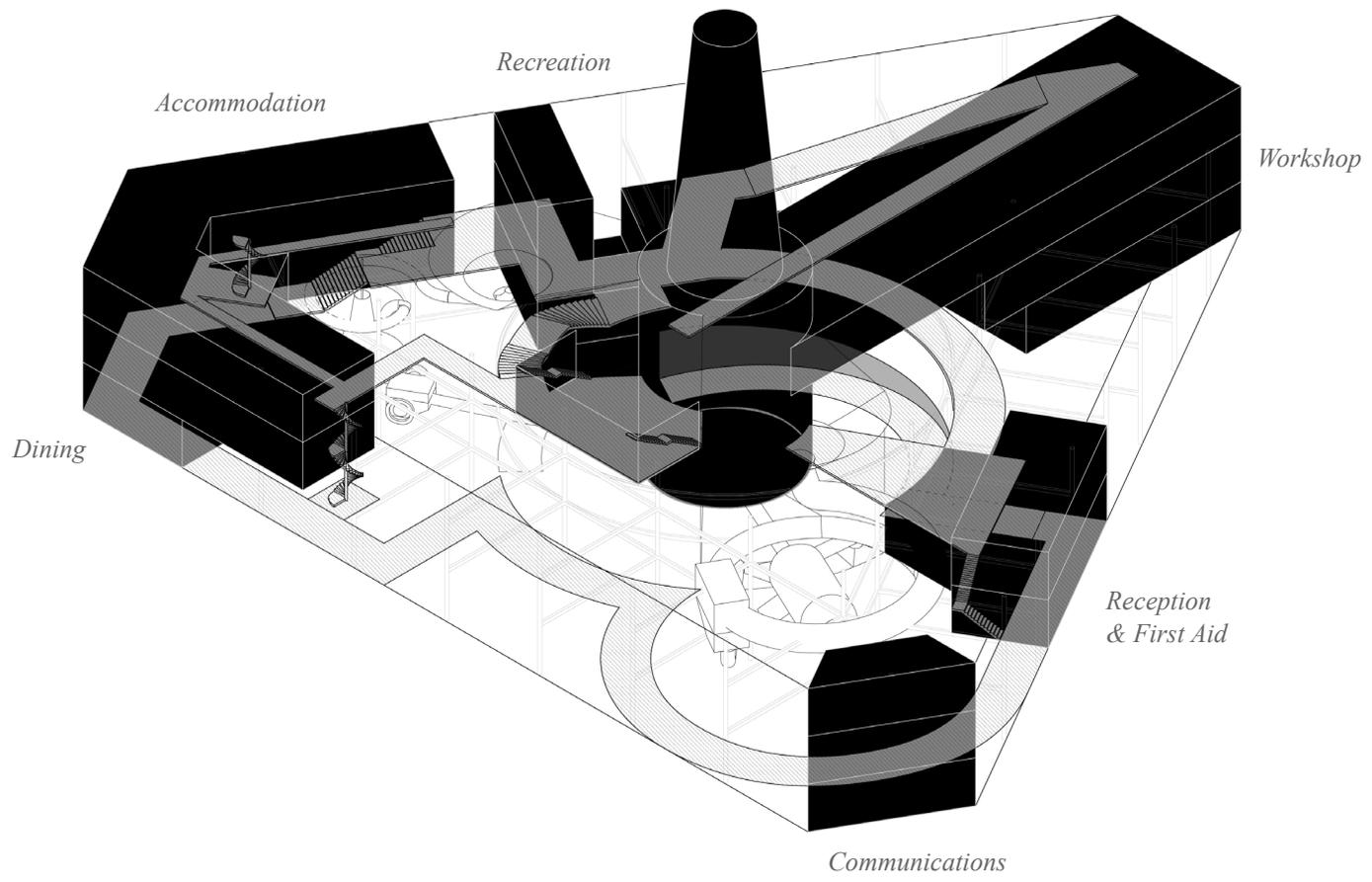
Production

Vertical

40m
30m
20m
10m
-10m
-20m
-30m
-40m



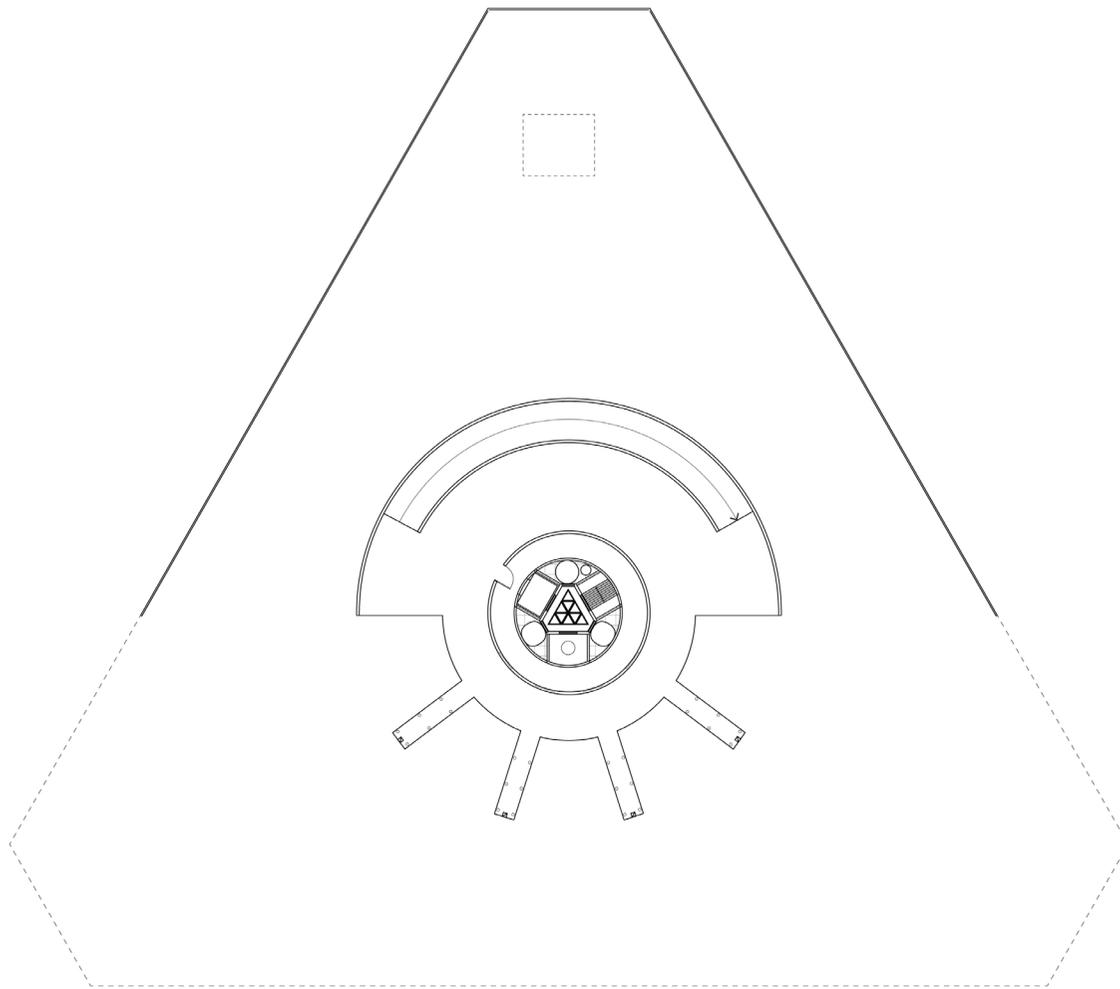
- 01 Accomodation
- 02 Dining
- 03 Machine Hall
- 04 Staircase
- 05 Maintenance Decks
- 06 Water Ballast
- 07 Material Storage
- 08 Mixing
- 09 Formation
- 10 Airlock
- 11 Iron Ballast



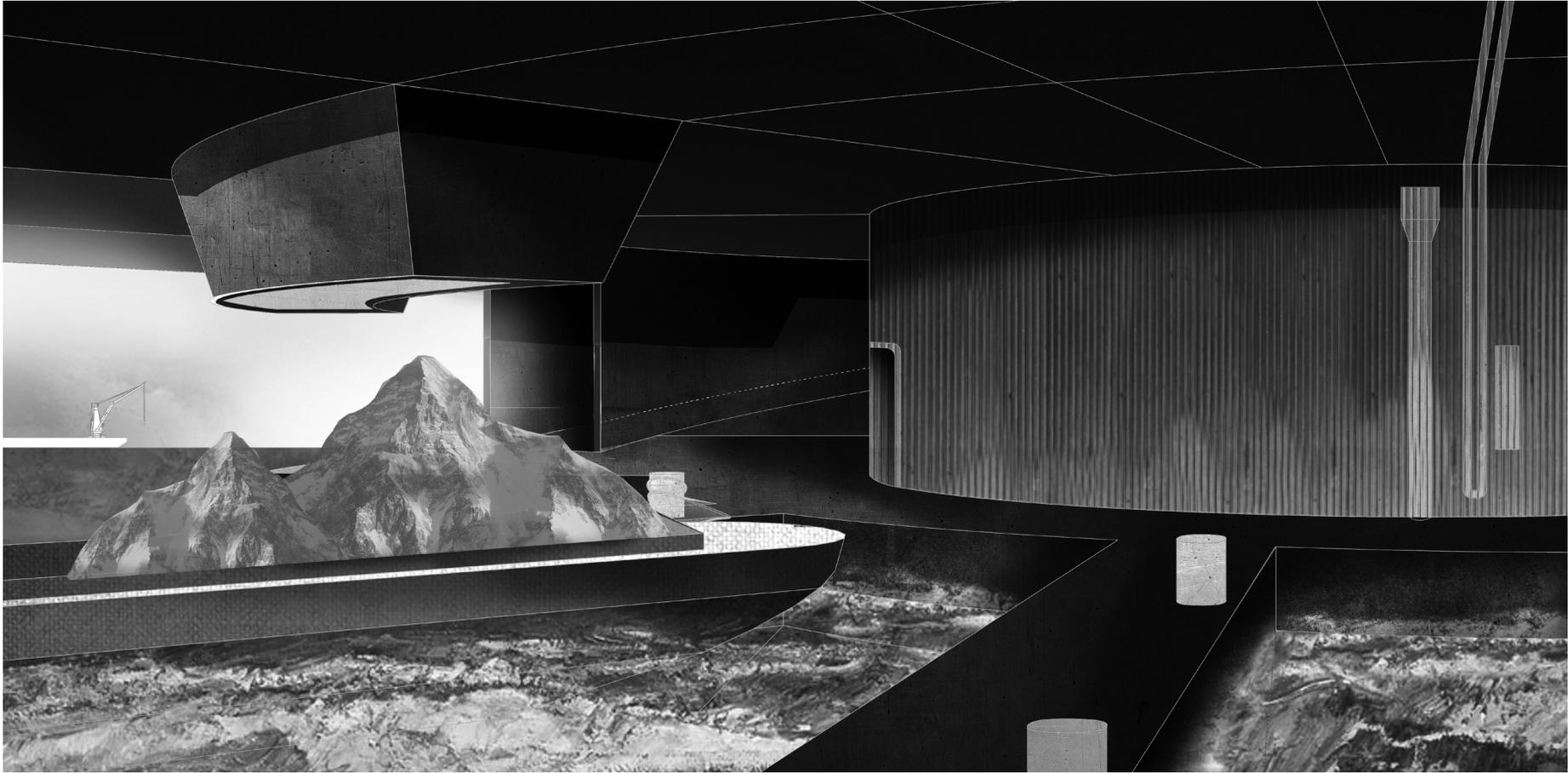
CIRCULATION



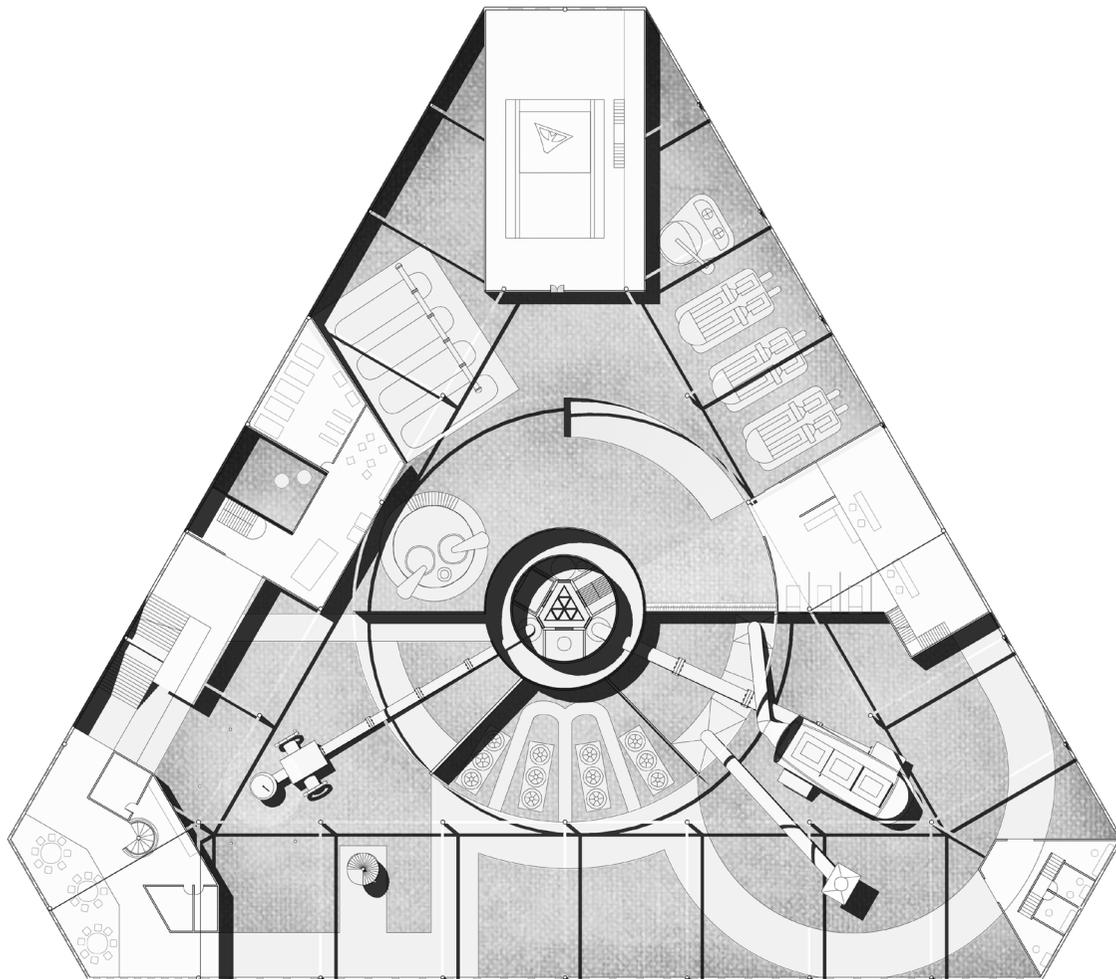
FIRST SIGHTING



ENTRANCE, +0m



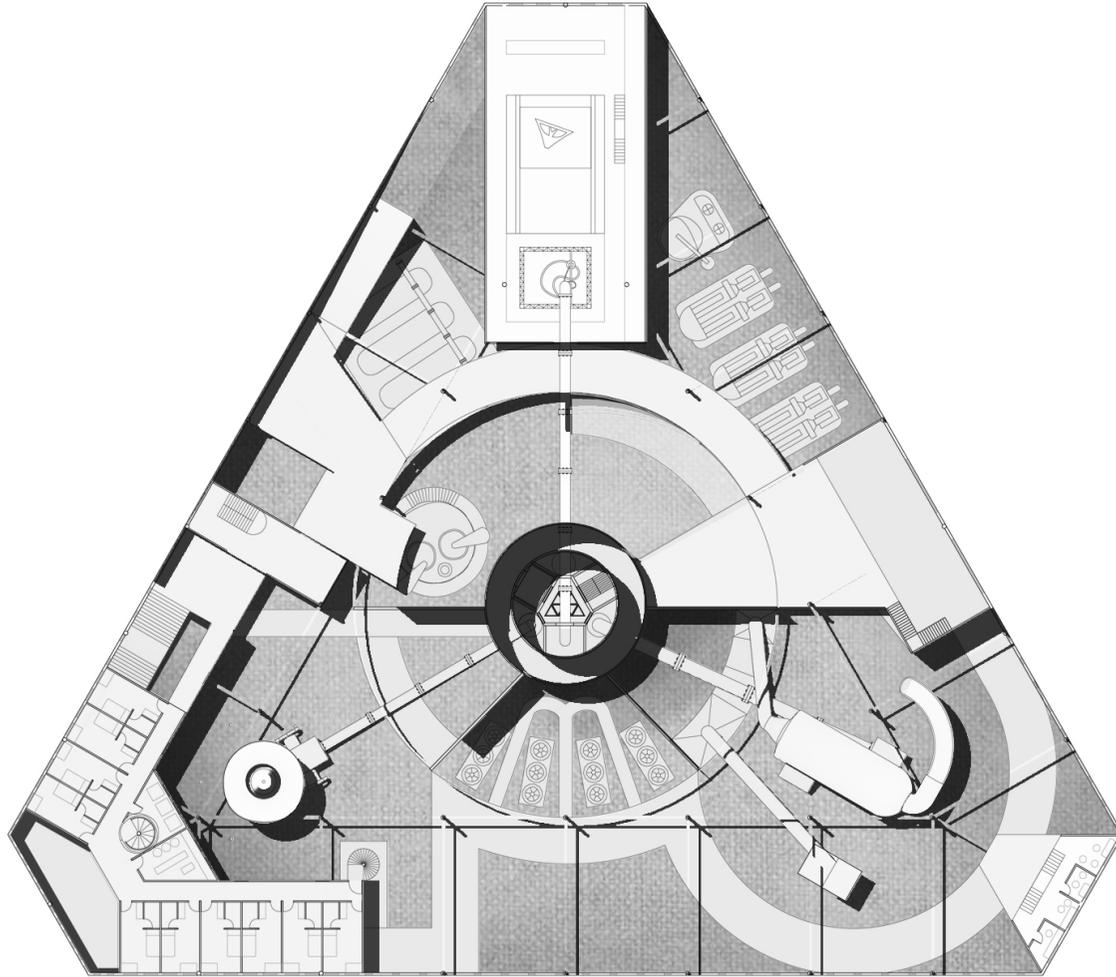
THE LANDING



DECK 01, +4m



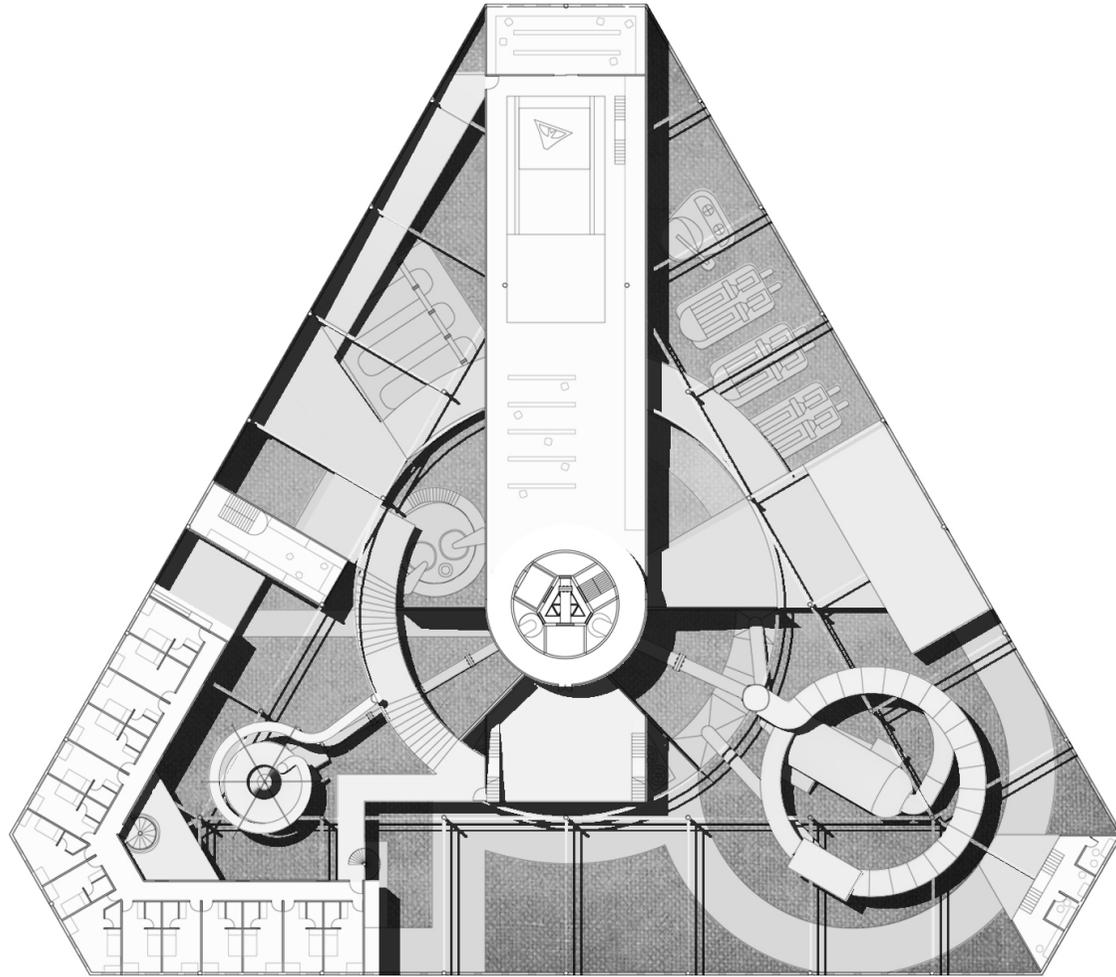
INTO THE MACHINE



DECK 02, +8m



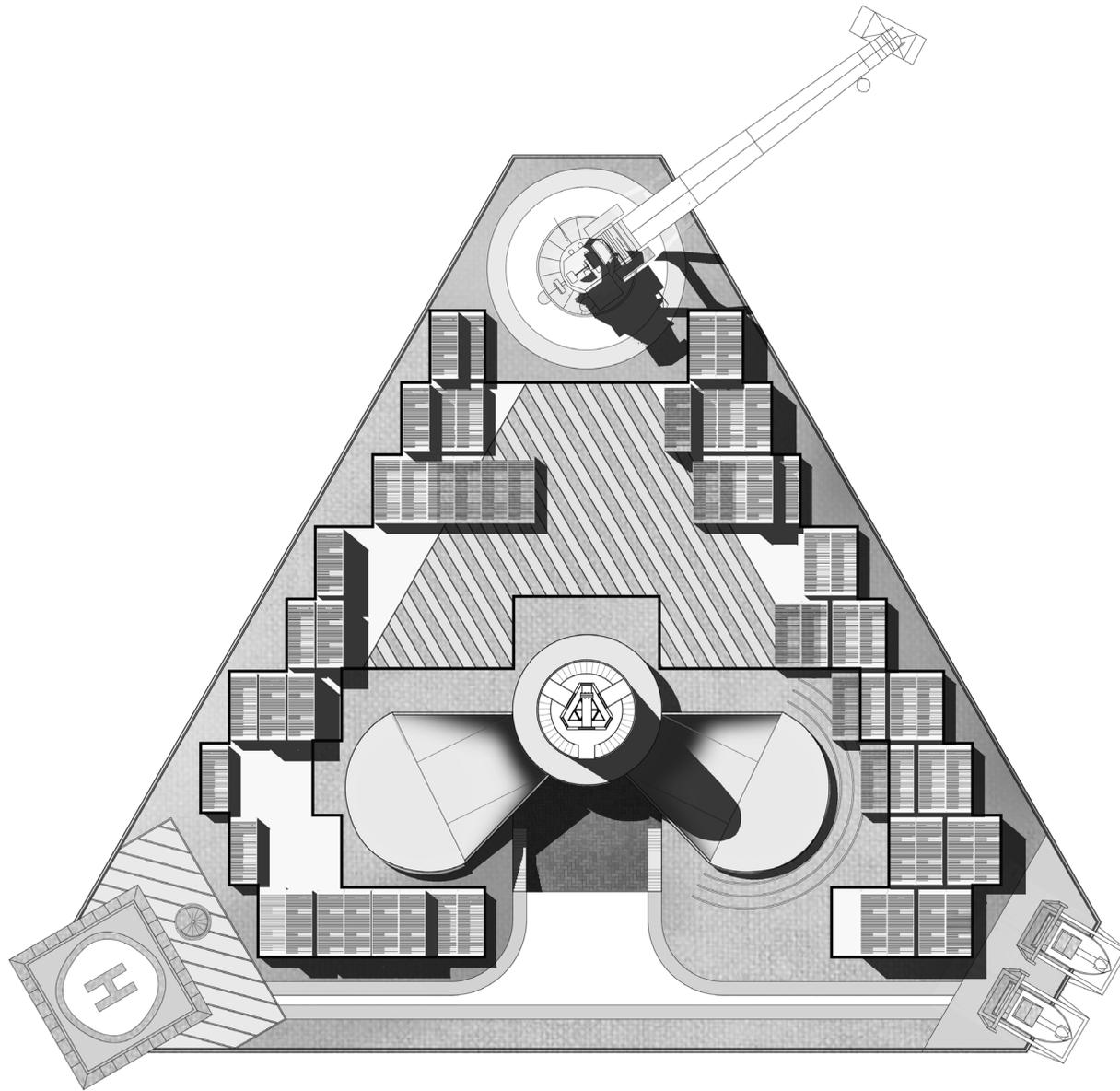
HUMAN VS. MACHINE



DECK 03, +12m



ASCENSION

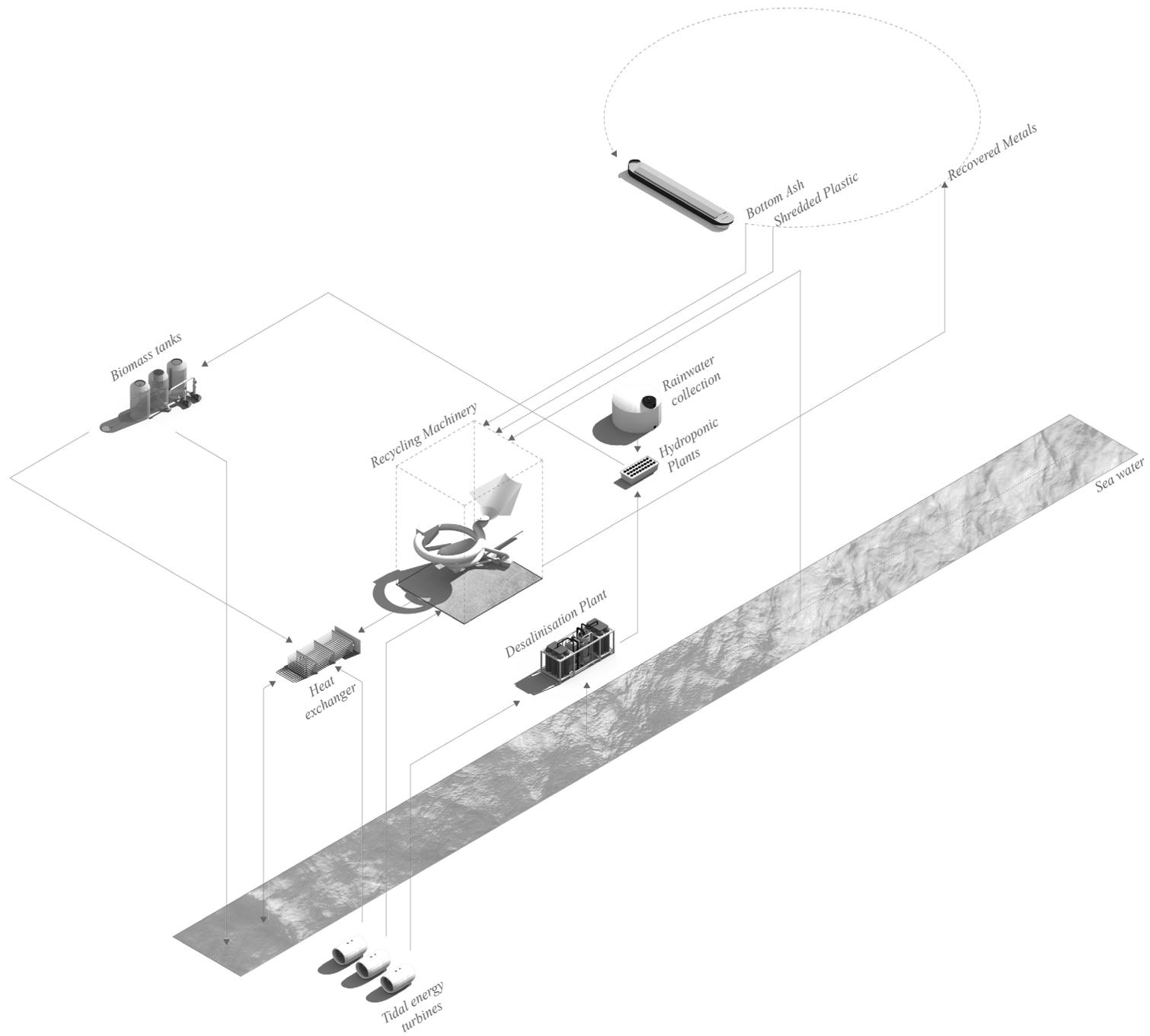


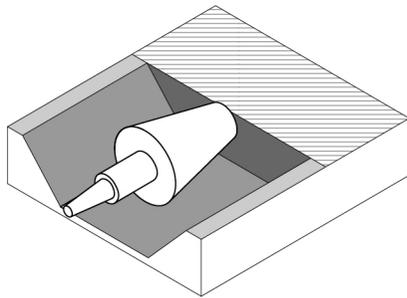
ROOF DECK, +16m



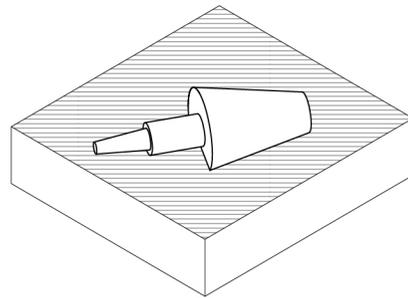
FRESH AIR

Building Systems

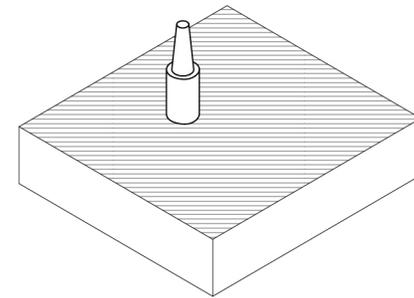




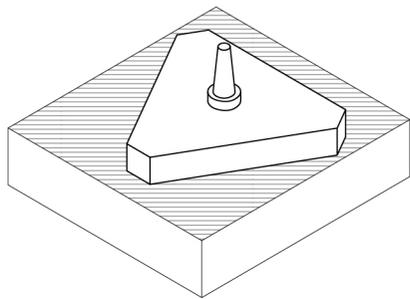
01. Dry dock construction of core



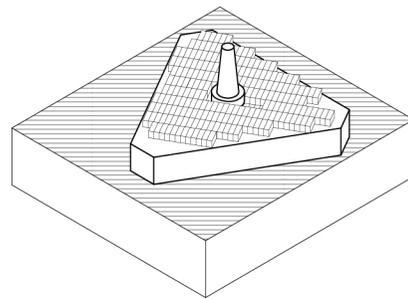
02. Core floated to site



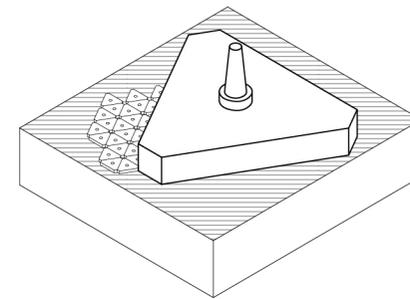
03. Core is ballasted upright



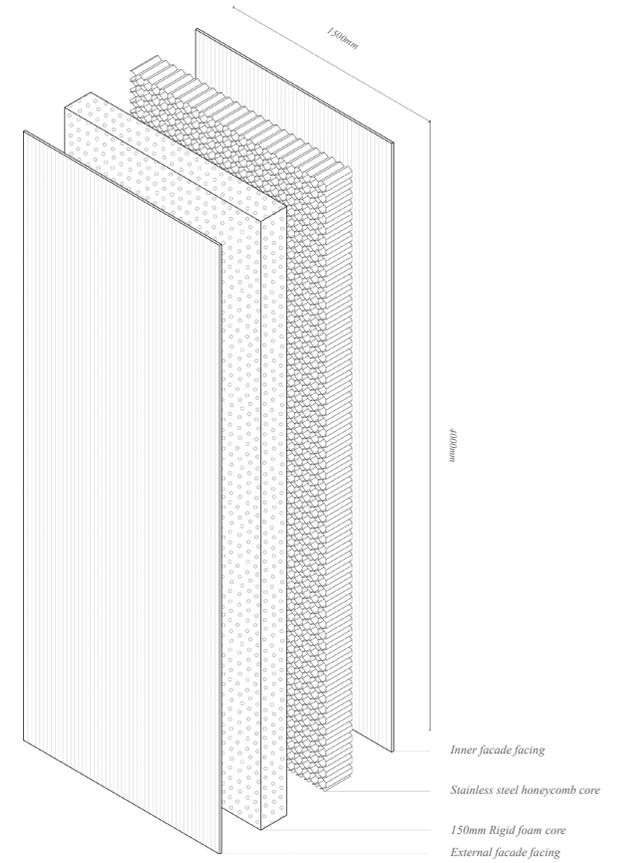
04. Topside lifted into place



05. Platform becomes occupied



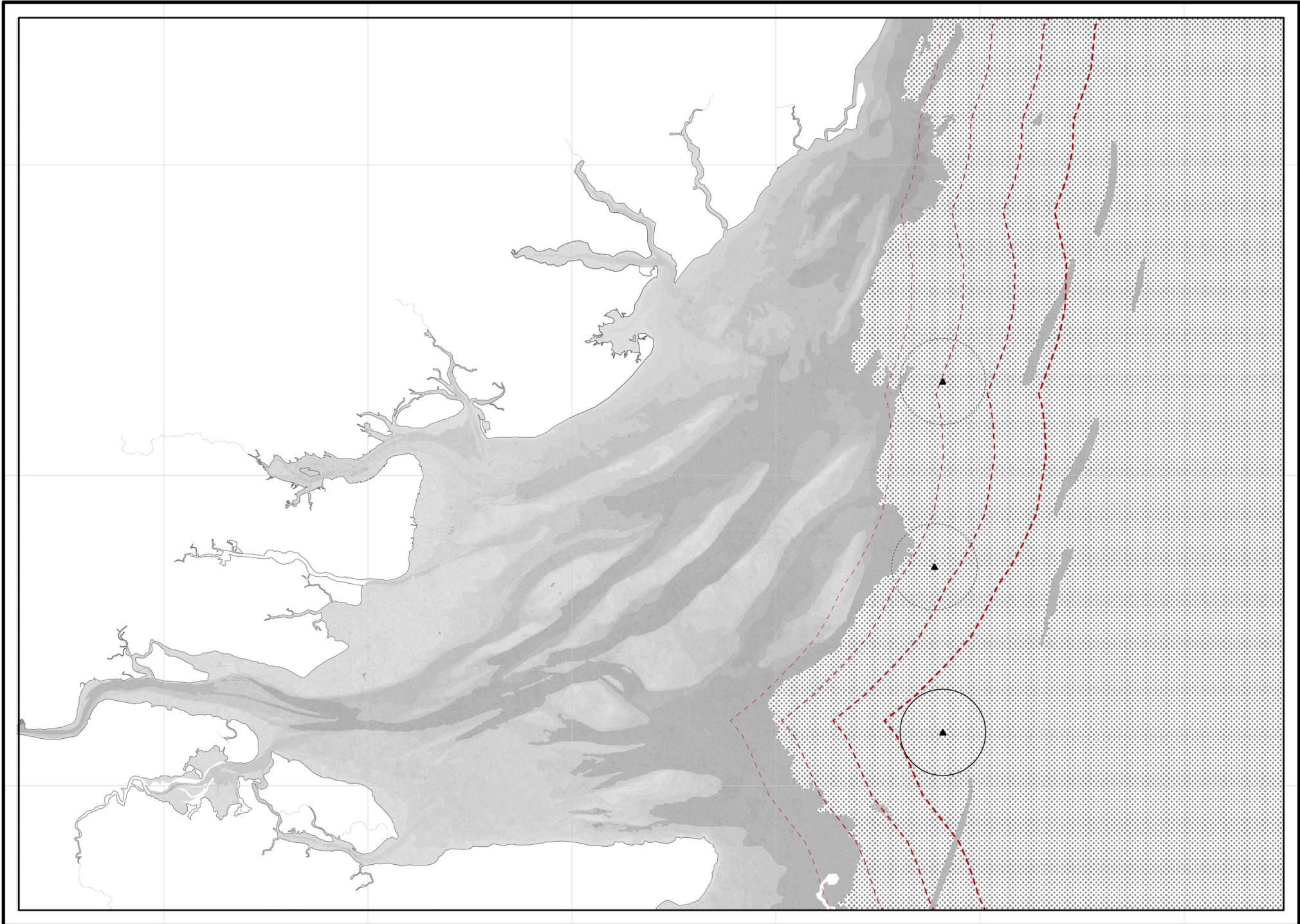
06. Island formation



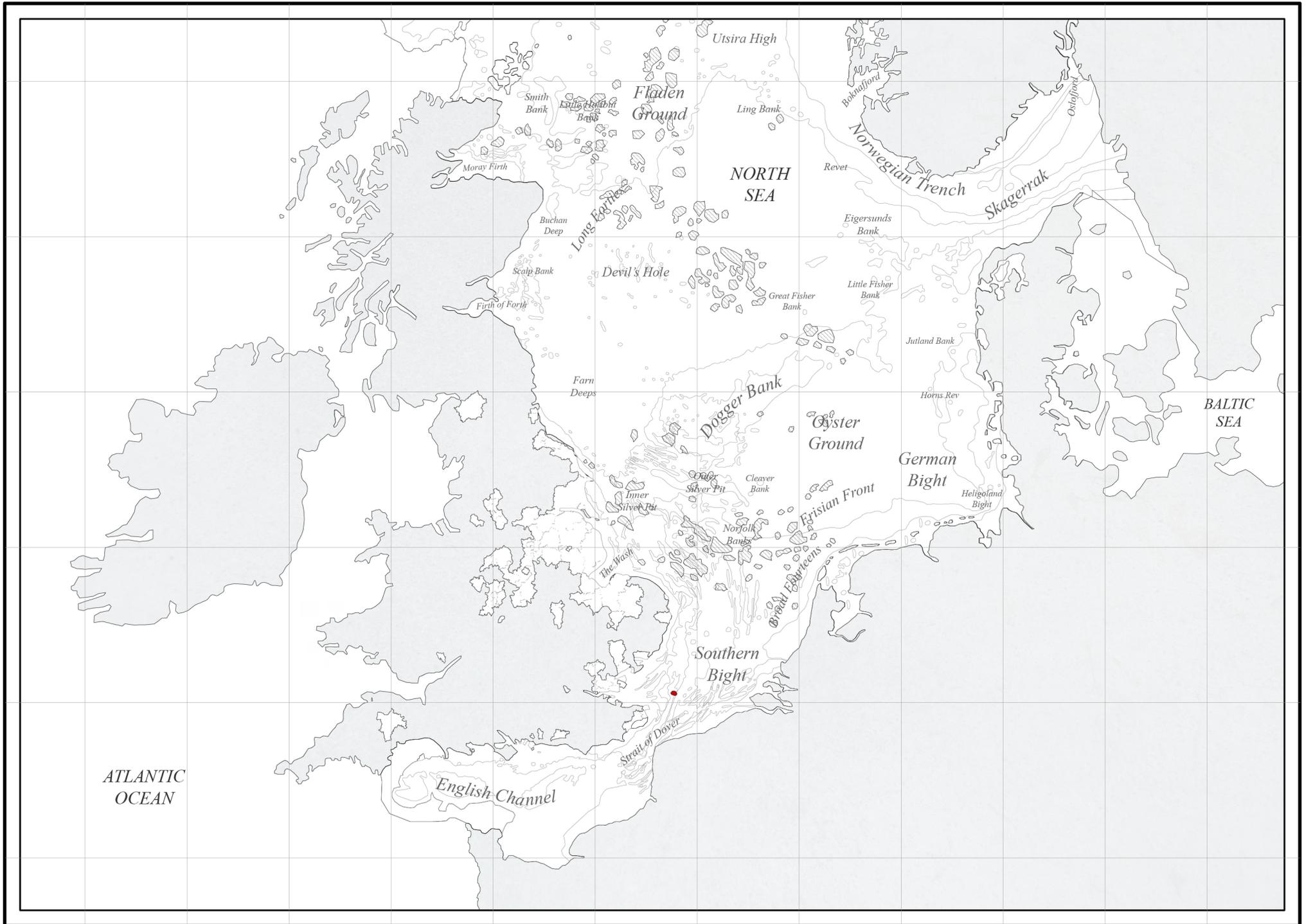
FACADE MATERIAL



SITE PLAN

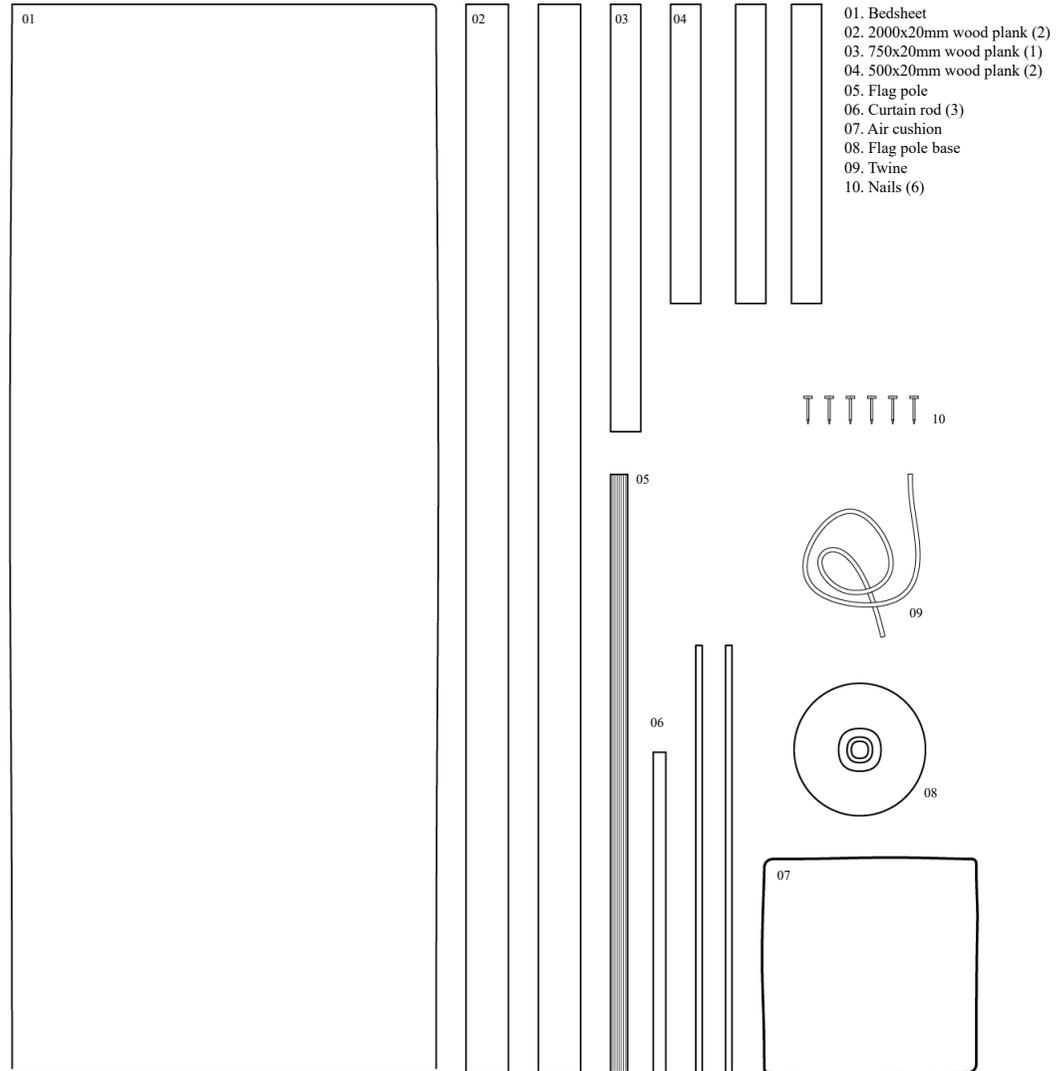
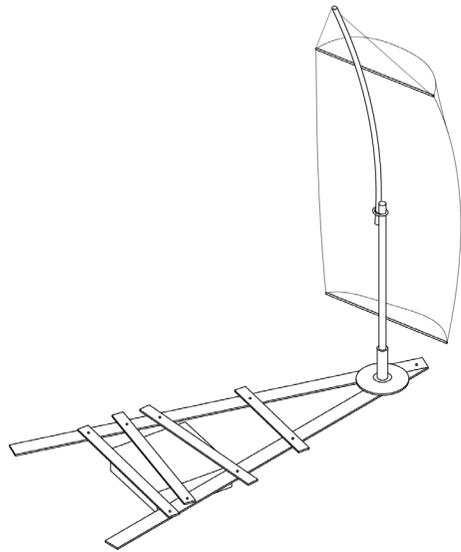


TERRITORIAL PLAN



POST-BREXIT NORTH SEA

The Young Man





REFLECTION