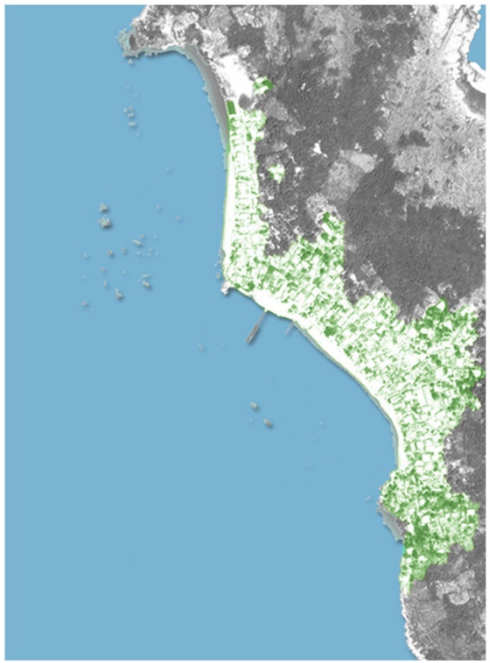
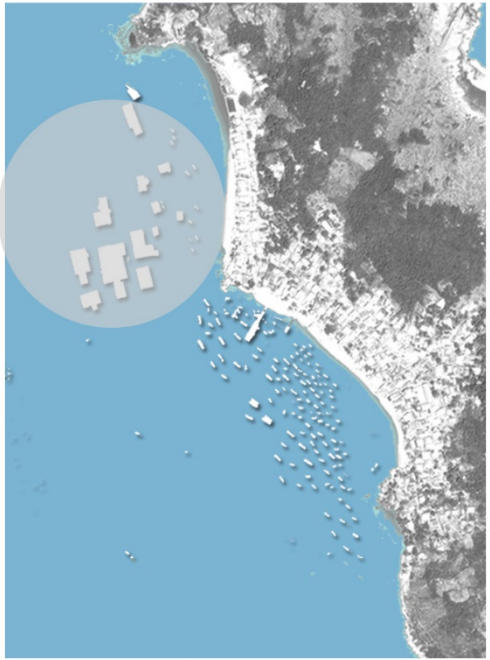
DỰ ÁN “**ĐẢO BÌNH HƯNG**”



Current location of residental region



Current location of floating cages

DAILY ACTIVITIES

EARLY MORNING MARKET

ENVIRONMENT

FOOD PROCESSING FOR **LOBSTER**

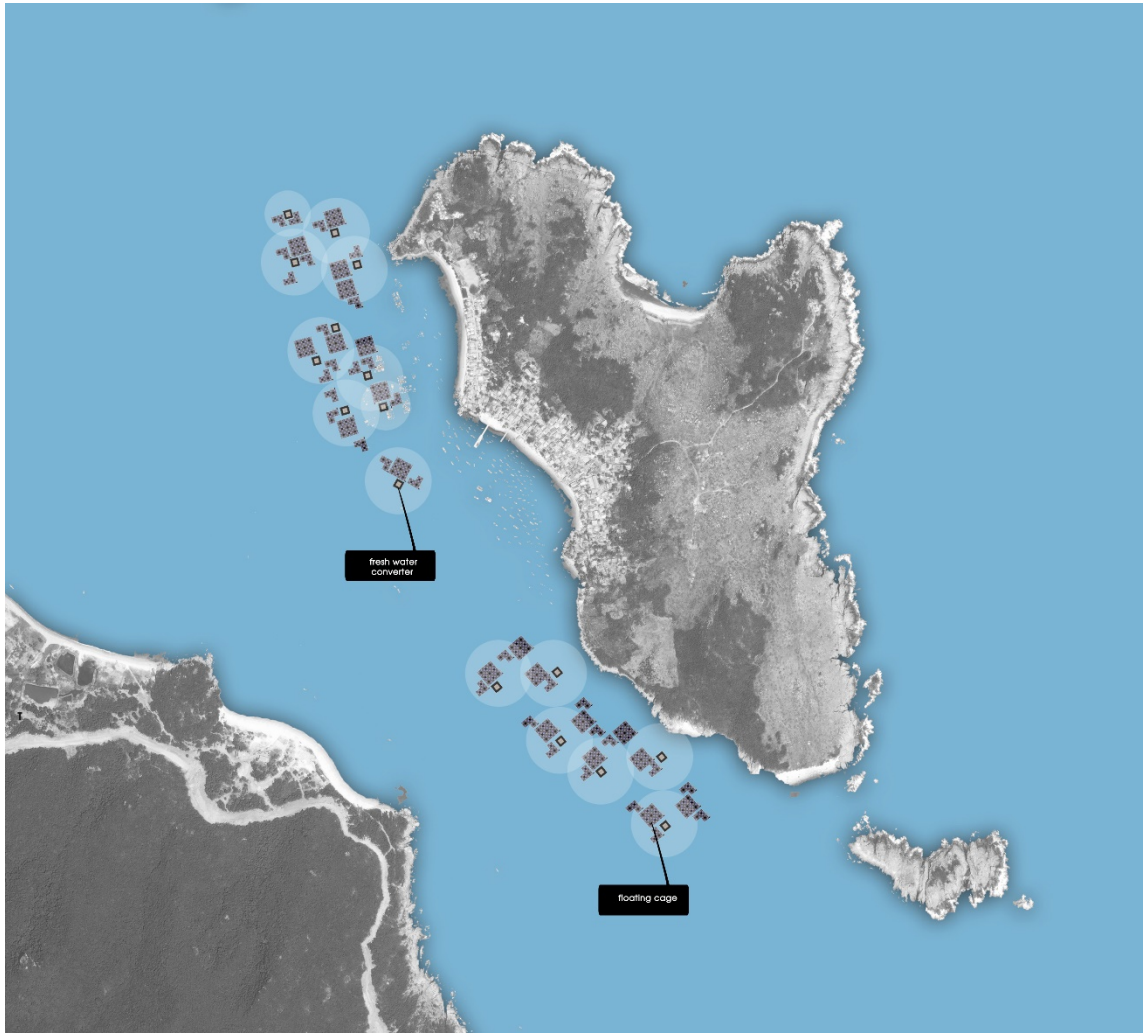
HARVESTING

MODEL OF
CONVERT FRESH WATER
FROM SEA

MODEL OF
PLACING
FLOATING CAGES

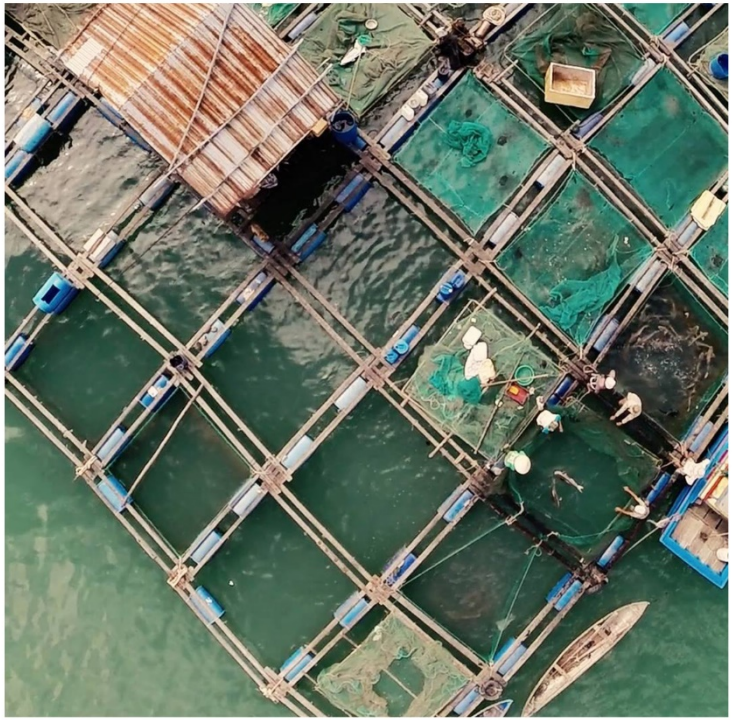
MODEL OF
FLOATING HOUSES

MODEL OF
WASTE TREATMENT

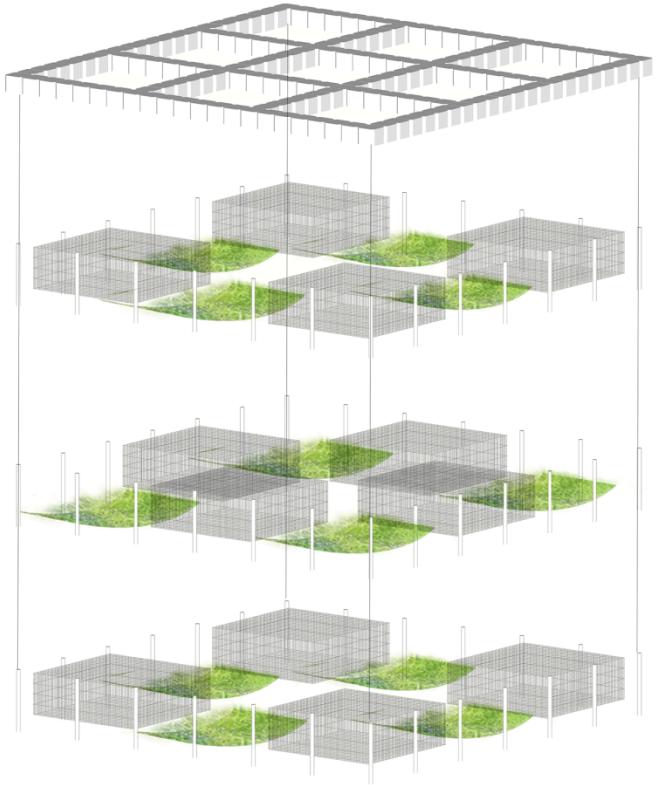

fresh water converter
floating cage

MATERIAL OF FLOATING CAGE

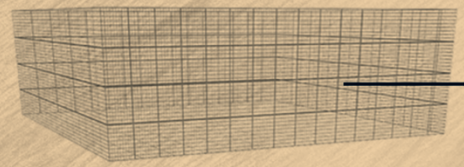
TRADITIONAL FLOATING CAGE



HDPE FLOATING CAGE

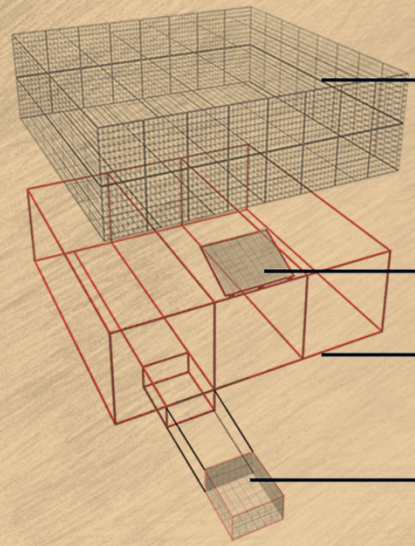


WASTE



NET

Covering net inside with grid 10-20 mm to avoid from lossing lobsters.On the other hand,it´s function is ovoid from wasted nutrients can get outside



NET

Covering net out side with grid 30-40mm to avoid from lossing lobsters.On the other hand,the net have function to keep waste soilds (lobster's shells;crab's shells...

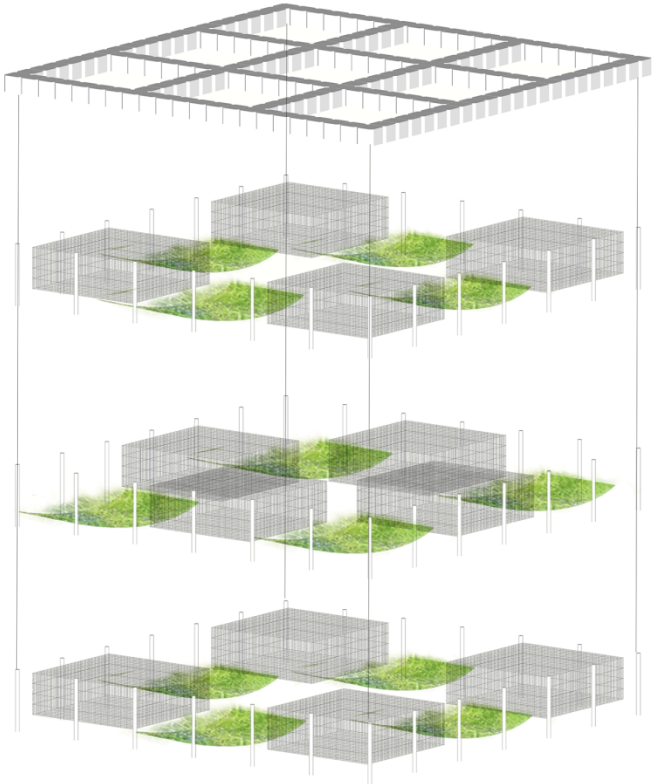
WINDOW

Window size 600x600mm for feeding

CAGE

Iron frame with diameter 20mm

TRASH BOX



SOLUTION

Echeuma Cottonii nets is interleaved with lobster cages for filtration water and improving oxygen

HDPE FLOATING CAGE

HDPE floating cage size 4000x4000mm made by welding single HDPE floating module size 1000x1000mm

ECHEUMA COTTONII

Echeuma cottonii seeds is cultured by net

There are 3- lobster cage layers.Lobster cages in each of layer is interleaved for improving water flow

1ST LAYER

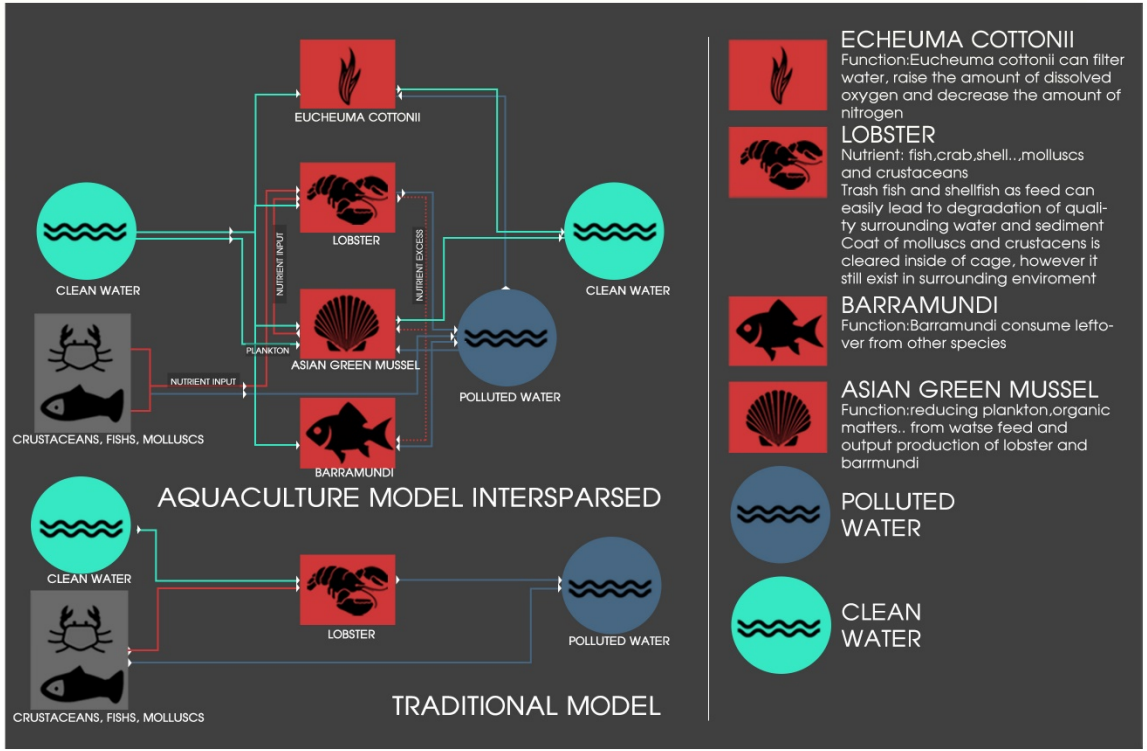
WOOD COLUMN

Asian Green Mussel live by attack to wood column which is hanged around lobster cages

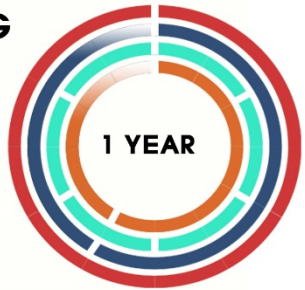
Green Mussel wooden column is interleaved with lobster cages for cleaning surrounding water

2ND LAYER

3RD LAYER



HARVESTING TIME



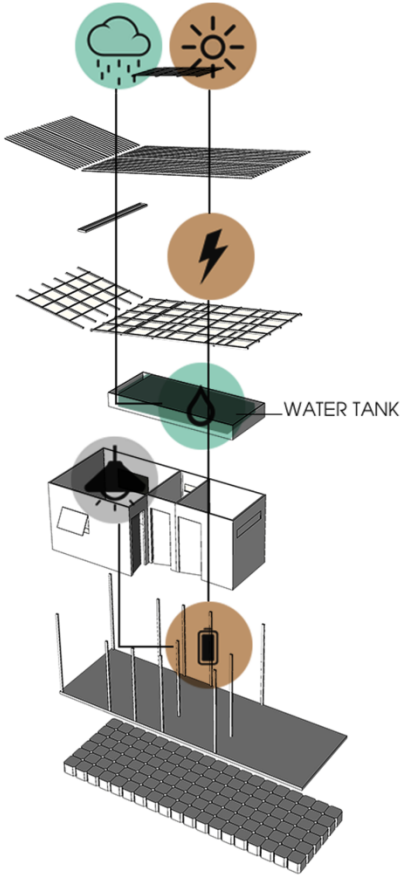
LOBSTER
Rearing period: 12-15months
Tempurature: 25-32 °C

BARRAMUNDI
Rearing period: 7-8 months
Tempurature: 24-28 °C

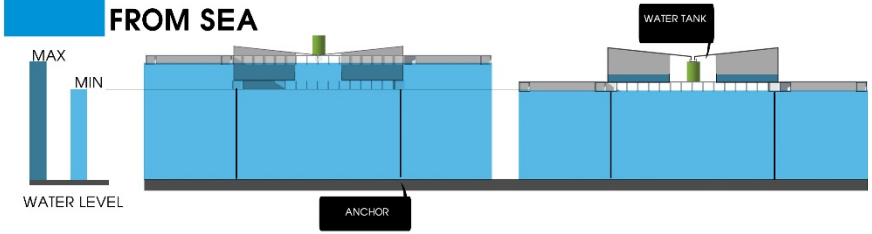
EUCHEUMA COTTONII
Rearing period: 2-3 months
Tempurature: 25-28 °C

ASIAN GREEN MUSSEL
Rearing period: 7-8 months
Tempurature: 23-30 °C

MODULE HOUSE

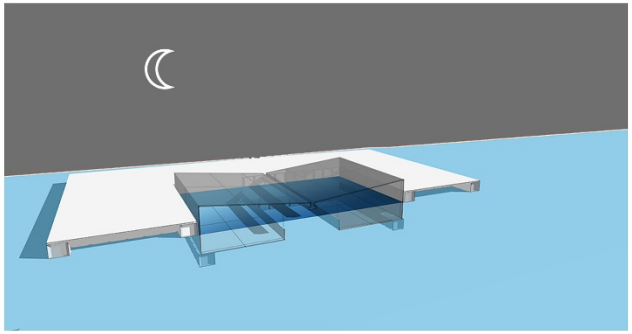


MODULE
CONVERT FRESH WATER FROM SEA



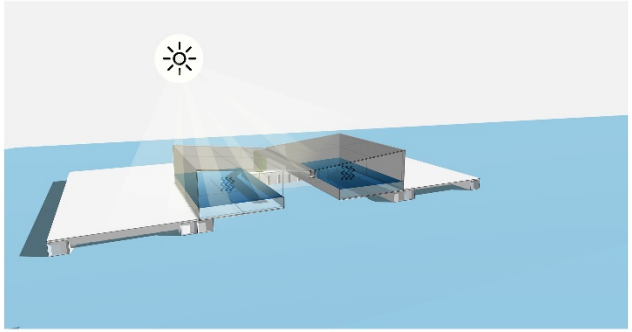
OPERATING PRINCIPLES OF COLLECTING FRESH WATER

This method is a module with a floating dock. A water tank is placed on that board. There is a water system located under the sea. This system has two main part, a water tank and a sloped roof for bringing water in.

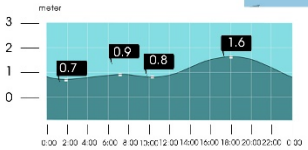


WHEN THE TIDE COMES UP, the tank will sinks down to the sea and will be filled up with water

WHEN THE TIDE COMES DOWN, the tank will floats up along with the water it holds inside. This water will be heated under the sun, steam up and follow the sloped roof to the "clean" water tank.



DISTRIBUTION OF TIDAL IN A DAY



ACTIVITIES

BGG 1576 D

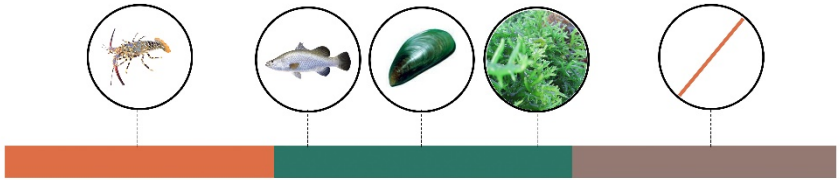
BGG 1807 D

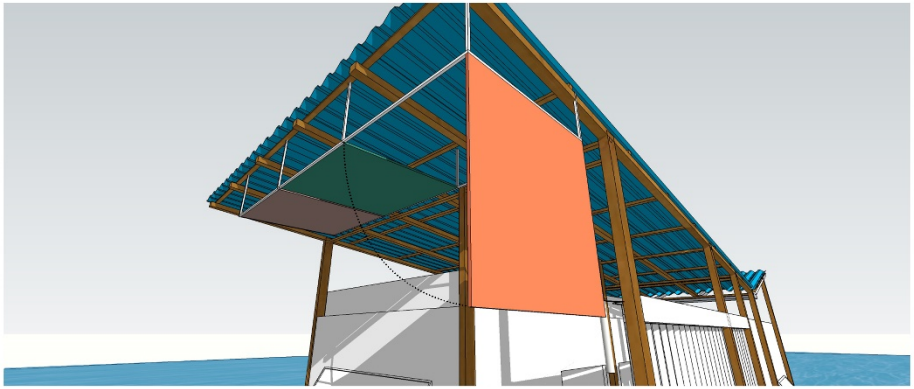
YO 1211 A

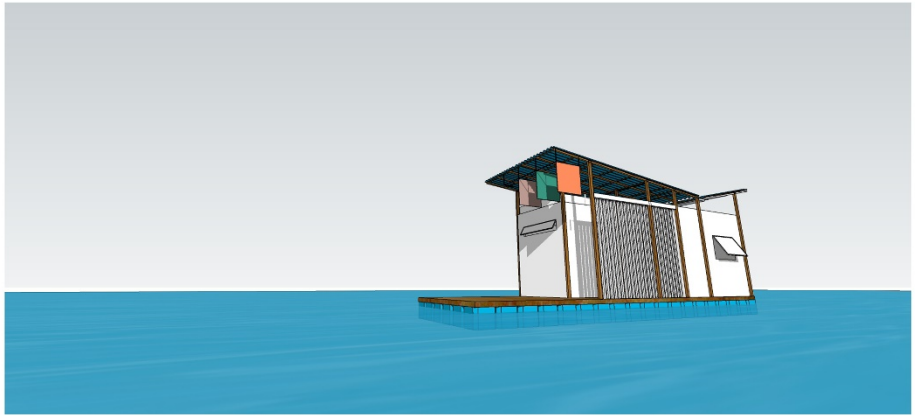
OW 1044 P

N 1882 T

COLOR

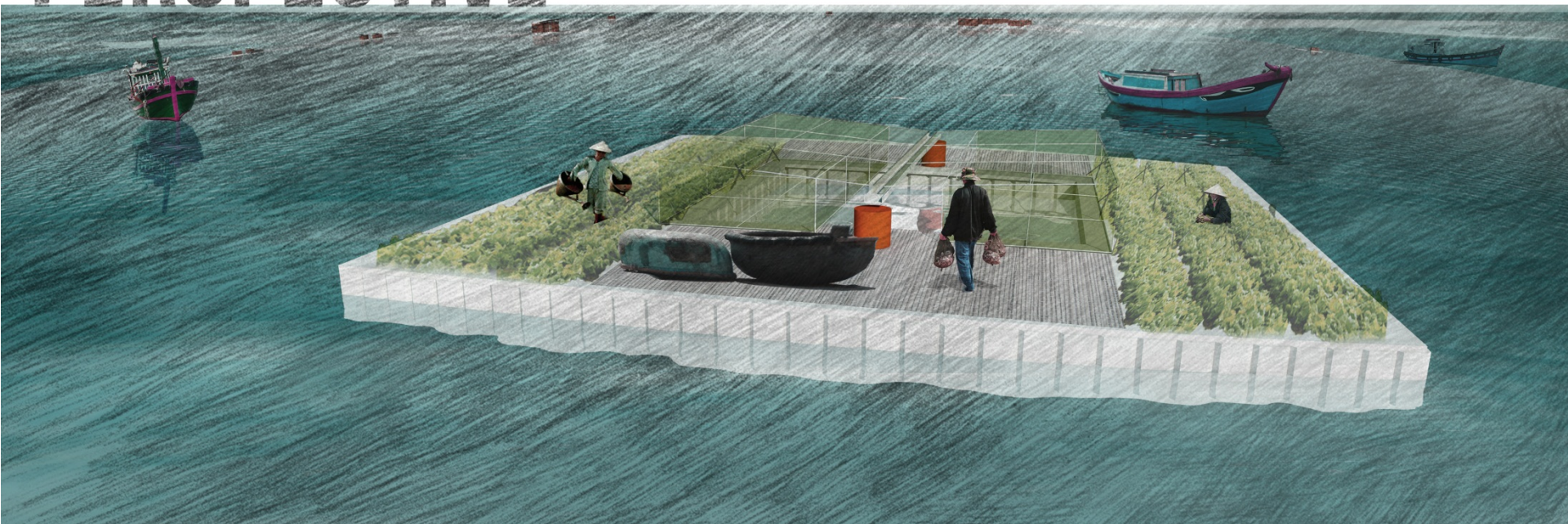






COLOR

PERSPECTIVE



PERSPECTIVE

PERSPECT