

Infirmière de la mer / SEA NURSE

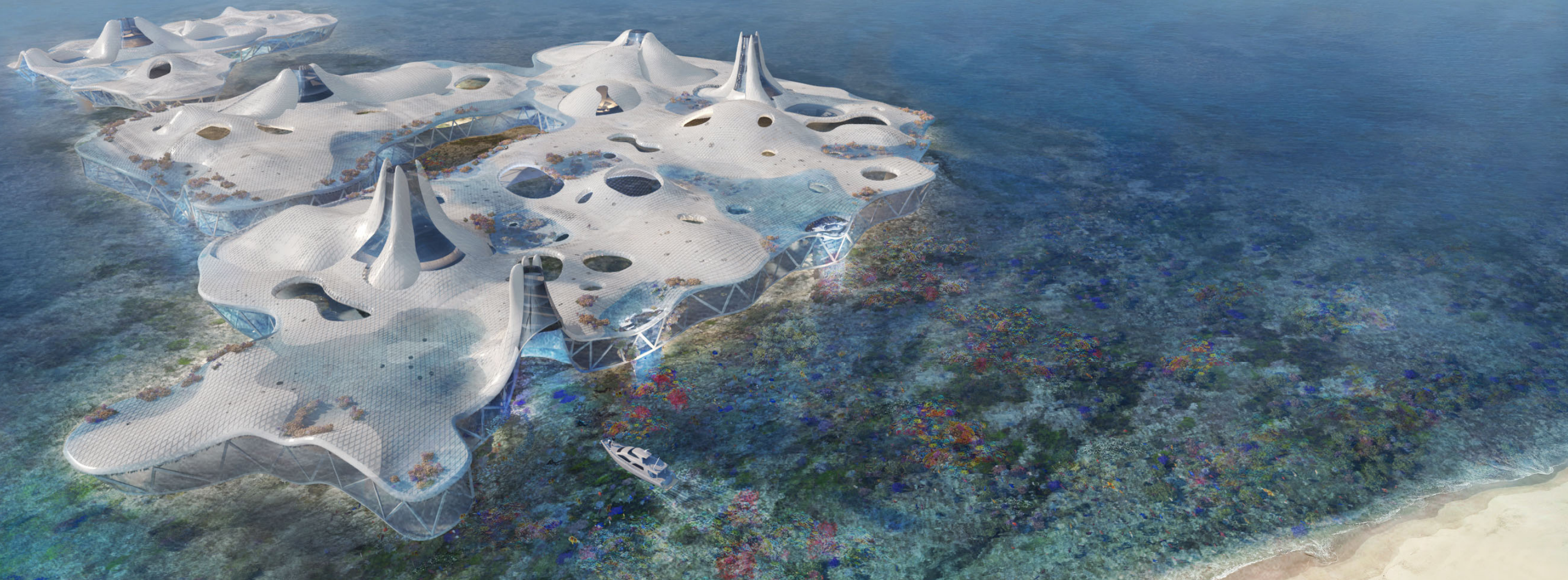
Sea Nurse is the sustainable learning center to restore the various marine environment by regenerating coral reefs bleached by the global warming.

Equipe :

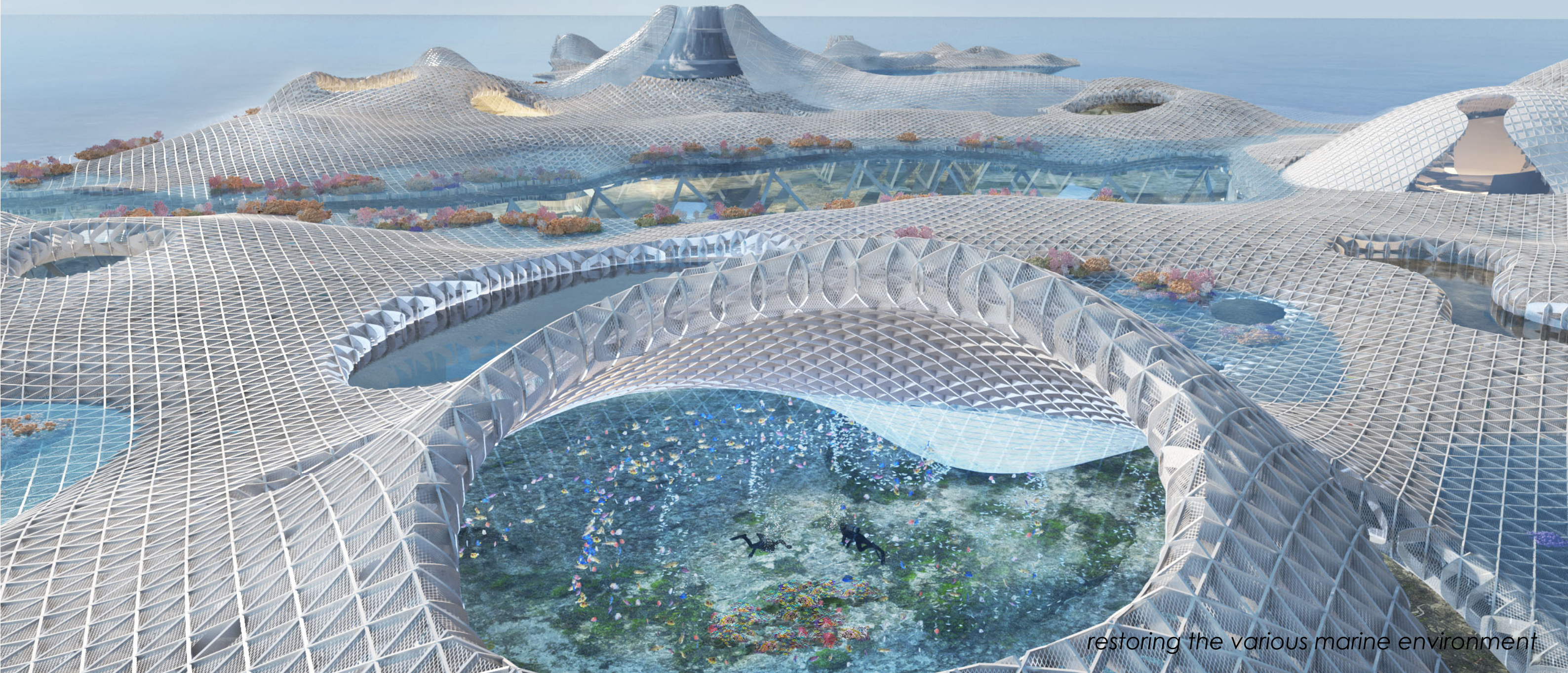
Wataru MARUYAMA Marina OUCHI Sei MABASHI
Yoshitomo IZUMI Syungo KUSANO Yudai MOTOMURA Yuto TAUCHI

Pays :

JAPAN

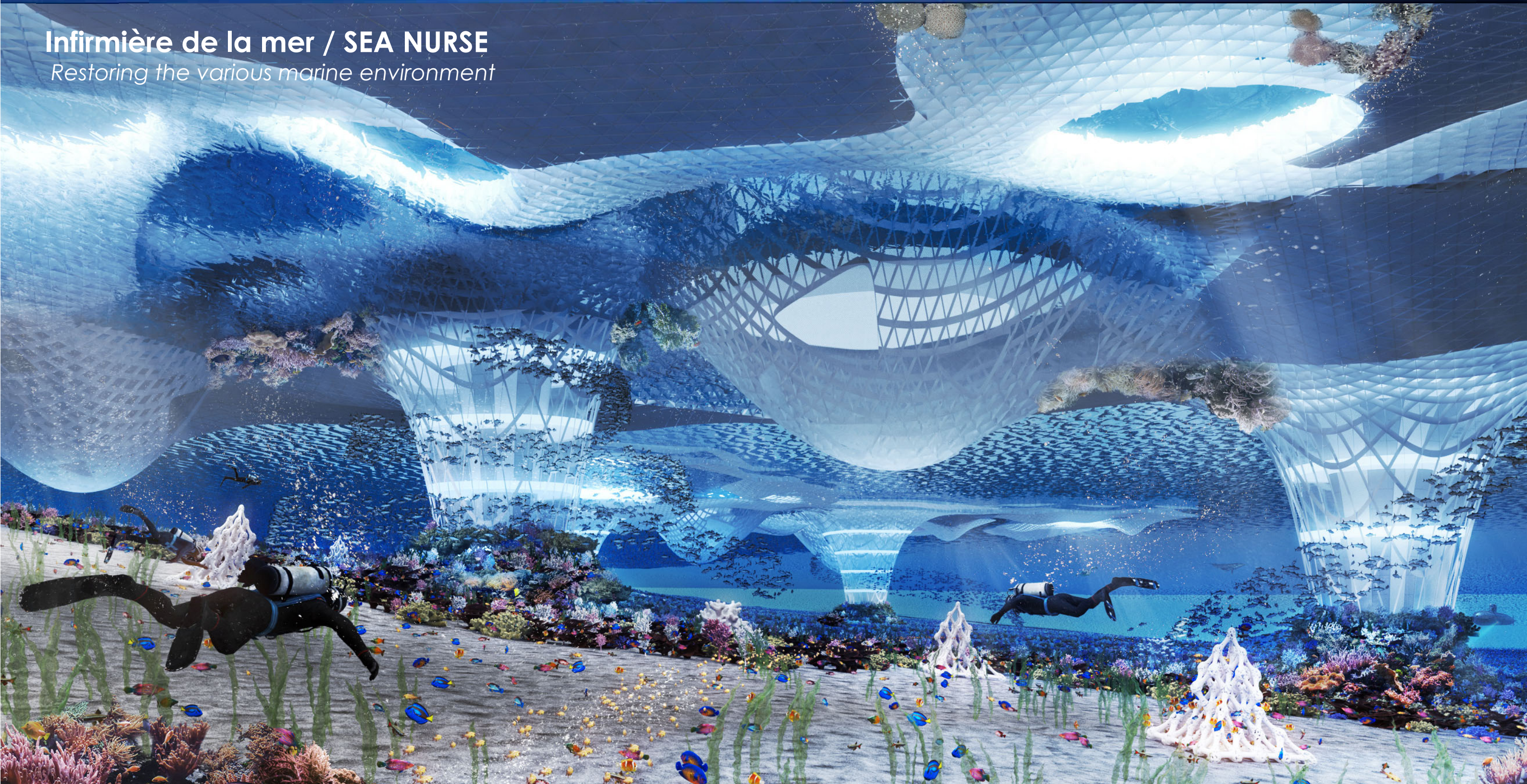


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Biomimetic Landscape

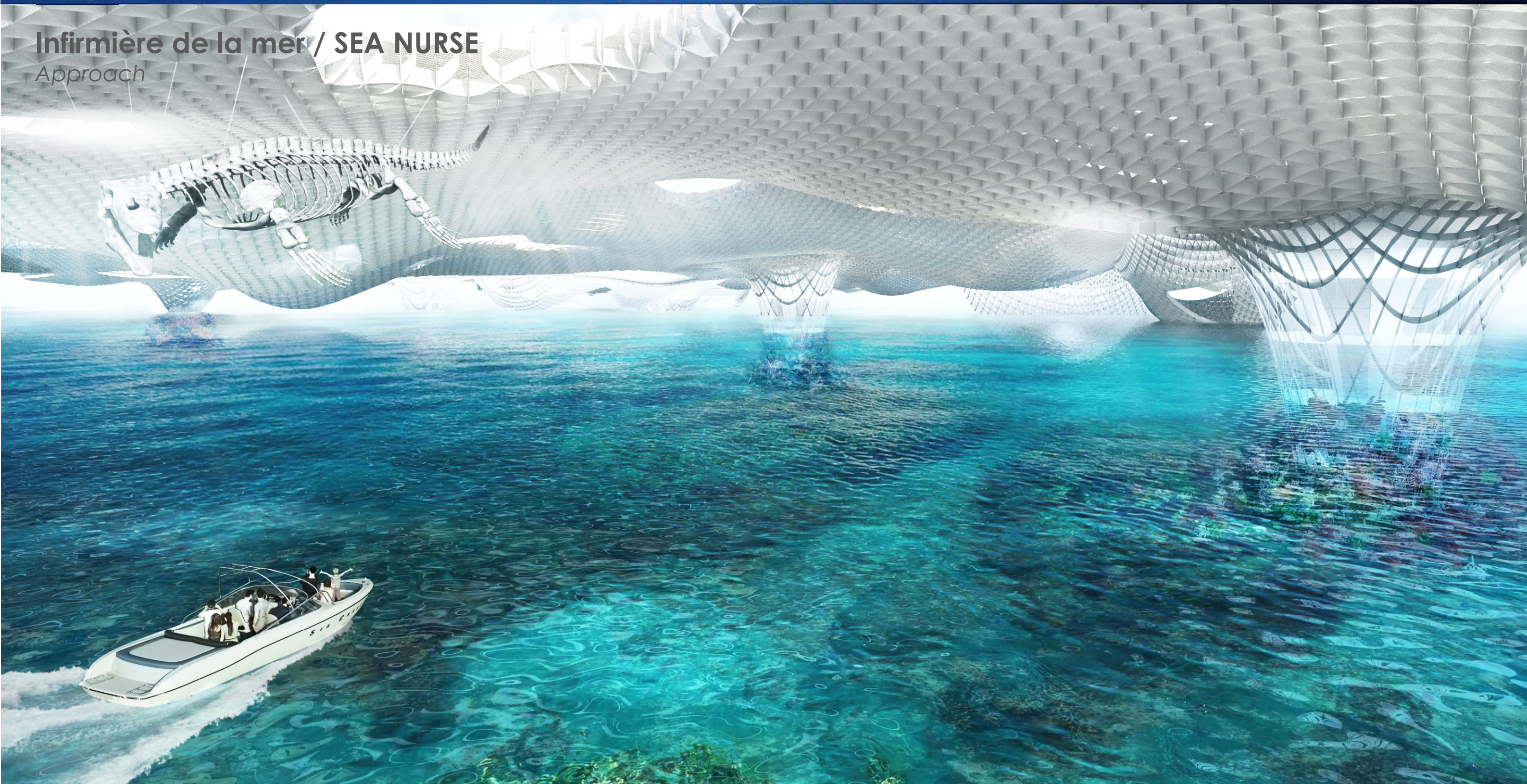


restoring the various marine environment

Infirmière de la mer / SEA NURSE
Restoring the various marine environment



Infirmière de la mer / SEA NURSE
Approach

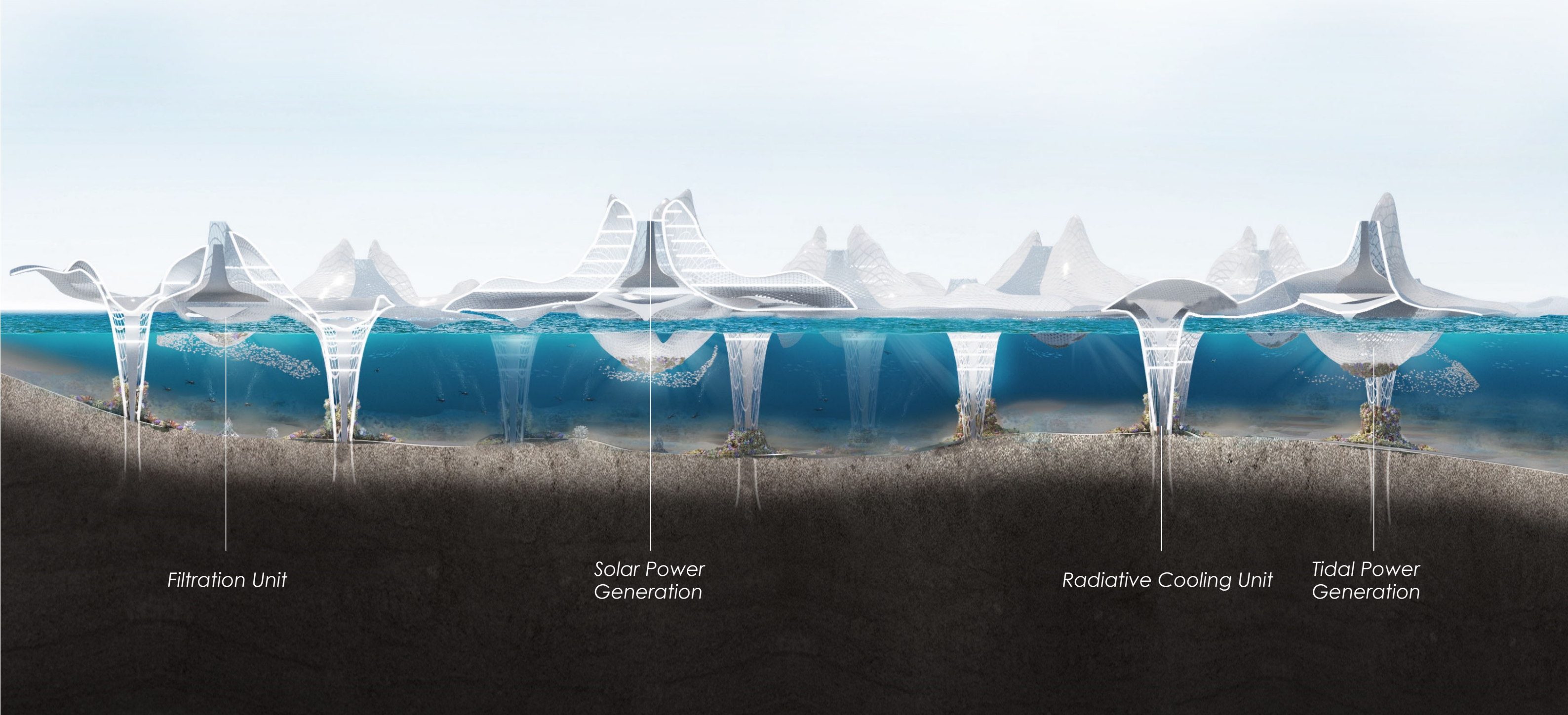


Infirmière de la mer / SEA NURSE
Exhibition Space



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Minimal footprint and infrastructure for bio-diversity



ENVIRONMENT

Coral Bleaching due to Deterioration of Marine Environment and Ecosystem



*RISING SEA
TEMPERATURE*



MARINE POLLUTION



BLEACHED CORAL REEF

ARCHITECTURE GROWING SYSTEM

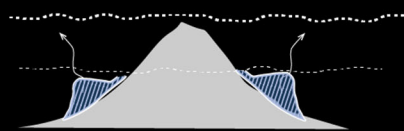
Introducing the Natural Cycle of Coral Reef into Artificial Reef Terrain



Natural Coral Growing System

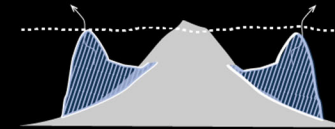
NATURE

ph.1



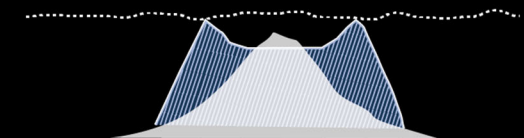
FRINGING REEF

ph.2



BARRIER REEF

ph.3

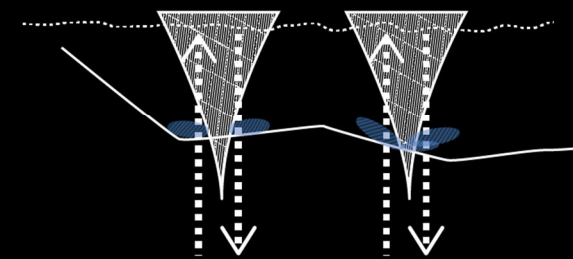


ATOLL

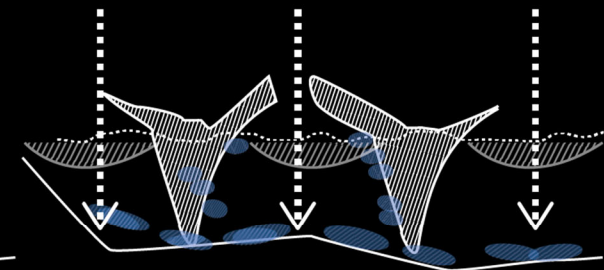


Artificial Coral Building System

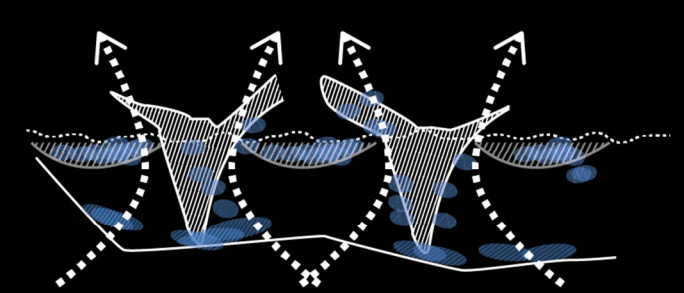
SEA NURSE



RADIATIVE COOLING UNIT



FILTRATION UNIT



VARIOUS MARINE ENVIRONMENT

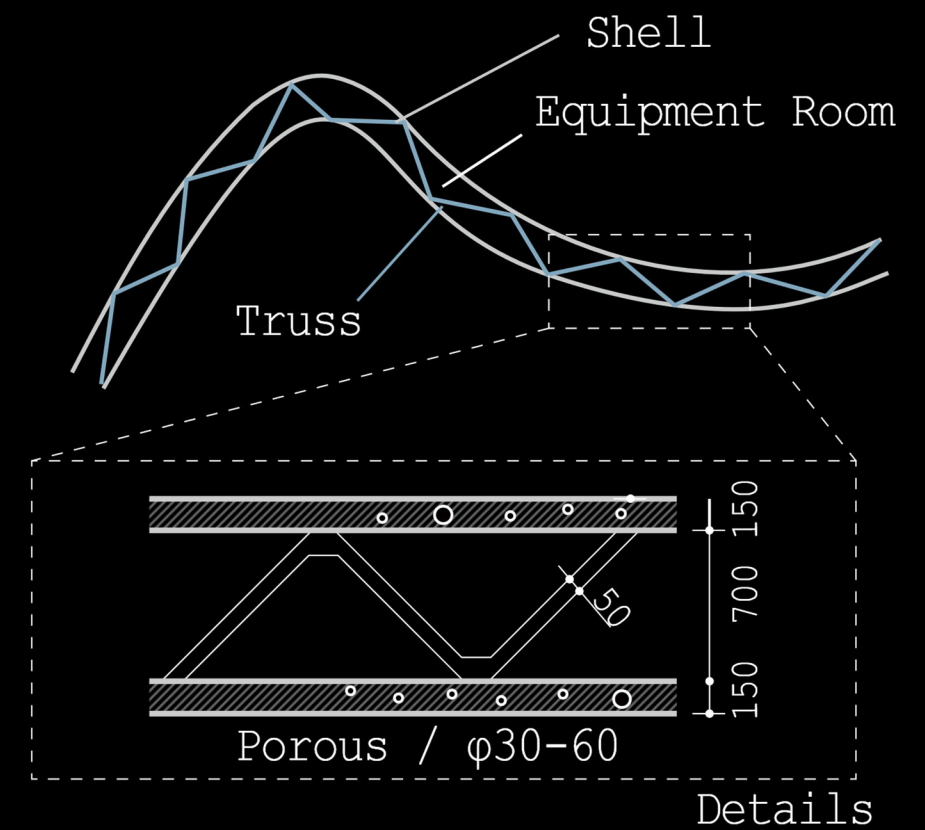
STRUCTURE SYSTEM

Biomimetic Shape Constructed by 3D Printer and Fine Ceramics, Lightweight 3D Truss Structure

3D Printed STRUCTURE



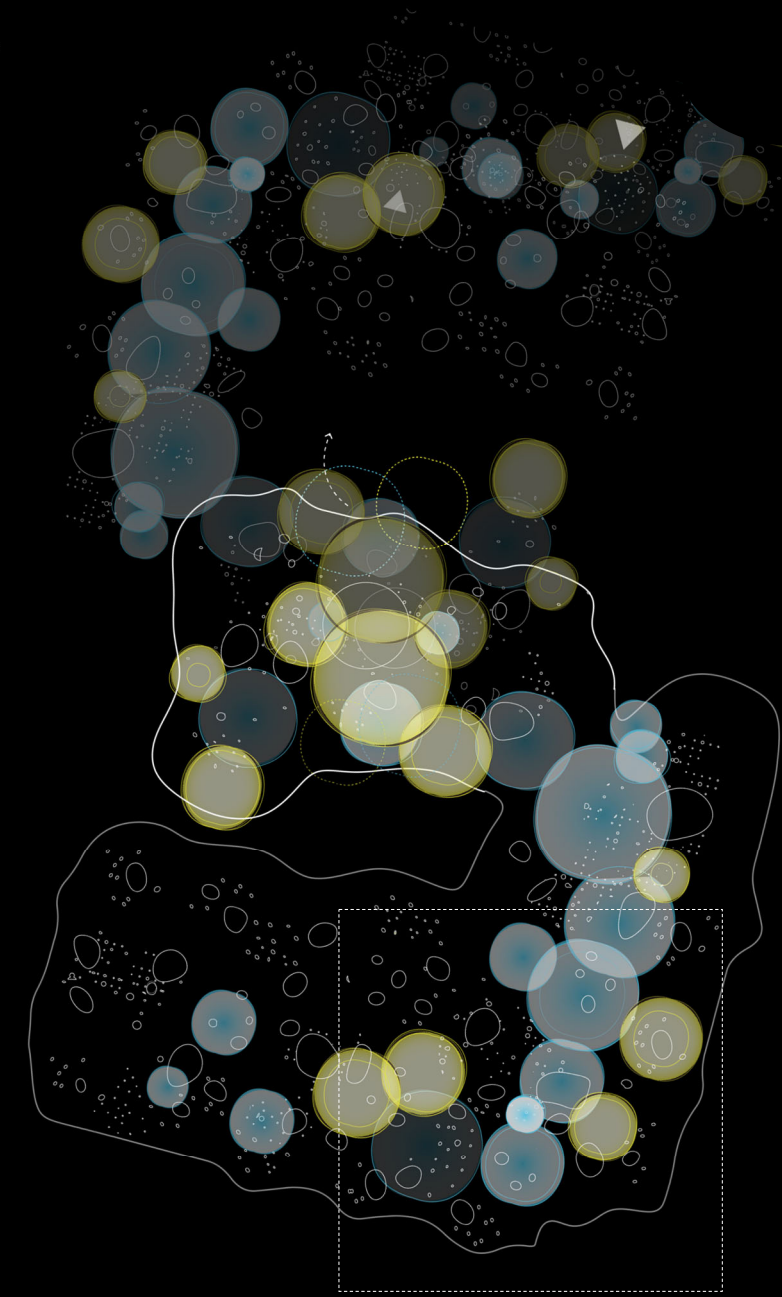
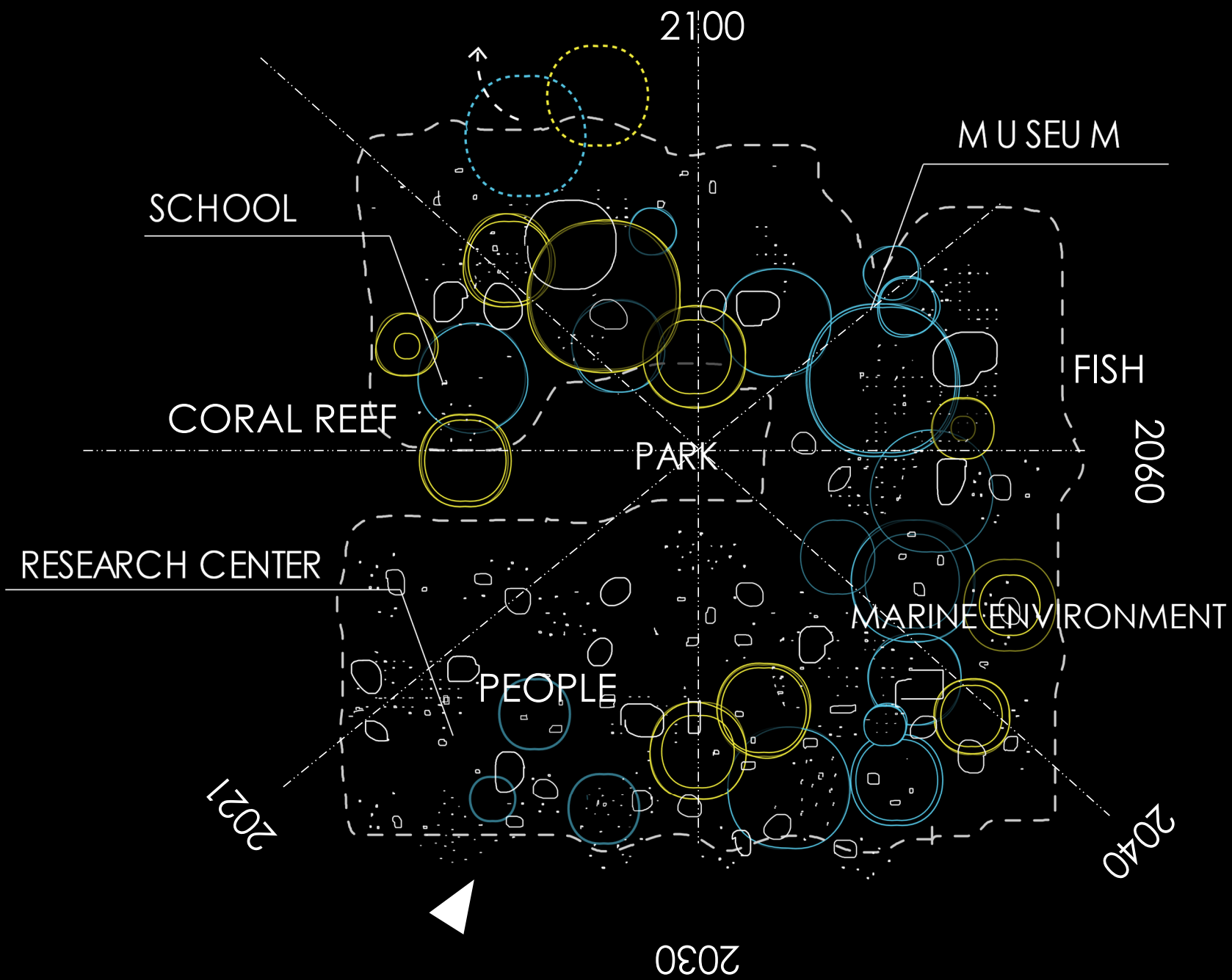
Structure of an Artificial Reef



3D Truss Frame that Maximizes Buoyancy

GROWING LEARNING CENTER

Platform where the facility of improvement and learning coexists and enlighten people



GROWING LEARNING CENTER