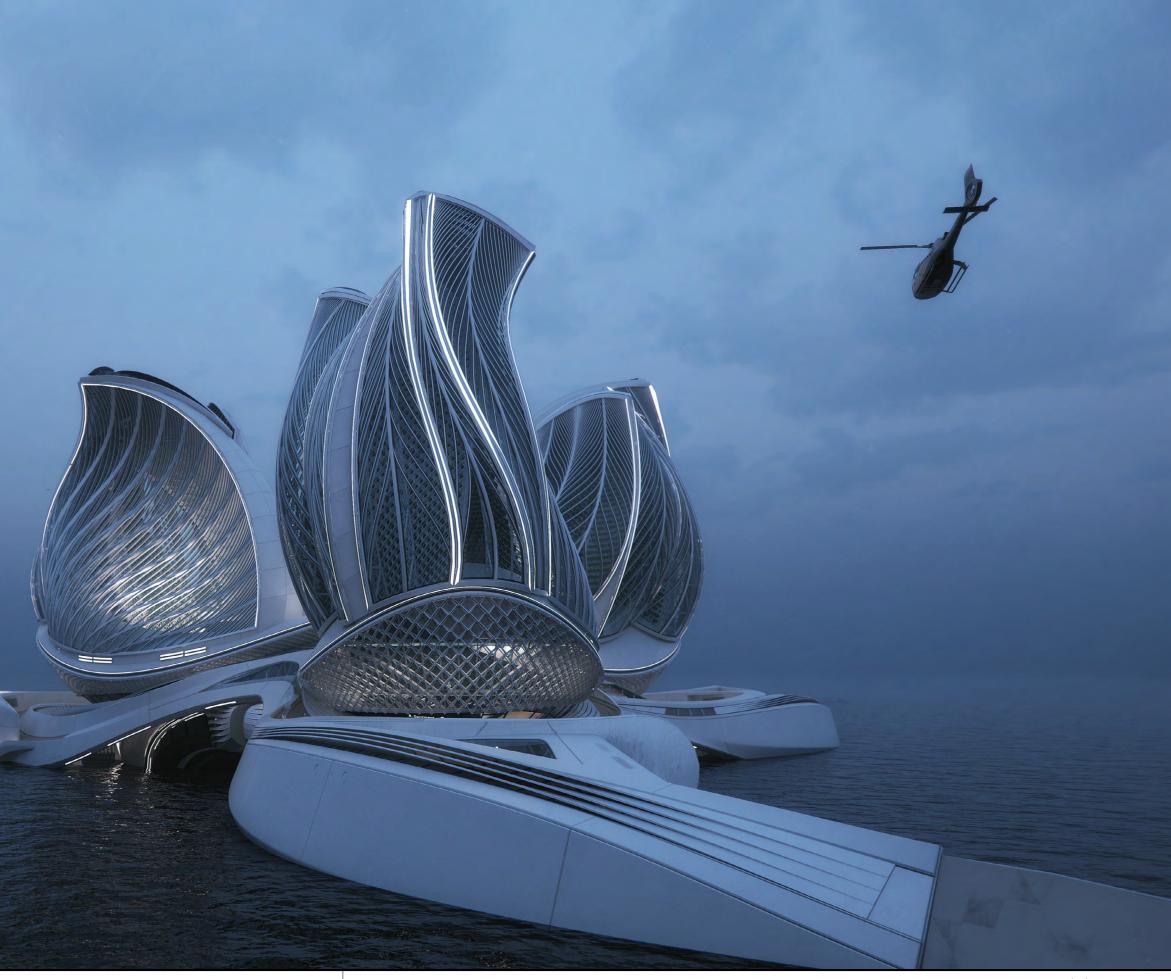
The oceans today are not just eerie and forbidden regions, but areas that, despite the fact that they may never have seen human being, feel the effects of human activities around the globe. Just marine plastic pollution has impacted at least 267 species worldwide, including 86% of all sea turtle species, 44% of all seabird species and 43% of all marine mammal species. Globally, millions of tons of trash enter the ocean each year. Due to ocean currents, this plastic waste collects in particular areas, one of them is the Great Pacific Garbage Patch (8th Continent).

8th Continent is starting location for proposed floating station which is collecting plastic debris from the surface of the water and break it down to recyclable material.

The floating Station is with different processes answering the environmental changes on site. Object connects research and education facility with ocean plastic recycle centre. Considering this target of the project is to use marine science and knowledge to showcase the increasingly troubling side of aquatic environments, not as a new phenomenon, but as the result of centuries of human – ocean interactions. This unique meeting platform should bring people to this distant environment and fight against the dilution that we cannot hurt the ocean by our action onshore.



2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

Award's category: Innovation and Architecture for the Sea

Project's Name

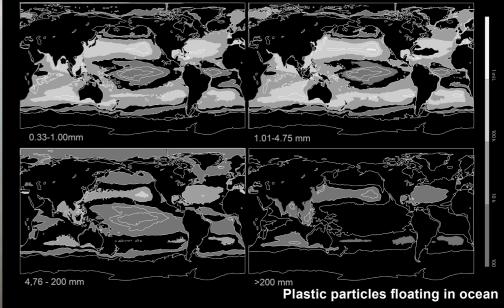
Description

The 8th Continent

Areal view - approaching the station from water

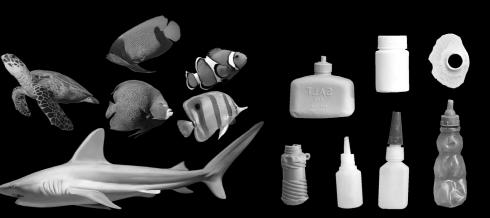






NORTH PACIFIC pieces, 2 trillion / pounds, 193 mil pieces, 530 billion / pounds, 112 mil

Plastic Particles in The World Ocean



How we imagine Life in the Ocean

What really is in the Ocean

The oceans are so vast and deep that until fairly recently, it was widely assumed that no matter how much trash and chemicals humans dumped into them, the effects would be negligible.

Proponents of dumping in the oceans even had a catchphrase:

"The solution to pollution is dilution."

Today we know it was just Illusion and over the time we replaced the vivid ocean life with plastic pollution and poisoned our food chain.

2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

Award's category: Innovation and Architecture for the Sea

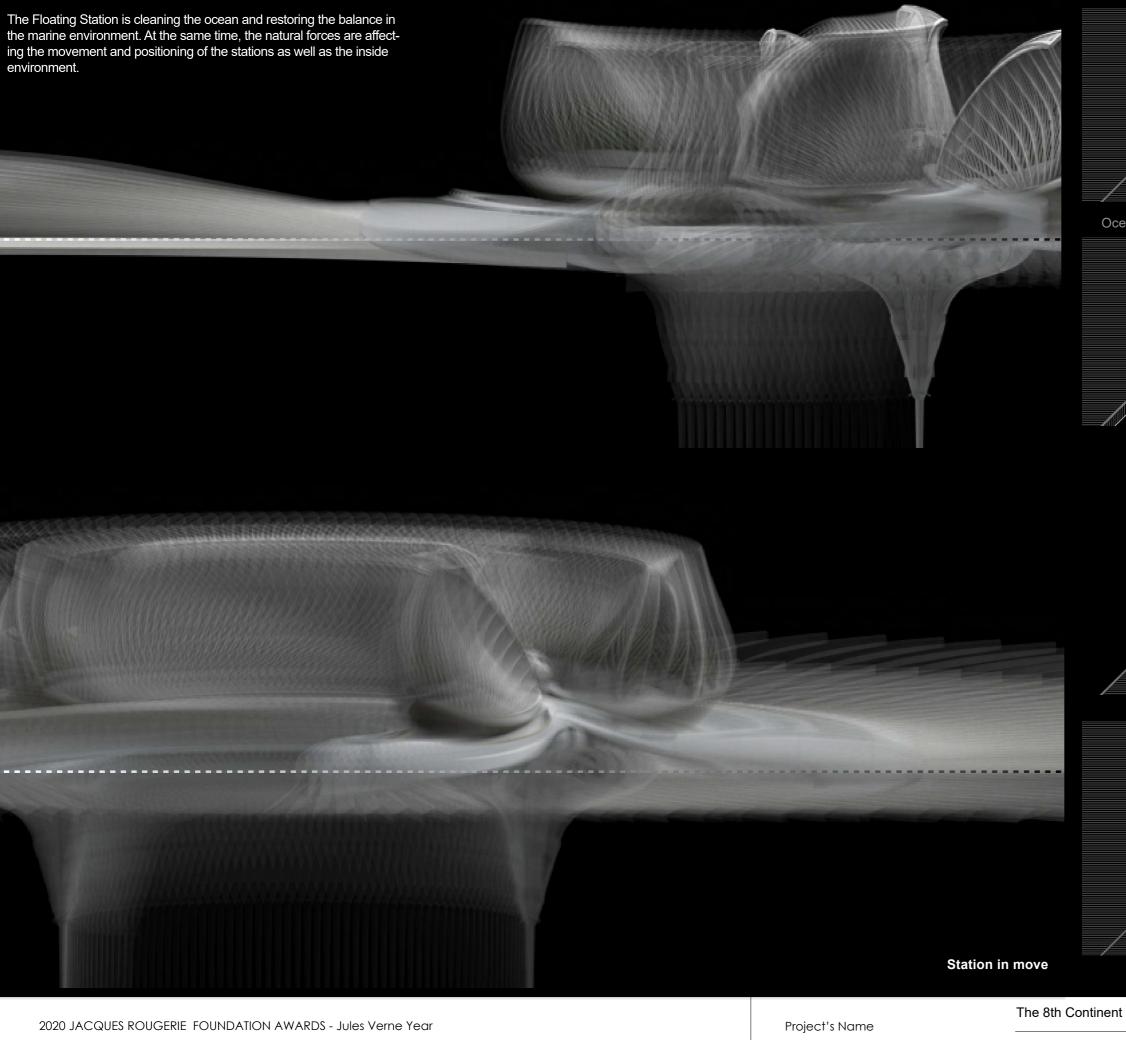
Project's Name

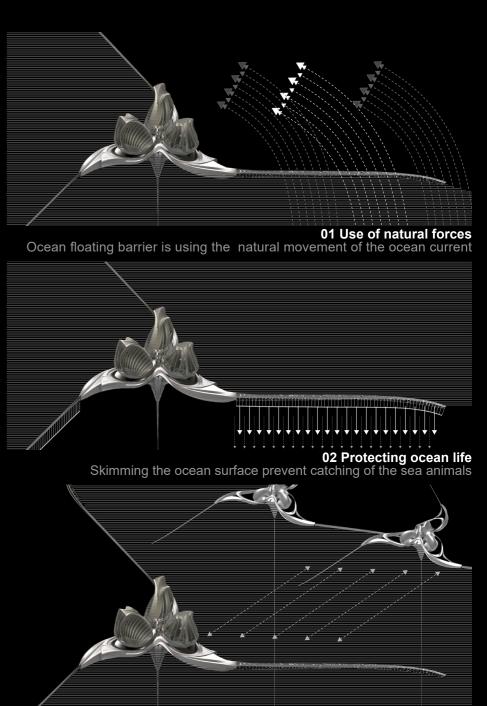
Description

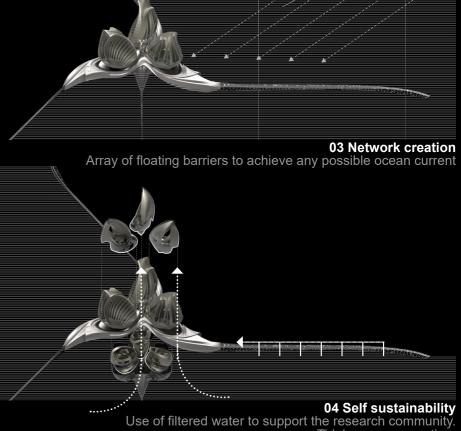
The 8th Continent

Ecological background







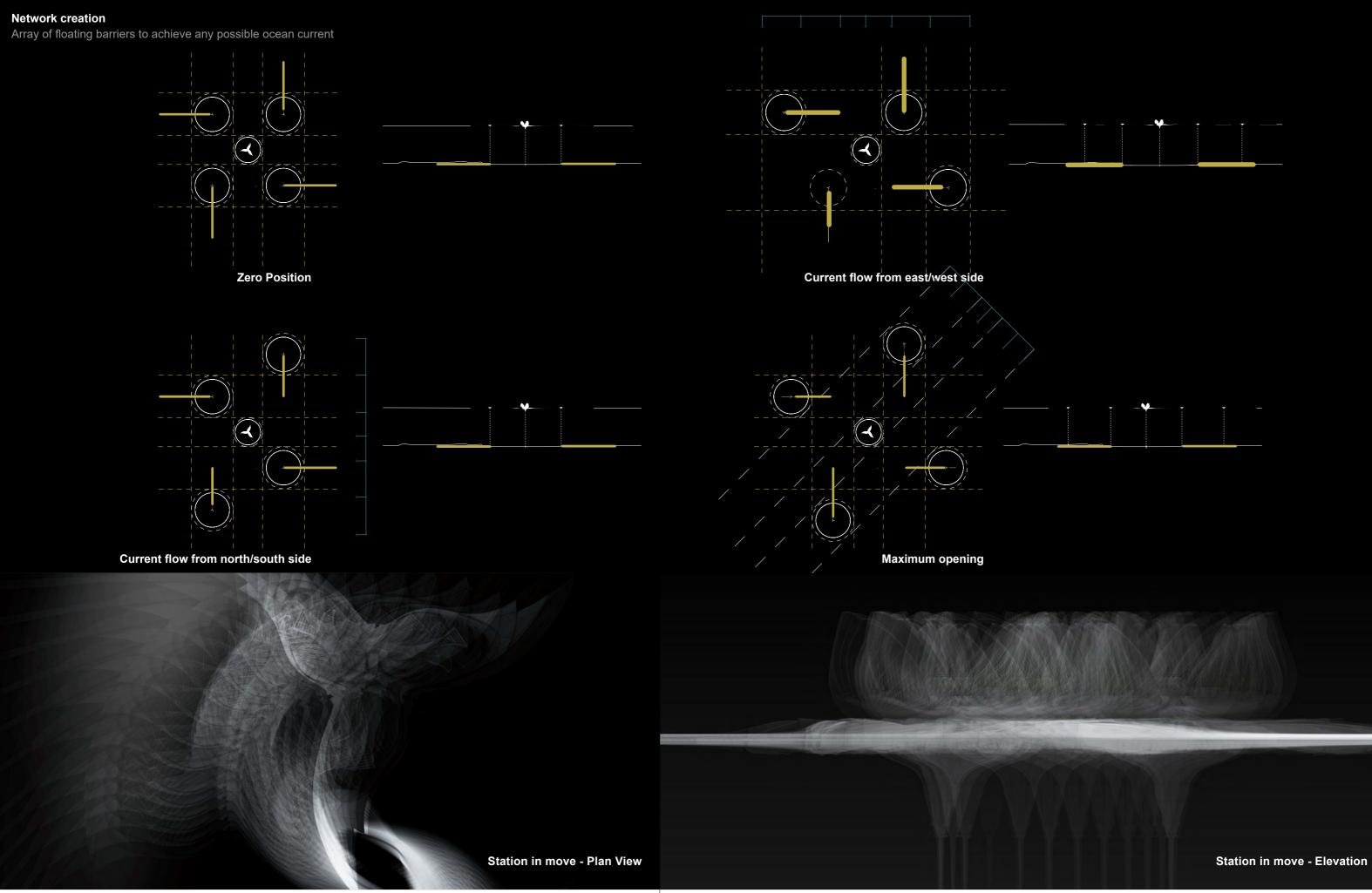


Award's category: Innovation and Architecture for the Sea

Description

Environmental adaptability





2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

Award's category: Innovation and Architecture for the Sea

The 8th Continent

Description Reflecting the current

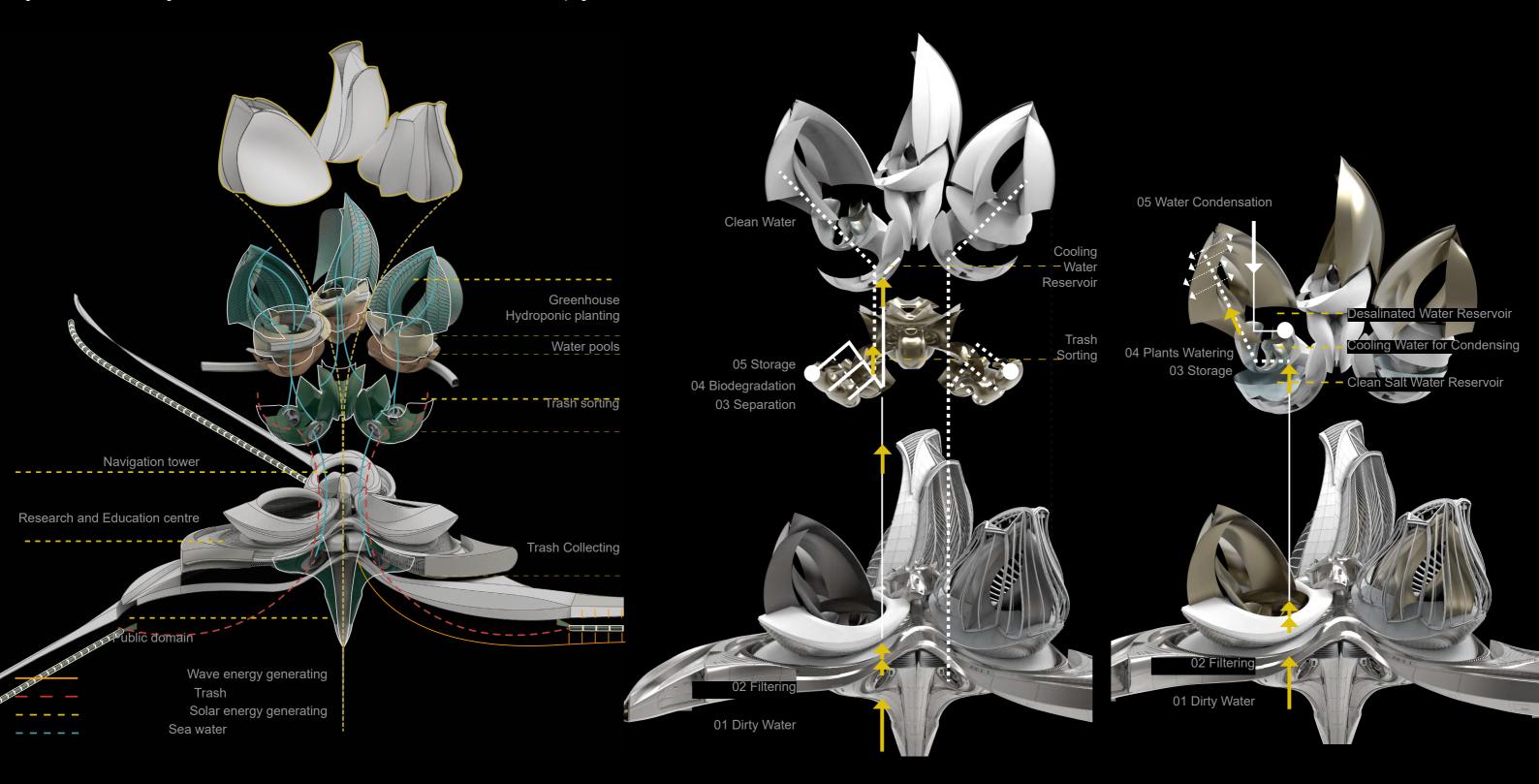
Project's Name



Floating Station is following three main ecological principles. The principles of fluctuations - the building, is designed and perceived as a place where different cultural and natural processes interact. Firstly, it is a destination for Human – Ocean interaction. Secondly, its form and function are created based on the natural processes which the Station is engaging – navigation with the wind force, tidal power generating, water desalination through condensation.

The principle of stratification - building's organization, emerges out of the interactions between its different properties and levels. This kind of organization allows complexity to be managed coherently.

The principle of interdependence - relations between buildings properties and environment are reciprocal. The Floating Station is responding to the external stimuli and developing based on them.



Program Diagram Trash Separation Cyclus Water Cyclus

2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

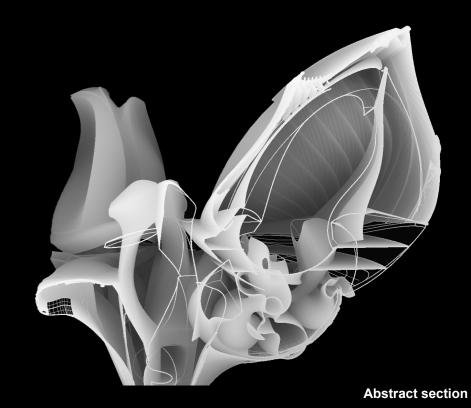
Project's Name

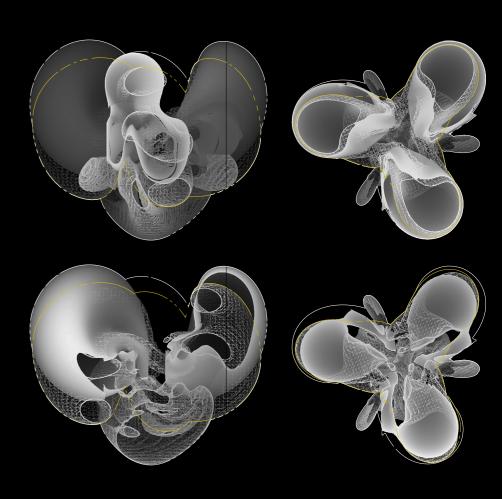
Ecology strategy

The 8th Continent

JACQUES ROUGERIE FOUNDATION SPACE AND SEA GENERATION INSTITUT OF FRANCE As one of the most crucial aspects is to design space considering its relationship with the environment and its surrounding, this ocean intervention cannot be reached through the refinement of the static object alone but must address complex interactions. The floating Station is, therefore, not just dealing with environmental issues considering cleaning the ocean. However, the Station is reflecting processes that occur on water and learn from the biological functions of marine organisms. It is essential that the system can maintain its stability while still allow change and adaptation to occur. This dynamic architecture is first influenced, transformed and organized by ecology systems which consequently will allow then architecture to recreate ecology reciprocally.







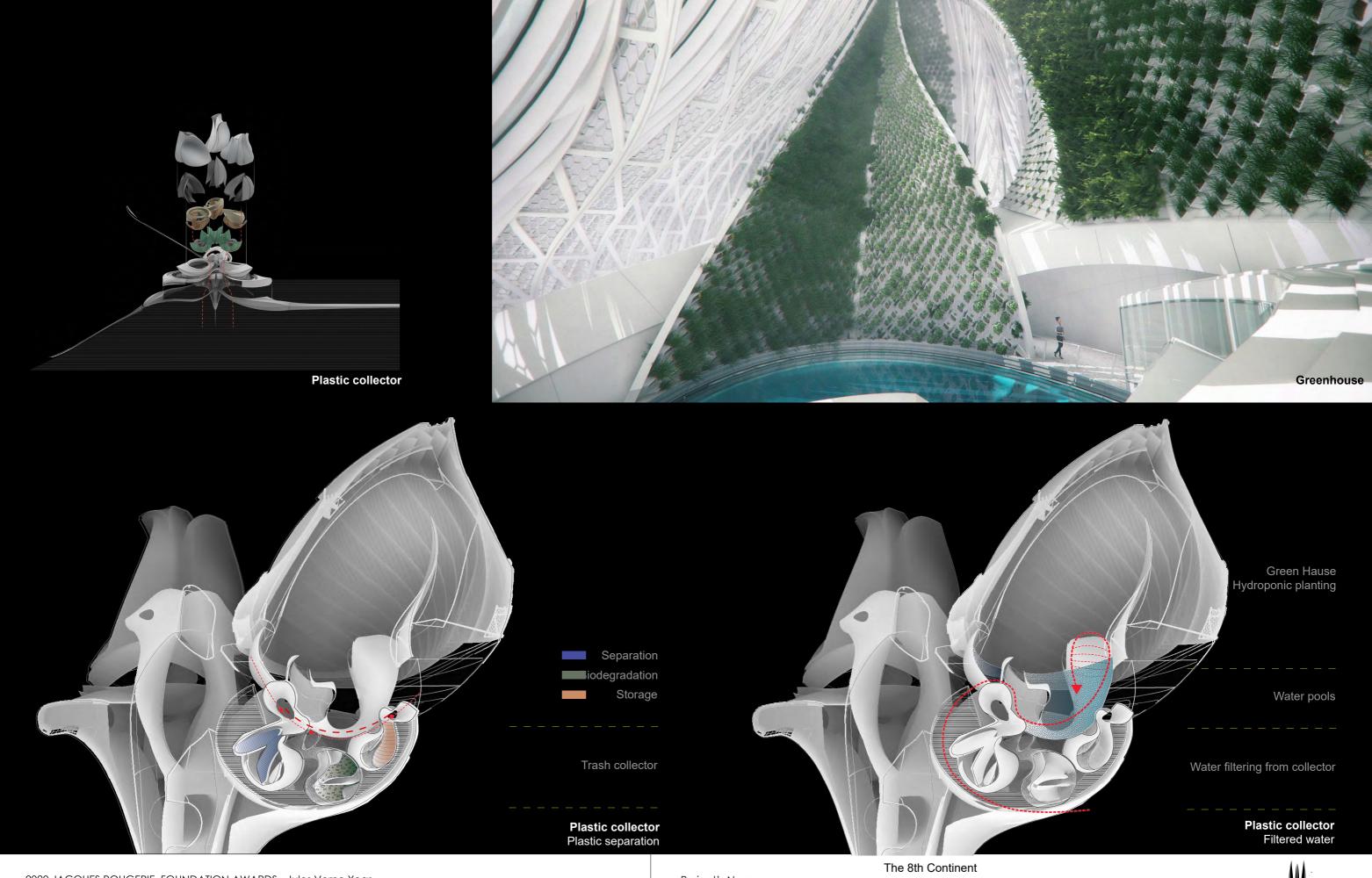
Geometry studies based on Fluid dynamic Dynamic change of the Environment

as the Base for Geometry Language

Project's Name

The 8th Continent





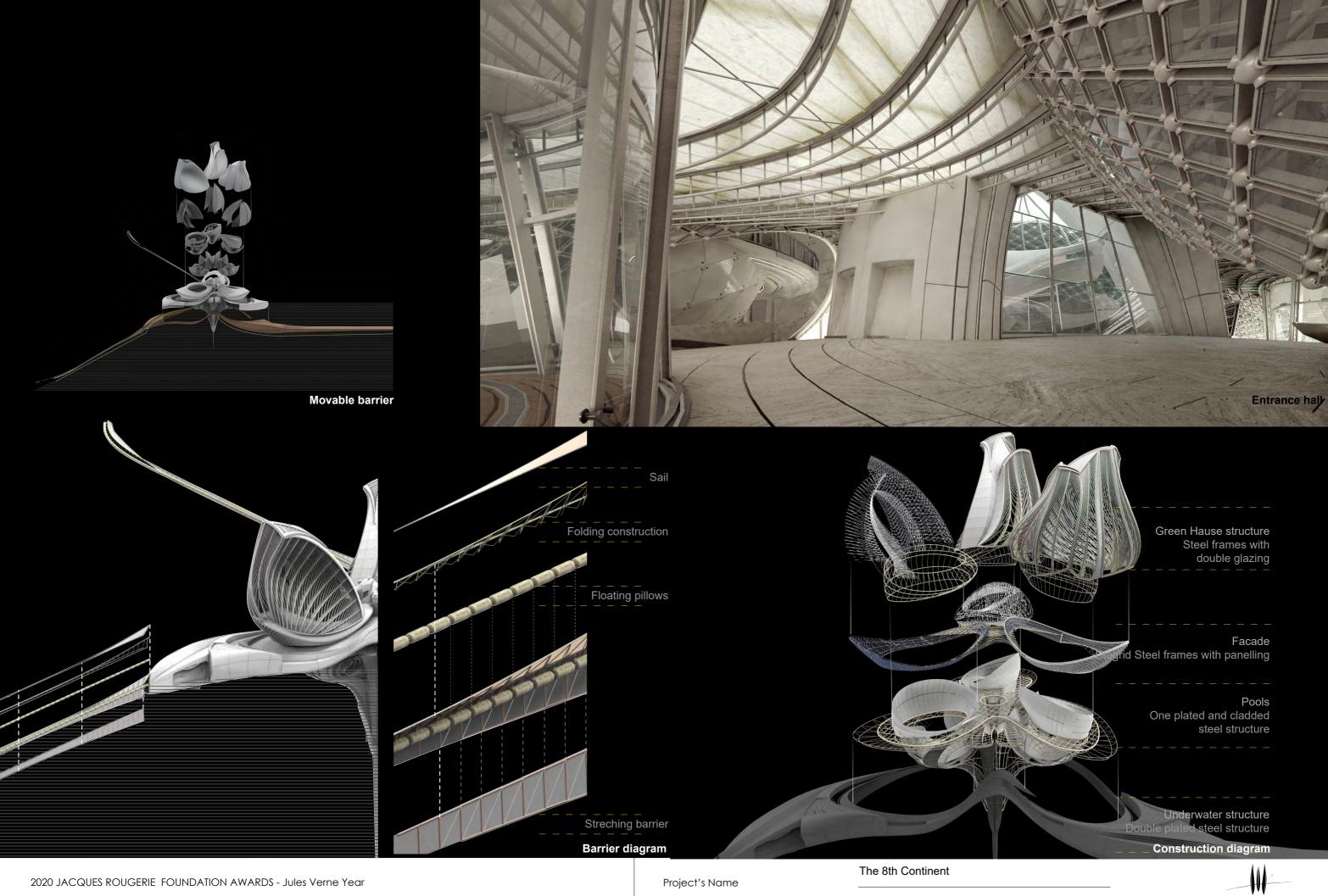
2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

Award's category: Innovation and Architecture for the Sea

Project's Name Description

Plastic collector strategy





Award's category: Innovation and Architecture for the Sea

Description

Construction strategy





2020 JACQUES ROUGERIE FOUNDATION AWARDS - Jules Verne Year

Award's category: Innovation and Architecture for the Sea

Project's Name

Description

Areal view

