# Route A1 **FILTERATION**

There is filtered from sea water to salt by the centrifugal force of the vortex occurby pulling the ocean current on the Route A1.

The sea water is drawn will be stripped of impurities through the filter. This is the same as the principle of the washing machine.



FILTER

## Route A2 SPILLING

The salt water has been filtered by sea wataer begin to spill on the Route A2.

It never stops because the sea water in the infinite. The sea water was the salt water will go fast flowing through this road towards the next layer.



WATER ROAD

### Route A3 SEPARATION

The salt water flowing rapidly starts to rise on the Route A3. There are two tanks of fresh water tank and the salt water tank in this layer.

And there is stretched a highly hydrophobic membrane between this two layers.

Or, it is separated.

The salt water continues to rise will soon meet to fill the salt water tank

At that time, the salt water will be carried to the freshwater tank. And it is changed from the salt waer to the fresh water.

**SEPARATER** 

# Route A4 FINAL FILTERATION

The fresh water has been separated will reach to the final layer. The roll on the Route A4 is to be the last of the filtration. It is to change from the fresh water to the safe drinking water

that the people can withstand the beverage . And it is to share the sea force to the people

FINAL FILTER



# VIEW DECK

flow

TO THE CITY

### Route B1 DRIVING

There is rotated the pulsater by the vortex occur by pulling the ocean current on the Route B1

In the second, a gears mounted at the top will be rotated by the pulsater. A rotation occured by the pulsater will be transmitted one after the other, and the remaining three of the gear is driven by interlocking.



**GEAR PULSATER** 

### Route B2 POWER GENERATION

The four rotations trancemitted to the last gear that installed in the center of view dome.

Its final rotation will be driven a dynamo attached to the bottom of the sea, and it will generate power on the Route B2.

This is the same mechanism as the wind power generation.

The power generate will draw a few of the electrical line along the skeleton of the view dome.



GENERATER

### Route B3 TRANCE FORMATION

The power generate and a few of the electrical line will go flows along the framework to the floor. The lines of the power to draw a complex curve while crawling on the floor will soon reach the transformer space.

On the Route B3,

the the created power is converted frome high pressure

to low pressure

Also, The excess power is accumulated as an emergency.

**TRANCEFORMER** 

#### Route B4 POWER SHARING

The low pressure of power has been converted will reach to the distributin board. The roll on the Route B4 is to form a board for the safe supply of power to the city.

It is to share the sea power to the people.

DISTRIBUTION BOARD

Route B

TO THE CITY

**SYNTHESIS** 

OCEAN MACHIN & ACCUMURATION SPACE~VIEW SPACE rotation **CURRENT** VIEW DECK TRANCEFORMATION ~from high pressure to low pressure~ VIEW DECK rise/separating/floating PLAN PULSATER FINAL FILTER iltering VIEW DECK **FILTER** WATER STRAGE TANK~VIEW SPACE ~from seawater to saltwater~ POWER GENERATION FINAL FILTRATION **SEPARATION** ~from rotation to the power~ ~from saltwater to freshwater~ ~from freshwater to drinkingwater~ **GEAR** OCEAN ~from ocean current to rotation~

**CURRENT** Pulsator for rotating the gear Groove for vortex generation

Hole for pulling the ocean current

**FILTERATION** 

~from seawater to saltwater~

POWER GENERATION

~from rotation to the power~

0m 10m

Framework for forming an electrical line TO THE CITY Hydrophobic membrane Freshwater layer Saltwater layer TO THE CITY The last of the gear for rotating the dynamo **SECTION** 

**SEPARATION** 

~from saltwater to freshwater~

TRANCEFORMATION ~from high pressure to low pressure~

FINAL FILTRATION ~from freshwater to drinkingwater~