



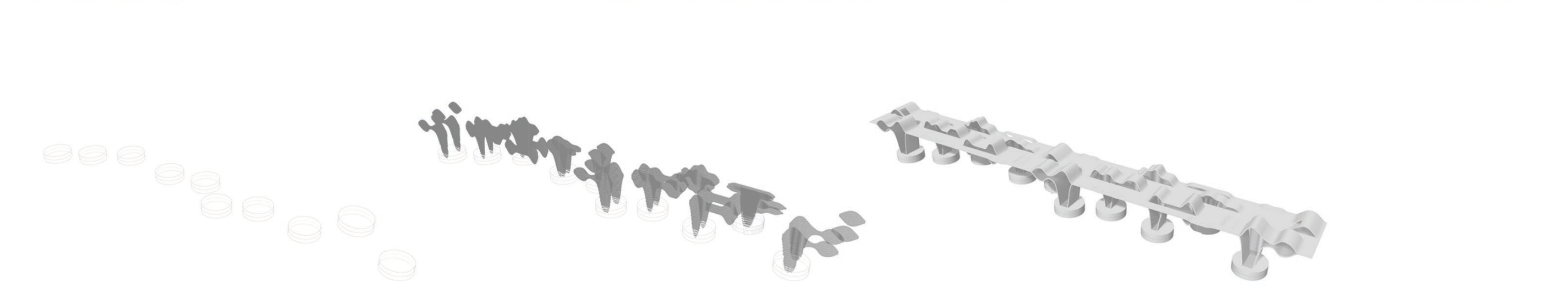
Producing water

The core linking the project with the ground is made of a bucket. This bucket is made of different levels. The first one is made of rather small stones to filter the water and the larger particles. It's a natural system. Then the water is harvested in a huge bucket made of two parts. This is the main part of the filtration to produce drinkable water. The reverse osmosis system is applied. Reverse osmosis system is a water purification technology that uses a semipermeable membrane to remove ions, molecules and larger particles. The water contains solutes, particularly salts. If two solutions of different concentrations are placed on each side of a filter membrane, water crosses the membrane by osmosis until the concentrations are balanced or that the pressure difference exceeds the osmotic pressure (the displacement of water decreases the concentration in the compartment where flows water and increases in where it comes compartment). The water is supplied to a central. It is then injected into the drinking water distribution system to supplies households.

Access

The platform is accessible by boat and pedalo. Trips will be organized every hour to bring people within the structure. Two stairs are introduced to both sides in the "columns". The platform is available throughout. The citizen is then immersed in this sculpture. He understands how this strange artwork works.

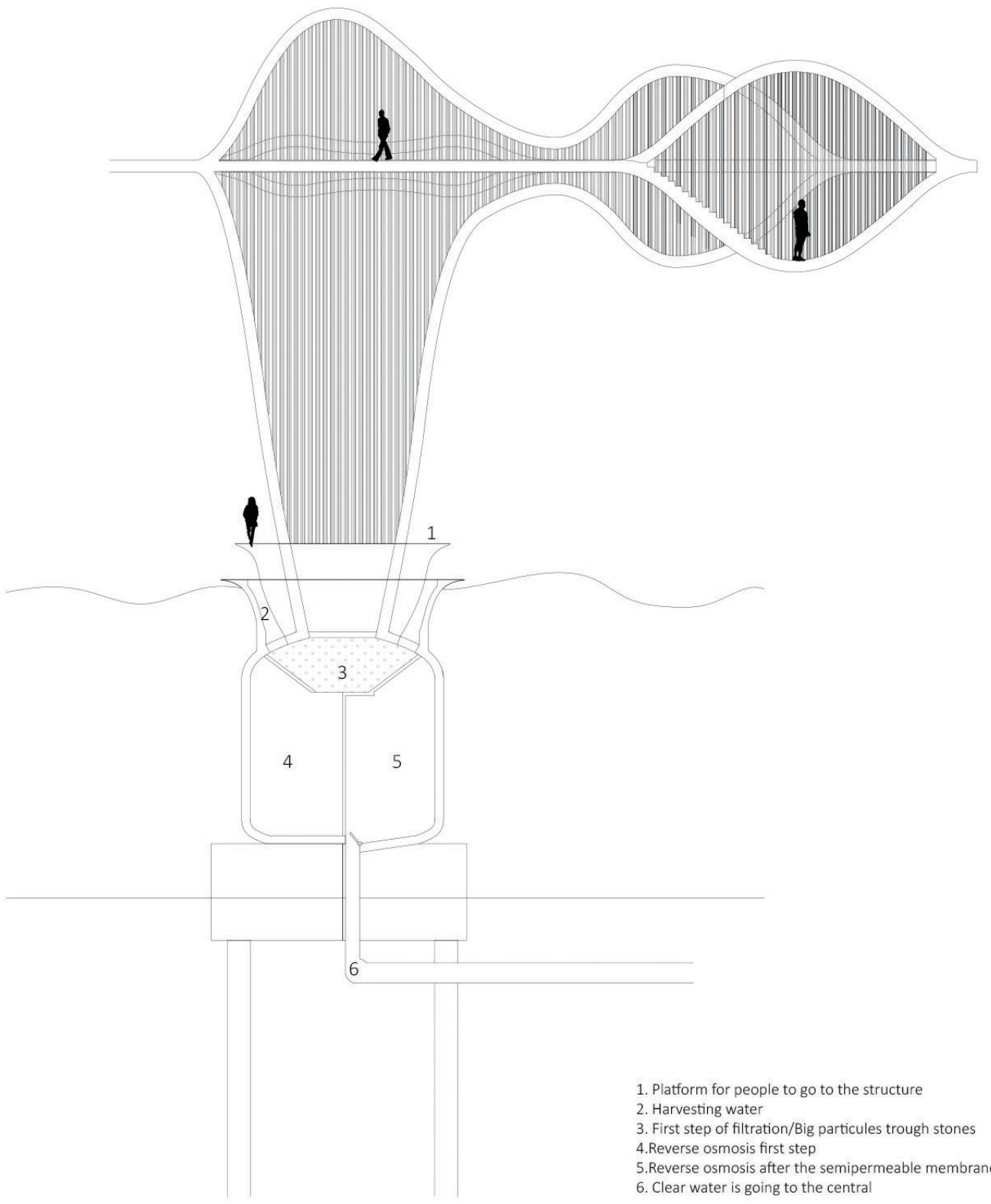
The main structure is made of concrete and recycled steel and aluminum. The part in contact with the biodiversity of the sea is the concrete cylinder.



Foundations and buckets to harvest water. They are made of concrete. All the process to produce drinkable water is made inside. It is the link between the structure and the ground. It is the link between the boat and the structure

The windbelts(TM) made of thin membranes. These deformations allow air to flow easily in the structure. The membranes of the windbelts are then moving more effectively. Wind energy is converted to electrical energy by the strings who build the façade of the project.

The top of the project works as a solar central receiver. The roof is made of walkable non-slip photovoltaic panels. The wavy expression of the structure is aesthetic to remind the waves of the ocean. The main structure is made of concrete and recycled steel and aluminum.



Some of the curves are made to access inside and see the membranes moving because of the wind. The movement of the membranes produce different sounds

