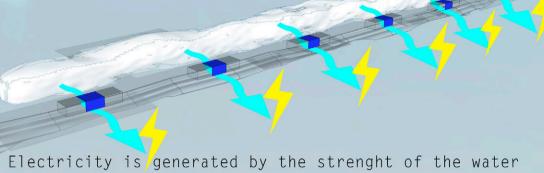
AURORA materiality & energy

ENERGY & WATER CIRCLE

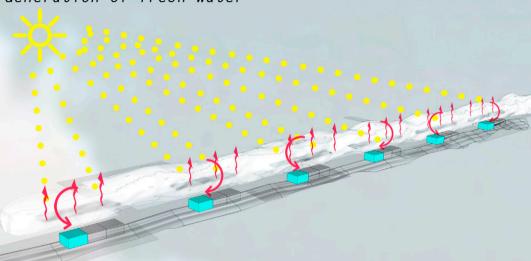
The caption of energy and water follows a circular path which cannot be broken. Everything works together in a integrated design. All the deposits and generatos are hidden to the public and do not interfere in the understanding of the whole proposal. The solution of a funcional box where the turbine, the deposits of water and salt and the foundations are integrated provides not only an easy check of the elements but also very flexible conditions in the designing process, not compromising the shape and the idea.

Generation of electricity



Electricity is generated by the strenght of the water moving the turbine. This energy works 24h and it is a free, reliable and invisble way of providing a safe supply for the population

Generation of fresh water



The salty water introduced in the cloud is evaporated, condensated in it and reconducted to a deposit integrated in the funcional boxes. The cloud is not only an art piece but also works as a solar destilator.

Use of the salt

The system is completed and we do not generate waste.
The salt that we obtain from the destilation of the water is conducted to a deposit and can be used for the population needs or as a batery for the special lamps of the pier.

Material as light filter

The plastic painted with thermochromic paint filters the white water and creates a huge pallets of colours underneath it making the experience unforgettable and unique.

STEP 1_OBTAINING ELECTRICITY

The marine turbine integrated in the breakw

The marine turbine integrated in the breakwater takes takes and transform the kinetic energy of the water to electrical energy. This energy will be transported by cables to the general distribution.

STEP 4_WATER CONDENSATION

The evaporated fresh water will reach the skin of the cloud where it will be condensated. It will go down to the bottom of the cloud

STEP 5_WATER COLLECTION

The water will be collected inside the cloud and will be conducted to a deposit which is integrated in the waterbreak barrier next to the turbine. This water is fresh water and can be used for the needs of the population.

STEP 2_PULLING WATER

fresh water.

STEP 3_WATER EVAPORATION—

The sea water which cross the turbine will be conducted by a pipe integrated in the pillars to the big trays integrated in the cloud.

The thin layer of water in the tray will be evapora-

ted because of the radiation of the sun and the help

the temperature inside higher. In that way we are se-

parating the salt (that will stay in the tray and af-

terwards will be conducted to a deposit) and the

of the cloud which will work as a greenhouse and make

STEP 6_USE OF SALT

The remaining salt of the trays will be conducted with pipes integrated in the pillars to a deposit next to the turbine and the one for the water. This salt can be user either for the needs of the population or even to light the pier using special lamps which use salt as font of energy

MANAGEMENT STREET