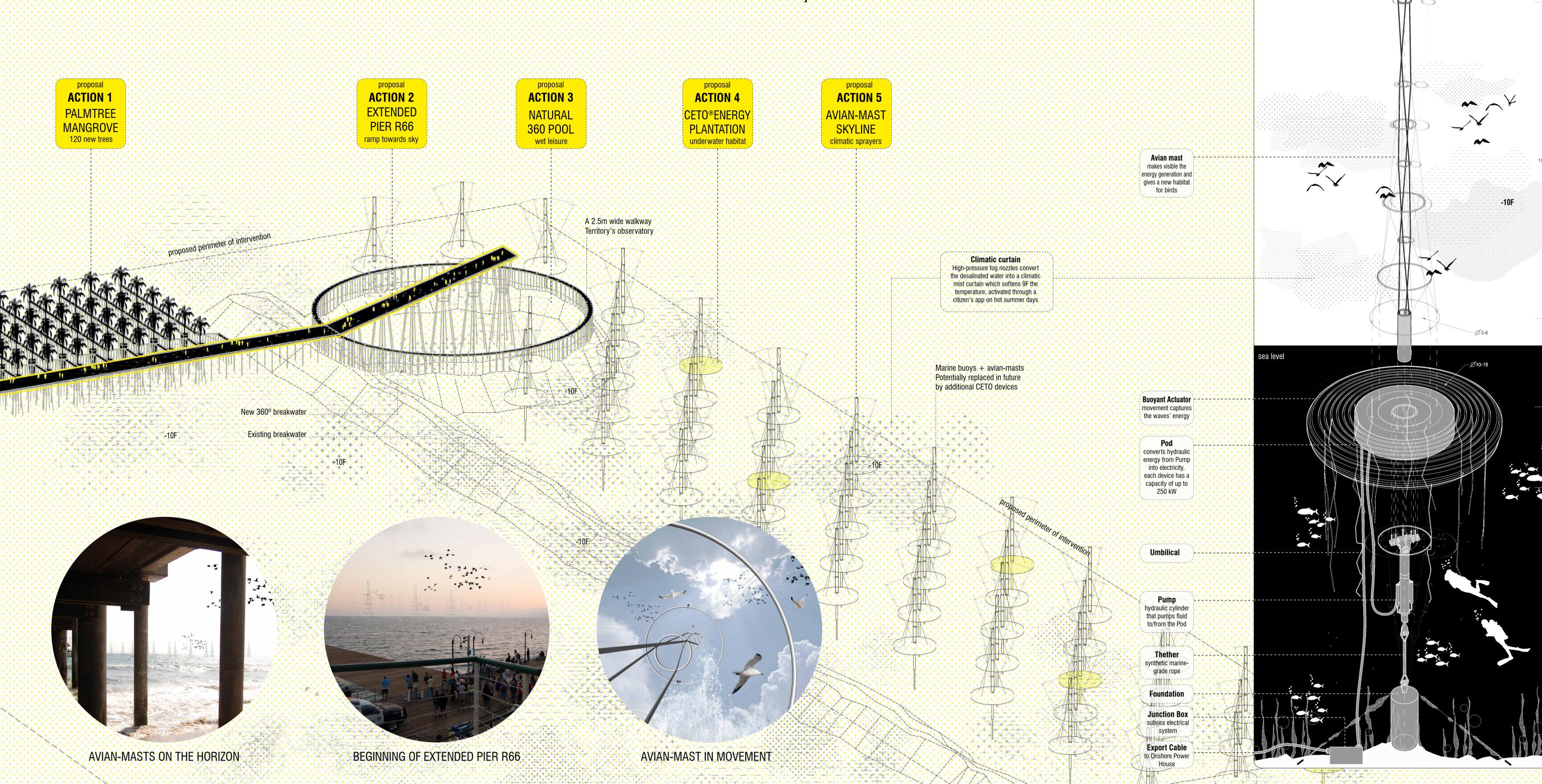
CETO DEVICE PROTOTYPE: POWER AND DRINKING WATER FOR SM

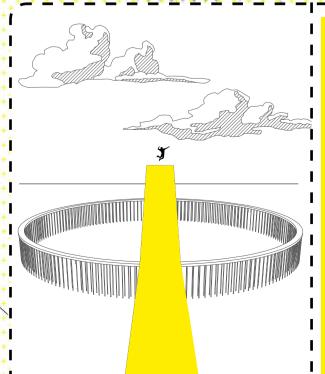
Surrealistic Experience



ACTION 1 PALMTREE MANGROVE

The new forest is located in the oreshore, creating a new ecosystem: a new habitat for birds, fishes, crustacean and mollusk.

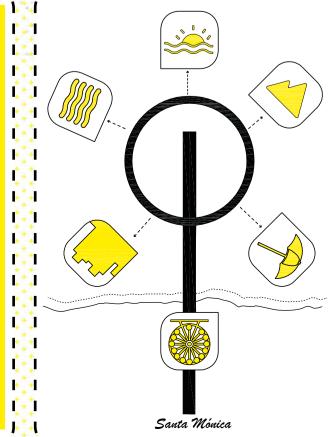
The palm-trees are approximately 4 meter high and stand on a 3 meters in diameter pots with a wood structure foundation that sinks in the ground elevating the trees over the sea level.



ACTION 2 EXTENDED PIER R66

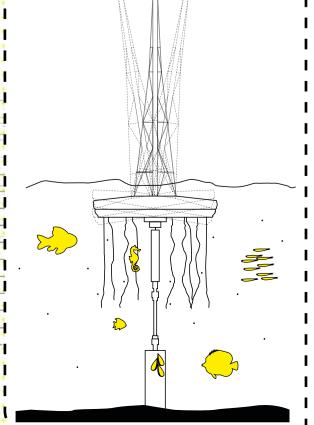
The Pier spreads using its specific technique and materials: round pilings, pile caps, stringers timber braces and marine hardware poly coated wood.

The structure of the final stand is design as a mangrove-structure that allows free space on the surface of the deck.



ACTION 3 NATURAL 360 POOL

The pool limits are created thanks to a rock-ring that works like a breakwater front, protecting the inside waters. A 2.5 meters wide walkway is placed upon the rocks for visitors and swimmers to enjoy. It is sustained with 8-centimeter round-coated pilings and stringers that make the walkway seem to be floating over the sea.



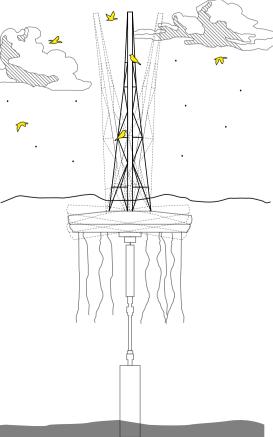
ACTION 4 CETO® DEVICES

This device operates under water, converting ocean wave energy into zeroemission electricity and desalinated drinking water. It is environmentally friendly, and co-exists with all kinds of marine life.

The five proposed 250kW-CETO units at 70% performance generate 875kWh. This means an average annual capacity of 7,665MWh.

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A set of LED tentacles comes from the bottom of the CETO® illuminating the water like plankton during the night.



ACTION 5 ECO-MASTS AND AVIARY

A light tubular carbon structure sticks on the CETO® surface and tights with metal stringers. Same masts are installed on the marine buoys that complete the underwater plantation. This structure contents high-pressure fog nozzles that converts the desalinated water that CETO®s produce into clouds. The wind will bring this mist to the shore refreshing the city.

The masts move along with the CETO®s and the waves, making the energy production process visible and giving a new habitat for birds and seagulls.