

singing in the wave

Santa Monica brakewater

Land Art Generator - 2016

LM201605

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A white concrete new structure, leaned on the exterior side of the existing barrier to improve its protecting purpose. It will locate an Oscillating Water Column (OWC) power plant and a marine pipe organ system, setting an accessible island promenade were visitors will enjoy sunset, swimming and walking as an integrated experience of sea force potential.

Its sinuous profile shapes as a wave clipped on the horizon line..., floats, breaths, works, sings... as a living island, almost a living being.

This dynamic structure generates space for turbine location under the wave crest, for an organ-pipe sound chamber under the slopes, and accesses to natural high tide level pool system from the lower valley level.

A looped promenade for a random symphony sea walk.

Sea water moves up and down caused by waves and tides. The underwater substructure of our item creates free chambers where water rise and fall, around and inside. Air captured inside the empty chamber is displaced by the water, pushed back and forth past the turbine that converts the airflow into energy.

Likewise, airflow pushed through the organ-pipes will produce in the sound chambers random music chords: the song of the waves.

The swimming channel runs parallel to the promenade and it is closed by the emerging blocs of the old barrier. Sea water captured inside stays flush to the hide tide sea level. It can be emptied during low tide using a turbine as water mill complementary system.

