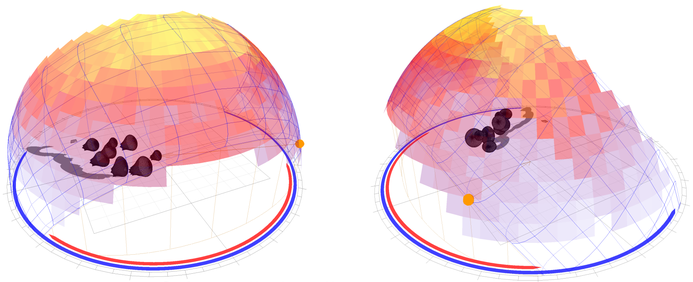
Cnidaria Halitus

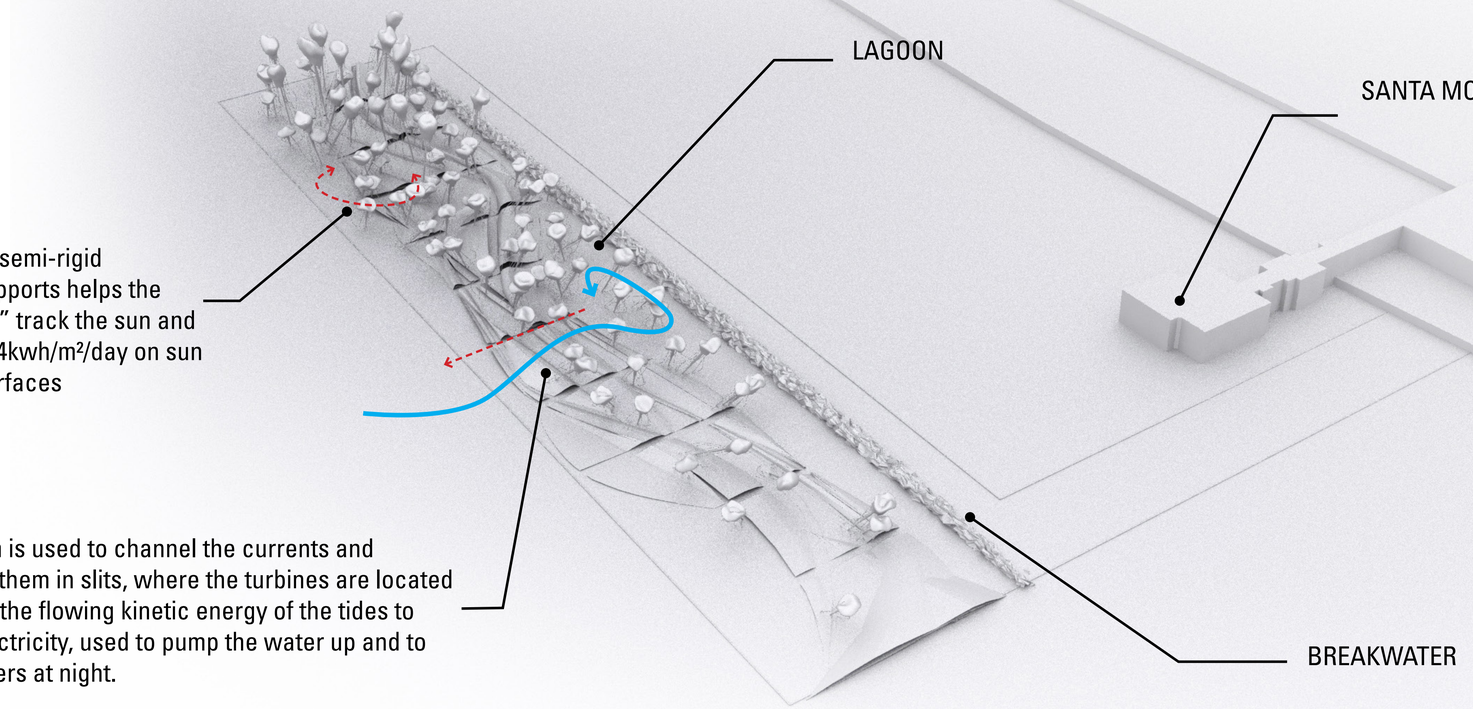
SMS33320



Solar radiation diagrams

PROJECTED PERFORMANCE

970	Btus evaporate a lb of water
8.34	lbs is the weight of 1 gallon of water
8089.8	Btus needed to evaporate one gallon of water
0.234	kWh needed to evaporate one gallon of water
2000	m2 is average area of each Fresnel lens
40	Number of Fresnel lenses
7.38	kWh/m2/day is the amount of energy falling on a collector that tracks the sun in Santa Monica
590400	Energy collected by all Fresnel lenses per day in kWh/m2 day
138153.6	Gallons evaporated per day directly by solar
17500	Gallons evaporated with tidal energy
155653.6	Gallons of potable water per day
260,000,000.00	Gallons used per month in Santa Monica (includes commercial buildings)
8,387,096.77	Gallons used per day in Santa Monica (includes commercial buildings)
1.9%	Percentage of water consumption in Santa Monica provided by project



Motorize semi-rigid stems/supports helps the “Jellyfish” track the sun and absorb 7.4kwh/m²/day on sun facing surfaces

The landform is used to channel the currents and concentrate them in slits, where the turbines are located and harness the flowing kinetic energy of the tides to generate electricity, used to pump the water up and to heat the boilers at night.

KINETIC ART: The buoyancy from the steam create an ethereal bloom of jellyfish pulsating, hovering and swaying above the water.