

The project consider the use of 78 power buoys situated approximately 100m from Break-water rocks. The buoys are floating objects only anchored to the ocean floor and electrically linked, with a signaled under grounded line, to the Santa Monica Pier.

The buoys, using a telescopic system connected to an internal engine ,manage to convert the different and moving sea level high produced by waves movement into continuous elec-tric energy.

Each buoy is able to produce approximately 350W of continuous clean energy, still to be verified on specif site characteristics; Power buoys are usually studied to be installed off-shore with deeper ocean floor but we can hypothesize to adapt the project characteristics and specific to the site location.

With a total of 78 buoys, the annual energy production is approximately 240MWh, enough for both light installations, Pier light up and activities.

This project include the use of 78 power buoys, anchored lines and electric link, signaling buoys, LED lights with variable intensity.

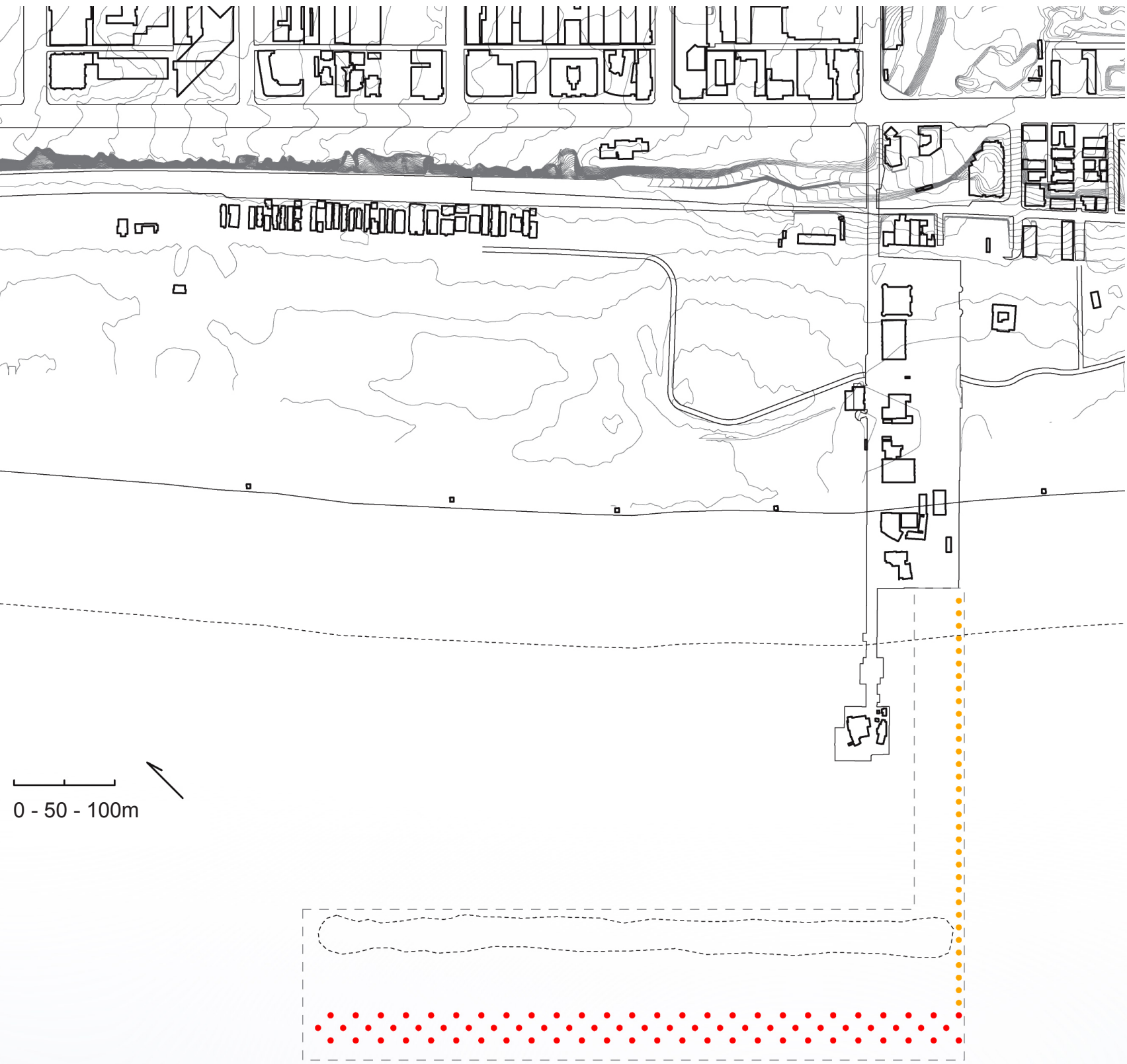
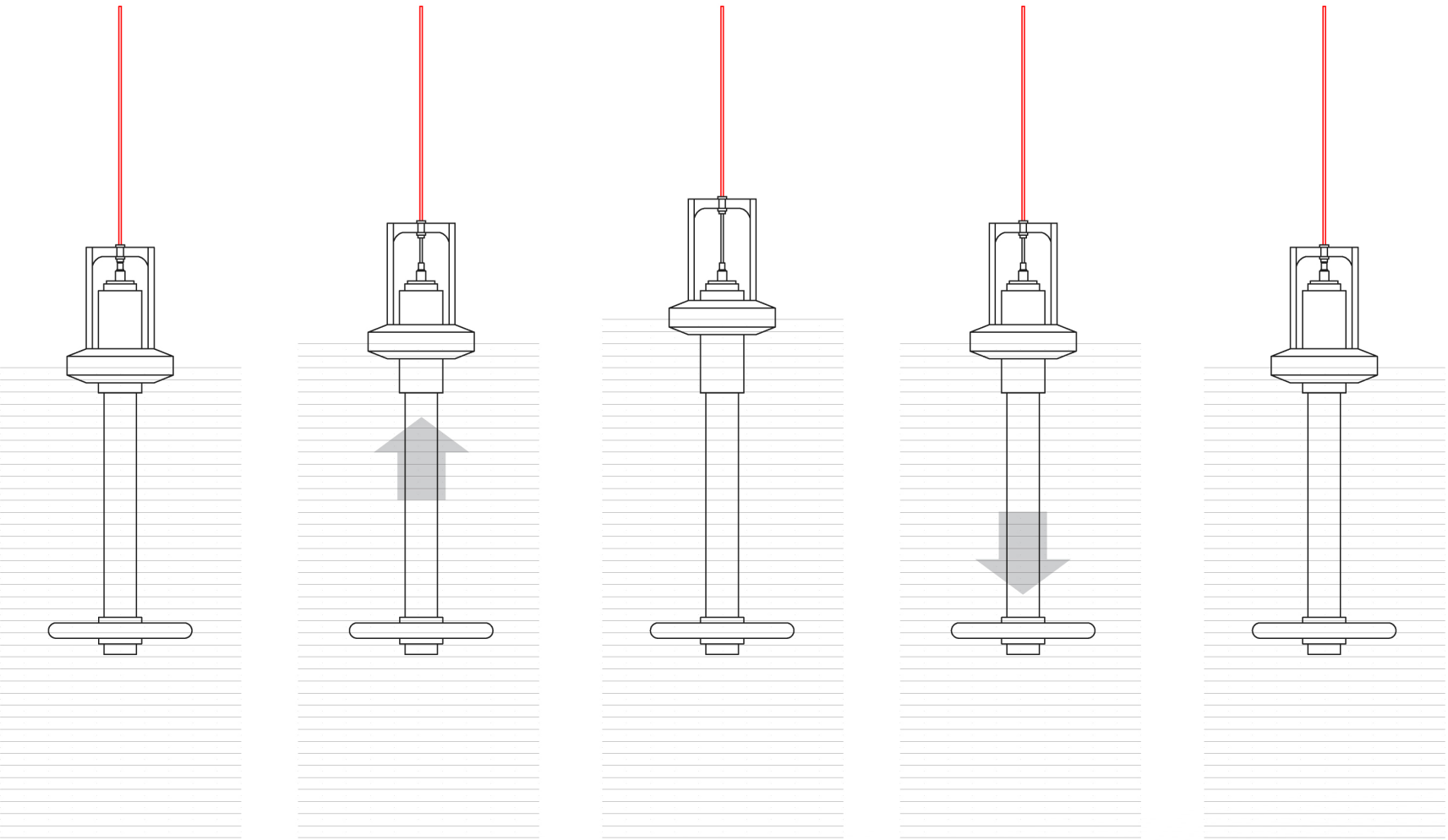
This project considers only the use of completely reversible technology with no emissions or impact on the sea eco-system.

The floating buoys,their anchoring system and the electric lines are all removable at every moment without interfering with the surrounding environment.

The unique impact is the light produced by the light installations by night, but we consider it the strength of the landscape project and is seen as an added value to attendance and visitors and even more a continuation of the brilliant show that is already projected by the Pier's night activities.

Power Buoy

Power Buoy - waves reaction



Energy Farm

View from the beach

