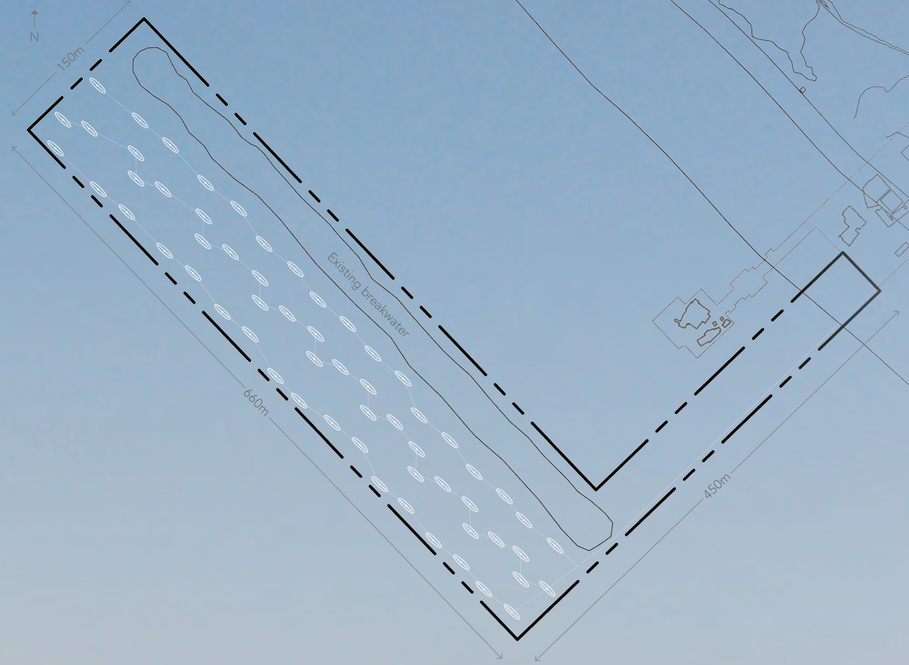

This site is special. Not often is there an opportunity to generate ideas for an off-shore location. An opportunity to create a feature that directly responds to its maritime setting. The scale of the site, as shown in the diagram above, means it is very visible from around the whole bay of Santa Monica, California. Therefore, the aim of this project was to design an installation that is both eye-catching and visually sensitive to its setting.

The brief asked for a functional landscape intervention that would generate renewable energy and /or fresh drinking water. One of key things that gives Santa Monica its identity is the fog that comes rolling in off the Pacific Ocean almost every morning. This was focused on and the potential of capturing fresh water directly from the fog was researched. Special netting is already being used in small coastal projects to provide fresh water in South America.

The netting could be shaped into sails to reflect the maritime setting, and a fleet of sail boats would have striking visual impact whilst being sensitive to the site's location. Energy generation was then researched and different options that would fit in with the existing design were considered. The best choice was a point absorber buoy, which consists of a float that powers an underwater turbine by moving vertically with the waves and tides.

BREAKWATER MAKE WATER

SANTA MONICA

L.A.G.I

ART INSTALLATION

The fleet of 60 boats are sensitive to their marine setting and would be an iconic centre piece of Santa Monica for residents and tourists.

FOG COLLECTION

Santa Monica's morning fog is harvested by the sails and collected to provide fresh drinking water that has been filtered by nature.

WAVE POWER

Using Point Absorber Buoy technology, the constant movement of the waves and tides are harnessed to generate renewable electricity.