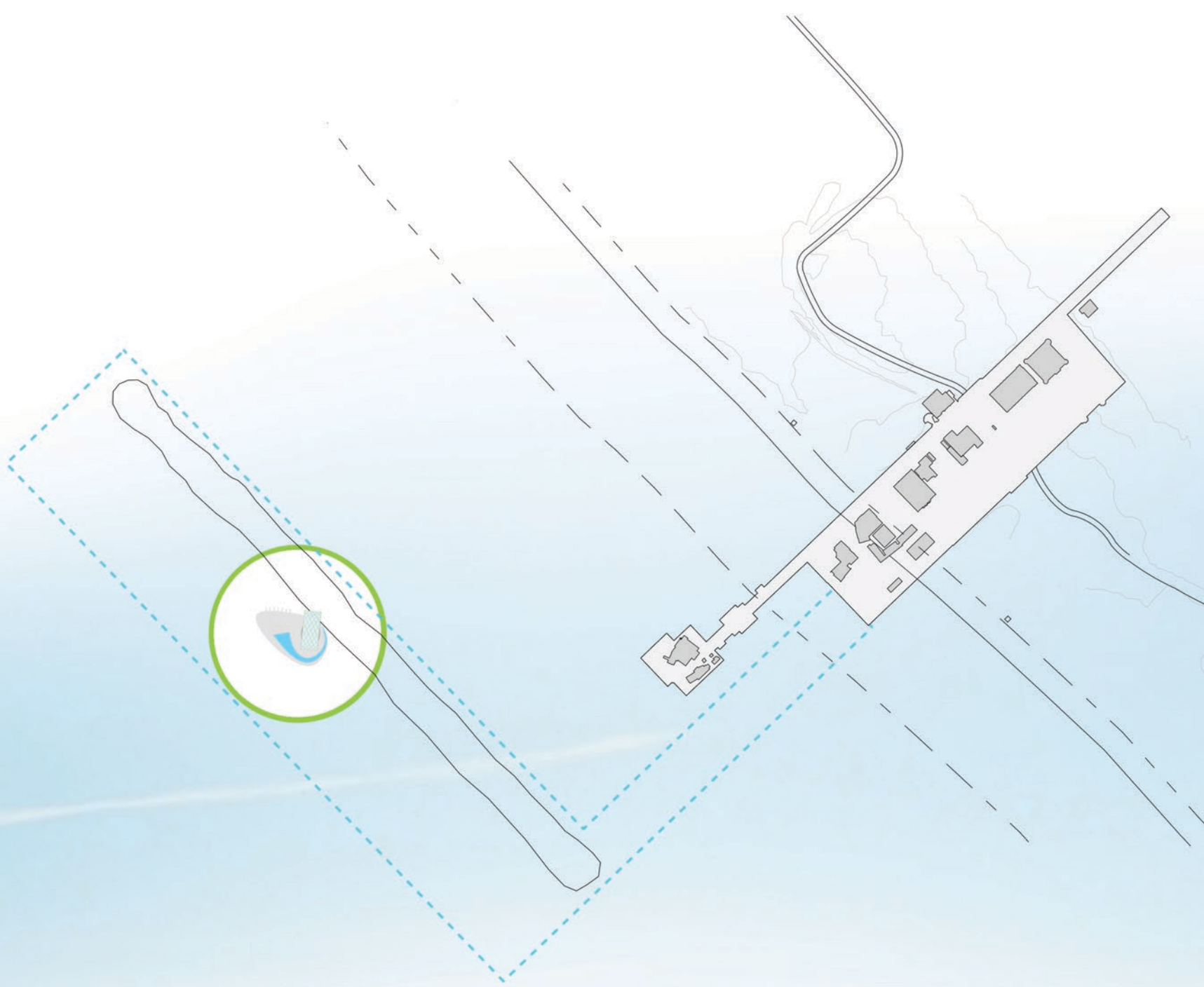
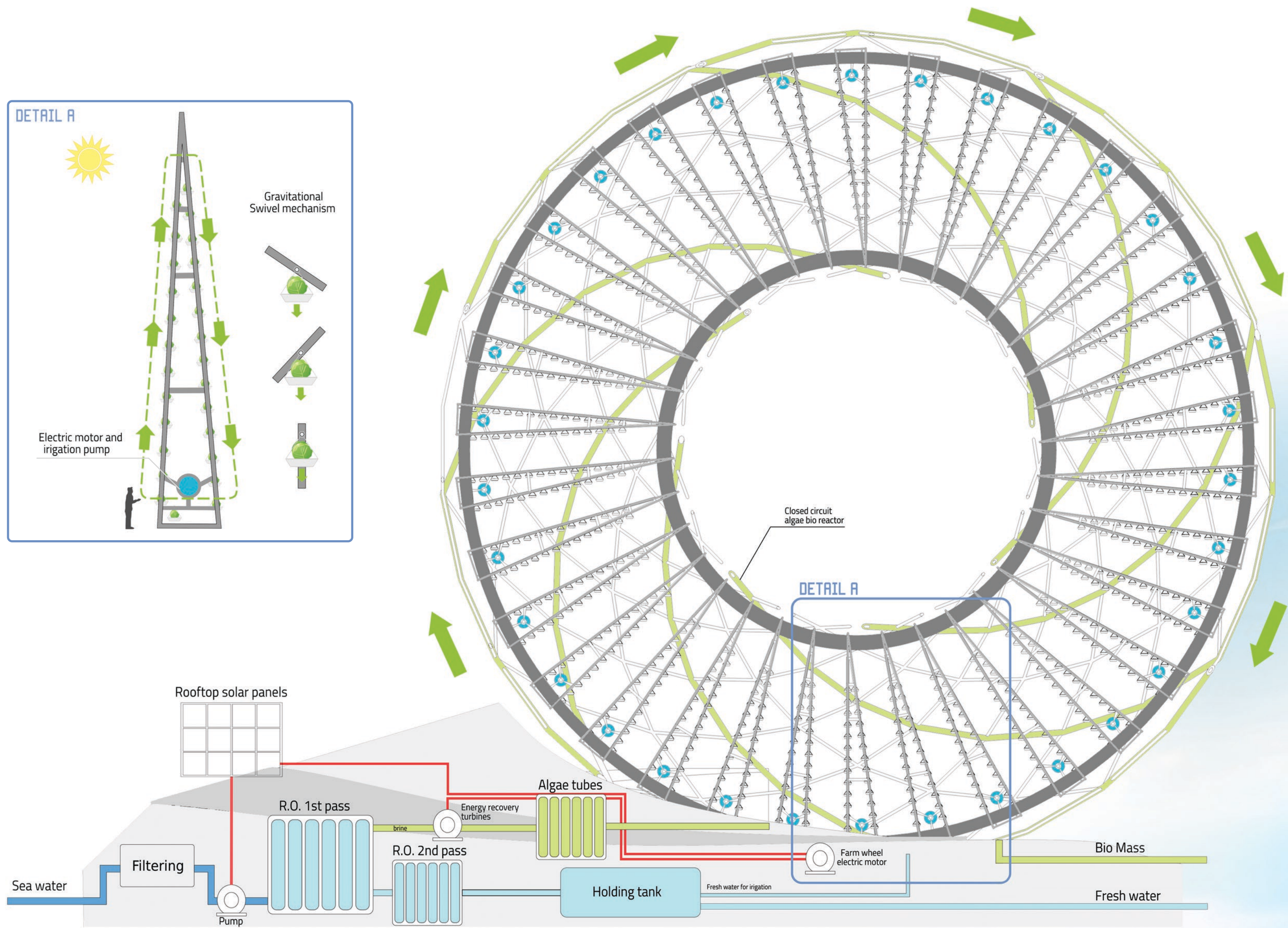


RING GARDEN



Agriculture is the largest user of fresh water in California. The Ring Garden project tries to solve this issue by creating a highly efficient ecosystem that consists of a Desalination Plant, a Rotating Aerponics Farm and an Algae Bio-Reactor.

The Ring Garden harvests seawater, CO2 and the sun's energy to create food, bio mass and fresh water. Using photovoltaics energy, the plant desalinates sea water and using aerponics farming, grows crops requiring 98% less water than a similar standard farm. 2/3 of the fresh water produced is used by the farm. The rest is fed to the grid.

The biggest environmental problem posed by the desalination process is the rejection of brine water. This is used to grow algae cultures that are fed to an offsite plant to produce bio mass and salt.

The structure is south oriented for best sun exposure. Also it is tilted aprox 8.5 degrees so that on the 22nd of April, on Earth's Day, the sun seen from the Pier will set through the middle of the wheel.

The Ring Garden can be accesed by boat and offers a public space with an outdoor aerponics garden where people can pick fresh vegetables and help plant new ones. Next to the garden is an Eco Awarnes Center that teaches the community about sustainability and the responsibility that each one of us has to create a better future for our children.



Outdoor aerponics public garden

