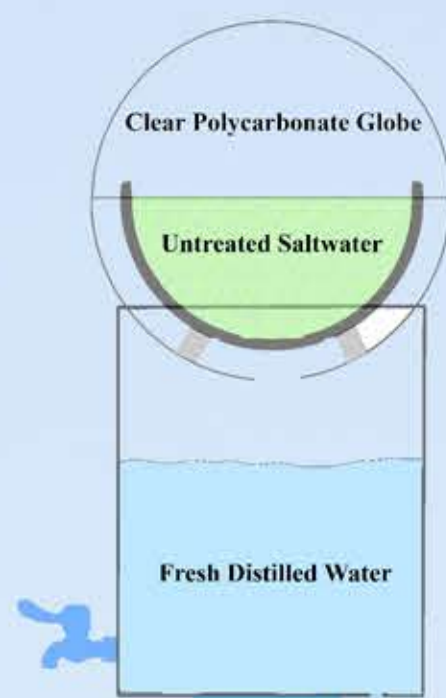


# HOW IT WORKS?

SANTA MONICA PIER



78 acres of one meter diameter water tank  
 use sun energy to desalinate ocean water  
 Ocean is treated through oyster pond, for detoxication, and is exposed to the sun  
 Using sun light, it takes four hours to desalinate 1 unit  
 Night cycle uses the heat from alagal diesel burner, which creates condensation from colder ocean water  
**PROCESS OUTCOME 7.5 TONS OD DESTILLED WATER-**



ocean water desalinator

SOLAR DESALINATORS

ALGAL BIO REACTORS

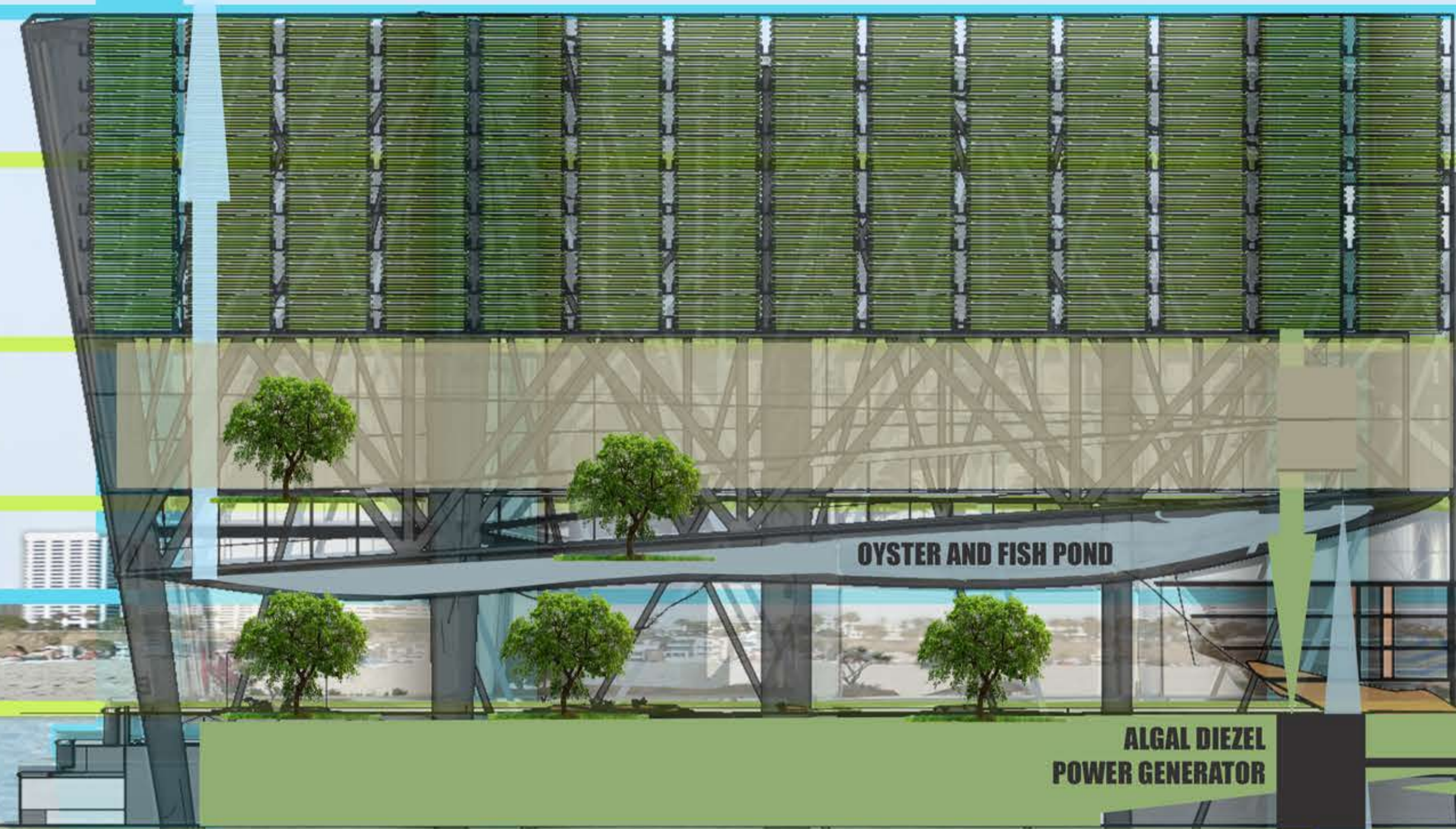
AMAZONIAN FUNGI  
 OYSTER FUNGI PLANTATION

Amazonian Rainforest  
 botanical garden

OYSTER PNND

ECO PROMENADE

VEGETABLE SEWAGE  
 NEUTRALIZATION PLANT



**Green algae** need grey water, CO2 emissions, and neutrients to boost reproduction. Neutrients are fed from composting, sewage elements and other organic masses. Exposure to sun, and overnight light, in 78 acres of algal reactors, produce 116,000 kW of electricity per year => a million homes in LA

A product of this algal is bio-diesel, 70% rich as petroleum. Petroleum then gets burned in the lower level of the structure, where it produces heat for other levels and ecological systems in the structure as well as the electricity. As a left over mass, we recieve a fertilizer mass, that is used to enrich and is being sold to consumer agricultural markets as an organic neutrient enricher for the soil

Bellow the algae is the mix of various mushroom and fungi plantation. As in the forest, the fungi create a simbiosis with algae, taking the released O2 from algal reactors, to grow. They release CO2, which is absorbed by algae. Bellow the fungi, is a biochar - soil structure mixed with plastics and e-waste -that gets decomposed. 2 lbs of fungi, decopose a computer in 3 months. A mix of oyster and tropical amazonian mushrooms can successfully resolve e-waste of the City of Santa Monica in a year

Fungi are the easiest organic mass to extract captured gold and silica, elements needed to produce our electronics. Neutrients and sugar enriched mushrooms are a perfect bio mass, neded for algal fast reproduction., creating this system to completely capture toxic elements. The use of waste is cycle sustainable and proactive

Salt water oyster pond serves the purpose to detoxicate polluted ocean water, which is then ready to be diverted to the solar desalimators. Birth control pills are a terrible pollutant, oysters love them



PURPLE LINE METRO

power line  
 transmission

Bothanical garden and the Eco promenade are carefully assembled with adequate spieces to supplement the simbiosis of algae, fungi, oysters and sewage decomposers Besides the inner green house effect as part of the simbiosis, the purpose of the botanical garden is to be publically utilized as a display to make this project closer to citizens Sewage treatment plant, located bellow the Eco-promenade, uses the rooths of the plants ,positionied on the promenade deck to neutralize the sewage of Santa Monica. Mint, lavender ginger plants as well as California tullips, are one of the many plants used to make these spaces a non forgetable environmental sent ones. The goal is to bring people closer to ...the systems that are the future Gold of the energy deprived Golden State

7.5

IMPACT

IMPACT

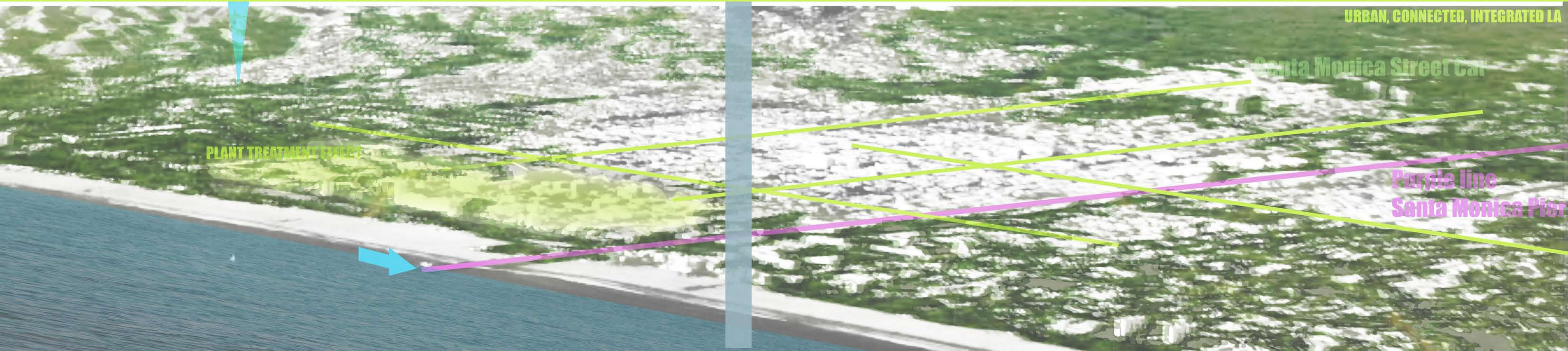
PUBLIC TRANSPORT  
 RE-SOURCED

URBAN, CONNECTED, INTEGRATED LA

POWER FOR A MILLION LA HOMES

TONS OF DRINKING WATER PER DAY

E-WASTE, SEWAGE FREE SANTA MONICA



PLANT TREATMENT EFFECT

Santa Monica Street Car

Purple line  
 Santa Monica Pier