TEXAS 2050

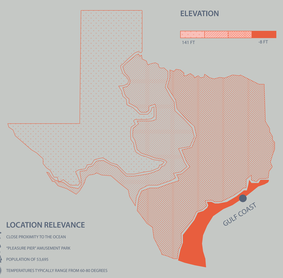
By 2050, Texas's coastal cities will be barely recognizable—submerged by rising sea levels and sinking land. Floods, extreme heatwaves, and storms have exacerbated the divide between the wealthy, who retreat to fortified, air-conditioned compounds, and the less fortunate, who struggle to adapt to their new reality. While the privileged few can escape, the vulnerable are left behind, forced to endure the intensifying impacts of climate change.

Our water tower is designed to help these citizens not only survive but thrive in the face of this new world. Located just off the coast of Galveston, Texas, the tower is mounted on a floating platform that rises and falls with the fluctuating sea levels, ensuring its accessibility during extreme flood events. As traditional transportation methods become obsolete, replaced by boats and aquatic vehicles, the water tower becomes a lifeline, offering refuge and connection for those displaced by rising waters.

The tower comprises nine floors of living space, offering sanctuary to those whose homes have been damaged or destroyed by flooding. It is more than just a shelter, it is a hub of education, safety, and community. The water tower fosters a unique ecosystem, integrating humans with wildlife such as tropical birds and fish, creating a symbiotic space where humans and animals coexist harmoniously.

This water tower serves as a symbol of a new life, where people can thrive in their city that has become a completely new environment.

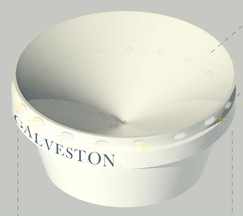
TERRITORIAL STRATEGY



LOCATION RELEVANCE

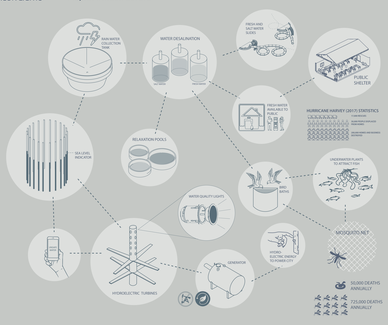
- CLOSE PROXIMITY TO THE OCEAN
- TX-GALVE PIER AMUSEMENT PARK
- POPULATION OF 53,695
- TEMPERATURES TYPICALLY RANGE FROM 60-80 DEGREES
- AVERAGE OF 0.75" - 4.20" OF RAINFALL PER MONTH

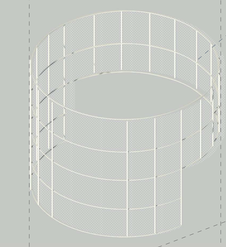
FOSSIL FUEL IMPACTS

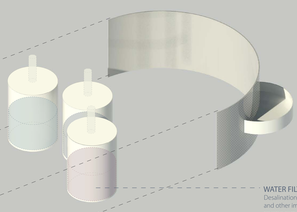


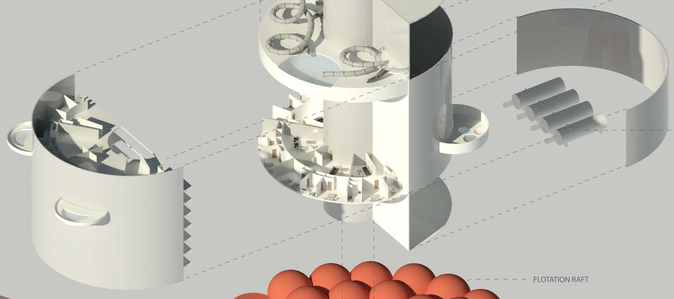
PROGRAM

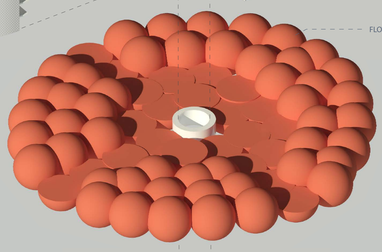
The water towers programs can be classified into three different groups:
-Active Nodes For Environmental Monitoring
-Multispecies Refuge
-Playful Infrastructure

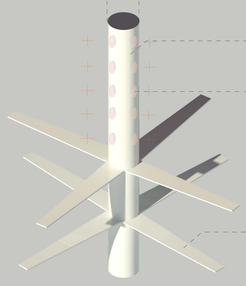


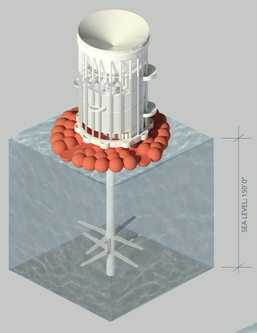


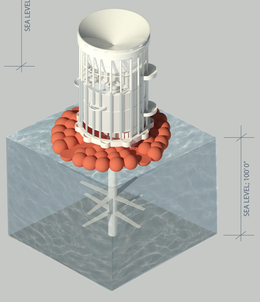


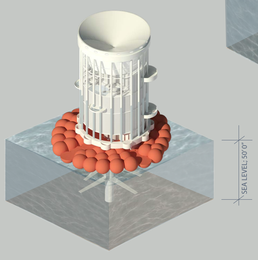


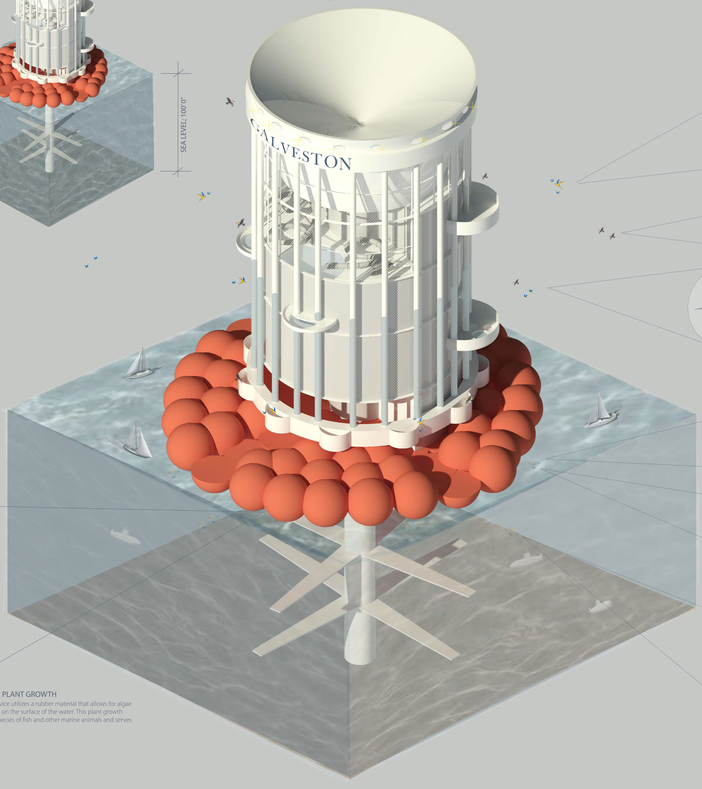












UNDERWATER PLANT GROWTH
The floatation device utilizes a rubber material that allows for algae and plant growth on the surface of the water. This plant growth attracts several species of fish and other marine animals and serves as a food source.