Logistical Reclamation:

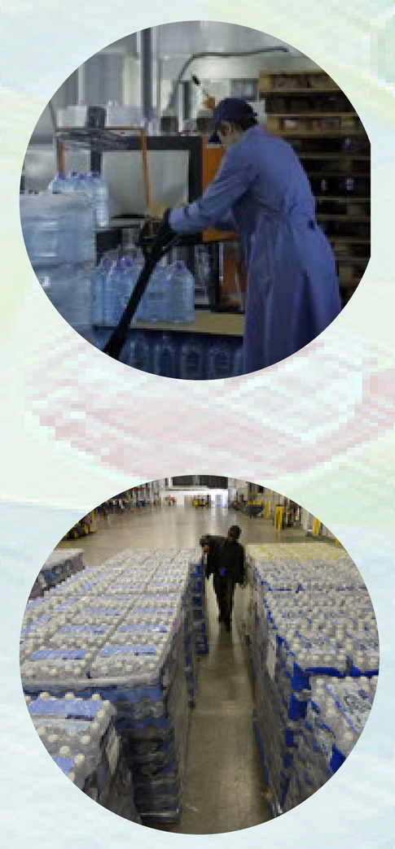
Molding the Future to Solve the Plastic Crisis

How is logistics expediting the increase of plastic in our landfills, contaminating our environment, and how can education enable an alternative? Logistics has naturally evolved its capabilities to maximize the efficiency of trade, and by doing so it has made mass production cheaper and faster. Naturally, finite resources cannot keep up with the demand of production. Logistics efficiency has negatively impacted the environment, by increasing the rates of contamination and pollution of our natural resources.By recycling shipping container and reintroducing them as a mobile education platform, we are able to facilitate awareness of pollution at a young age.

What is Logistics?

-Production
-Packaging

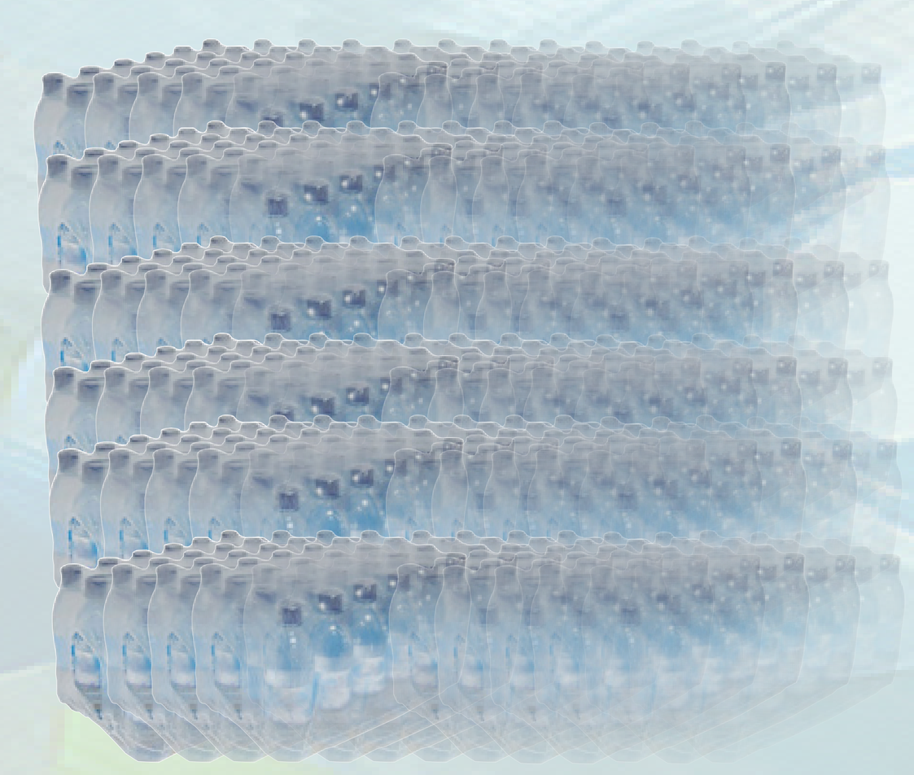
-Transportation
-Warehousing



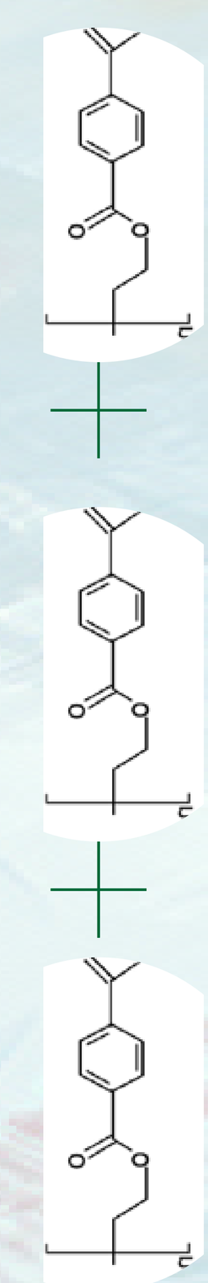
Why Bottled Water?

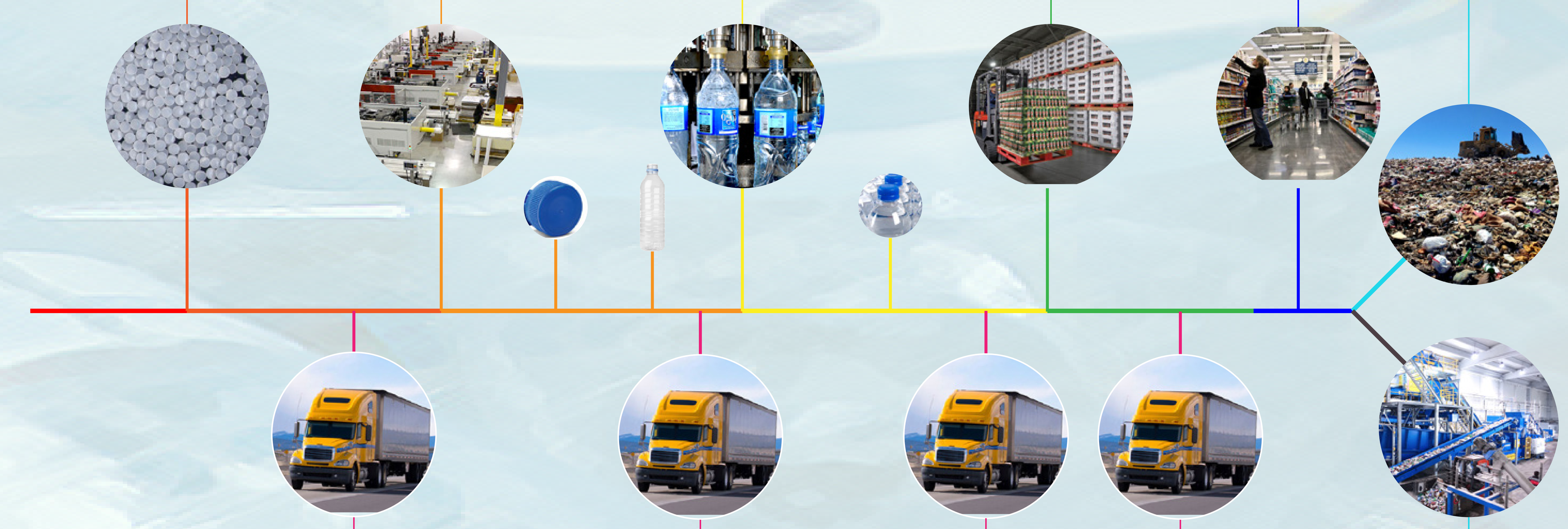
391 billion liters of water was consumed during 2017 in the U.S

Thats 32.6 billion packs of water



THE LIFE CYCLE OF A BOTTLE





Pros

-Efficient warehousing and storage

-Cheaper packaging and transportation

-Mass production is cheaper

-More accessible variety goods

Rapid delivery of goods

Cons

-Automation of jobs

-Raw materials are processed at a higher rate

-Higher output of waste

-Impact on local economy

-Increased rates of carbon pollution

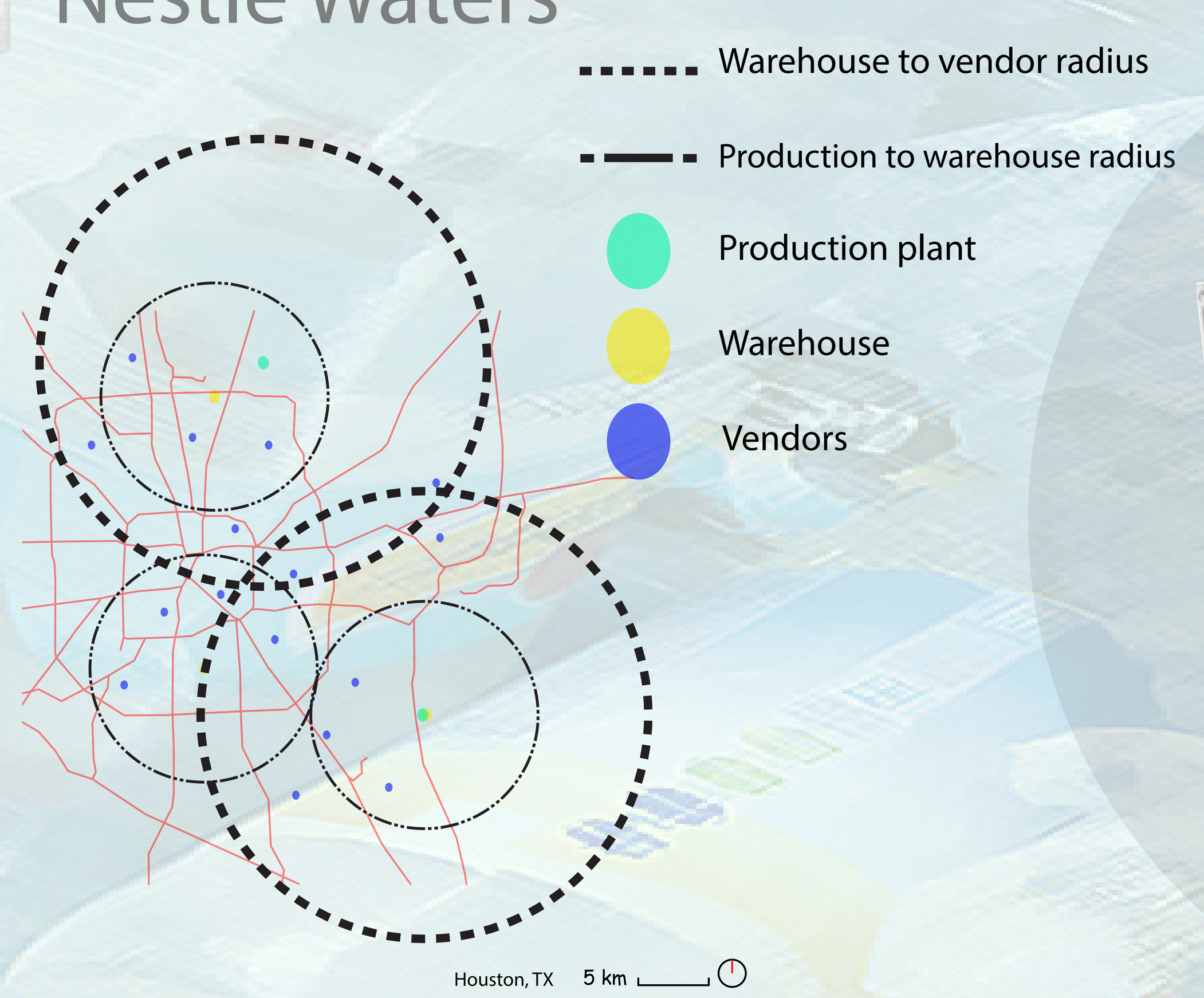
LOGISTICS OF BOTTLED WATER

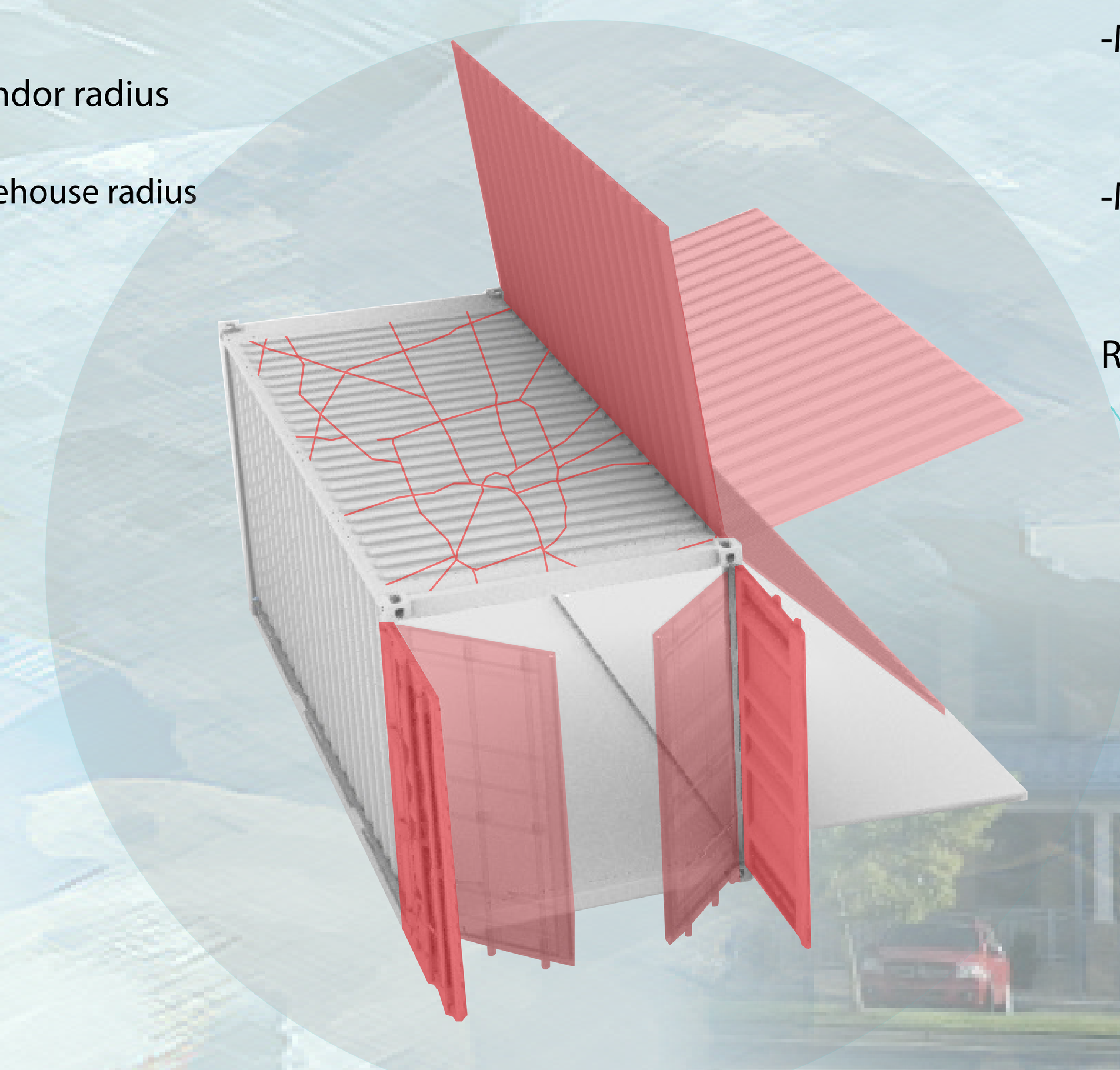
Storage

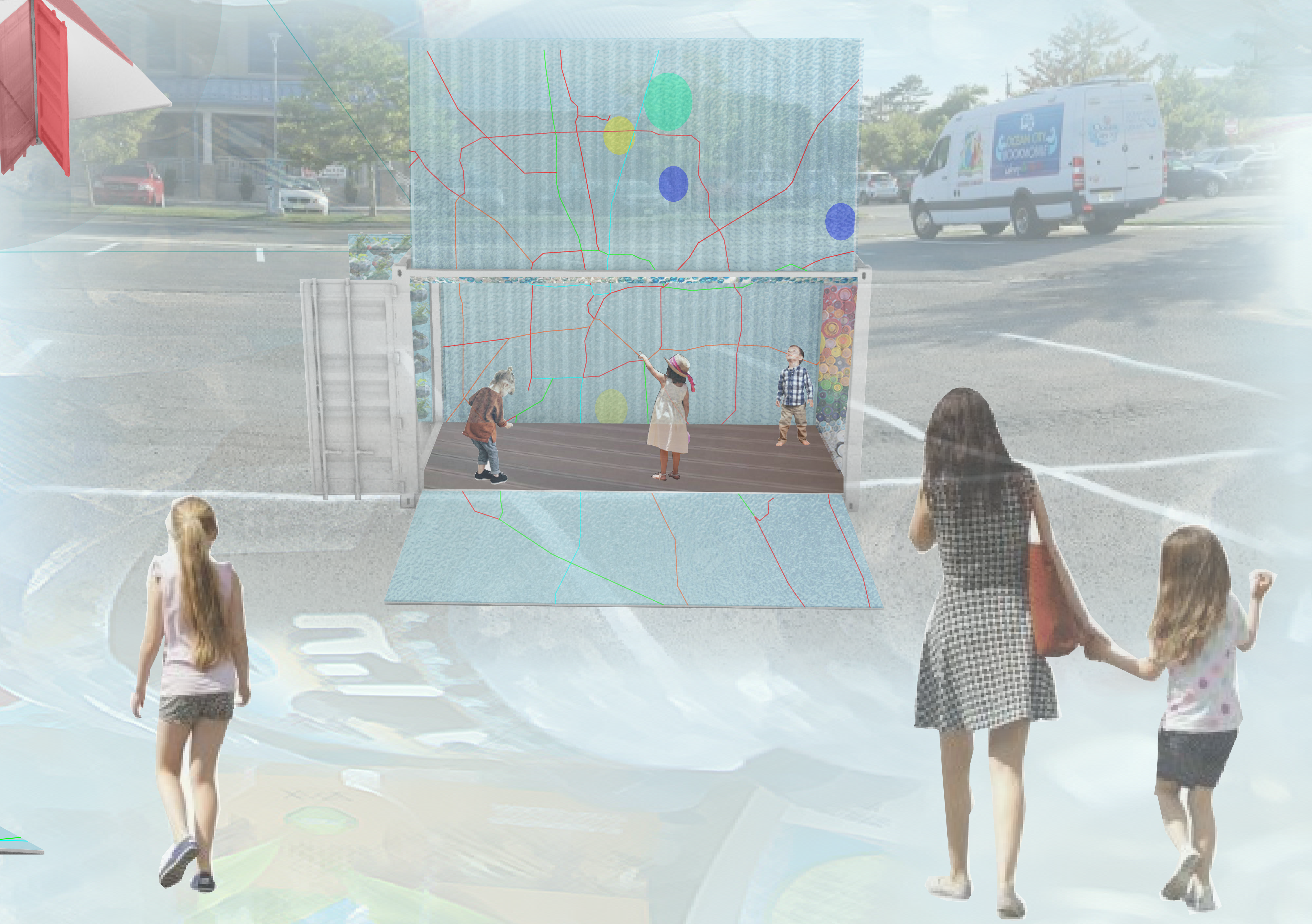
.5 liters bottles fit up to 72 cases on a pallet

a container can hold up to 20 palletes of water bottles

Nestlé Waters





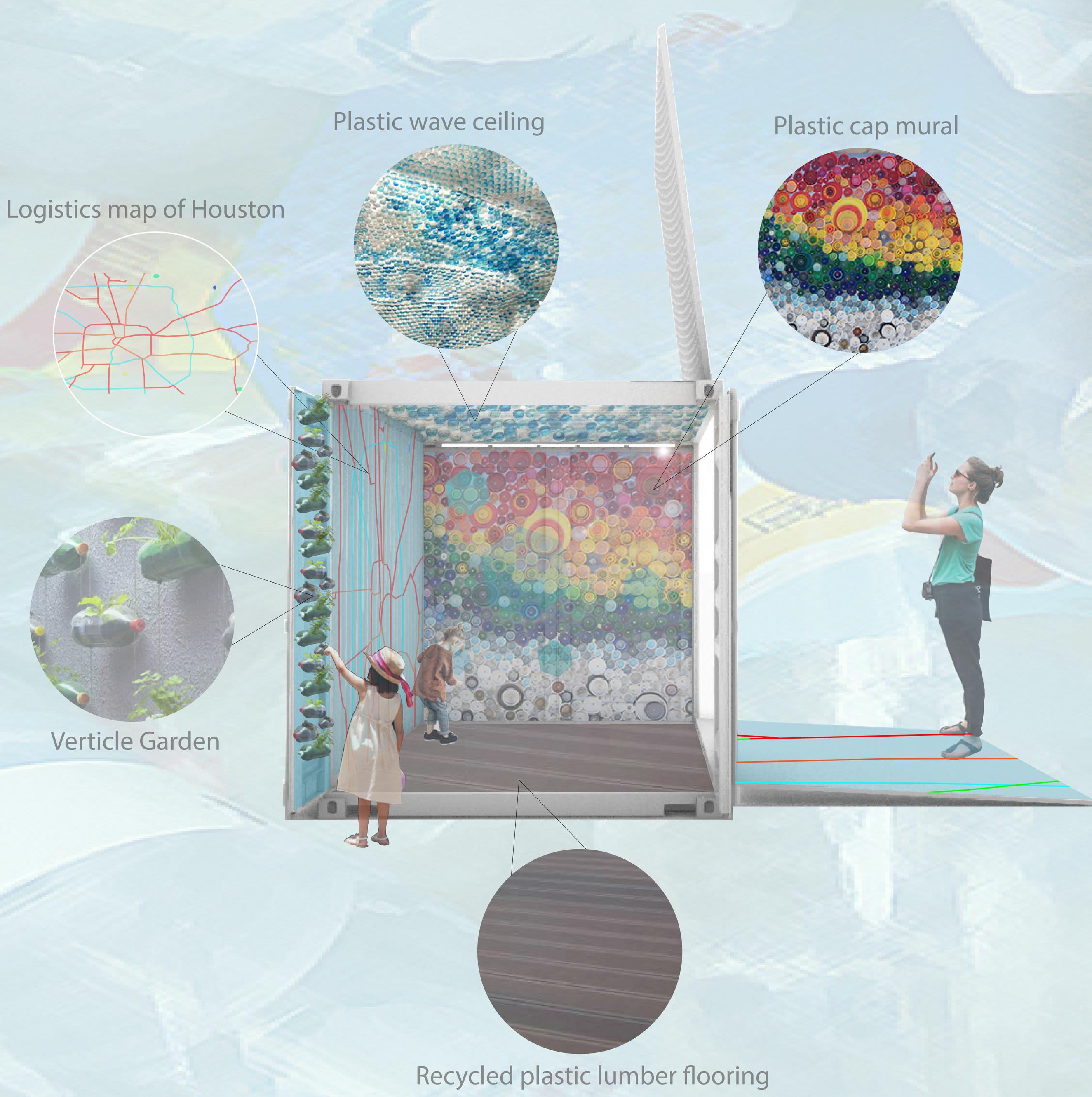


THE COST OF MANUFACTURING

It takes about 450 years for plastic to degrade over time

It takes 3 times the amount of water, found in a water bottle, to create one plastic bottle for water

1/3 of a bottle of crude oil is used to make each plastic bottle



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