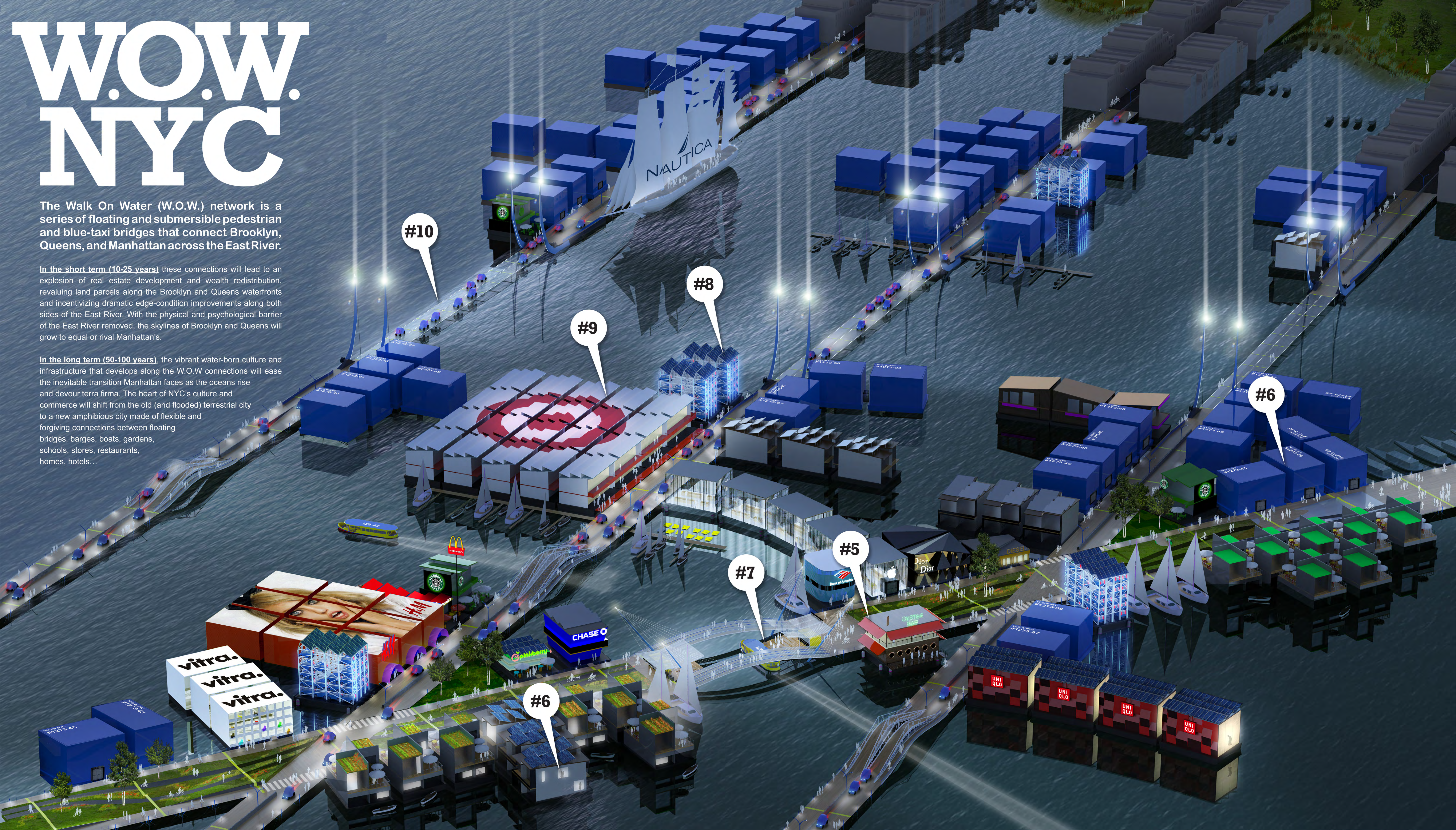


W.O.W. NYC

The Walk On Water (W.O.W.) network is a series of floating and submersible pedestrian and blue-taxi bridges that connect Brooklyn, Queens, and Manhattan across the East River.

In the short term (10-25 years) these connections will lead to an explosion of real estate development and wealth redistribution, revaluing land parcels along the Brooklyn and Queens waterfronts and incentivizing dramatic edge-condition improvements along both sides of the East River. With the physical and psychological barrier of the East River removed, the skylines of Brooklyn and Queens will grow to equal or rival Manhattan's.

In the long term (50-100 years), the vibrant water-born culture and infrastructure that develops along the W.O.W. connections will ease the inevitable transition Manhattan faces as the oceans rise and devour terra firma. The heart of NYC's culture and commerce will shift from the old (and flooded) terrestrial city to a new amphibious city made of flexible and forgiving connections between floating bridges, barges, boats, gardens, schools, stores, restaurants, homes, hotels...



Top 10 Reasons to build the Walk On Water Network:

#10

Suspension bridges are so 1880.

At the time John Augustus Roebling designed the Brooklyn Bridge the East river was a bustling port and it was necessary to keep an open thoroughfare for sea-born traffic. Times have changed, and the demand for pedestrian connectivity across the river now outweighs the benefit of unrestricted boat access. Floating and submersible bridges are a lower cost alternative to suspension bridges, enabling pedestrian, bike, and blue-taxi connections as well as ship access.

#9

Capitalism floats.

Manhattan's waterfront is approximately 32 miles long. Adding 24 W.O.W. bridges would almost double this total river-front surface area, effectively transforming the East River into a dynamic cultural and economic playing field where forces of supply and demand can flex, ebb, and flow without the ossified restrictions of foundation, rigid block structure, and restrictive building footprints. 30ft x 50ft barge modules assemble and reassemble along the length of the bridges, making big-box retail, boutique shops, restaurants, and homes.

#8

Drive to work in a car that parks itself.

Self-parking electrical micro-cars are stored and re-charged in modular vending towers. They are powered exclusively by wave energy and solar power. Their lightweight construction and small form-factor enables them to travel across dedicated W.O.W. bridges, alleviating congestion in the existing bridges and tunnels in the area. Vending barges can be floated up and down the river to deliver damaged and repaired cars to and from the local manufacturing facility in the Bronx.

#7

New Yorkers get their sea legs.

W.O.W. bridges can have ferry stops integrated directly into their structure, allowing for more efficient operating schedules. Much like the subway system in Manhattan, one ferry would head uptown while the other would head downtown. More convenient and frequent ferry times will make ferry transport more popular for daily commuters.

#6

Home sweet boat.

Living off the grid has its perks. Link several barges together to form a waterborn mansion or share a floating flat with college friends. And if you don't like your location, move... your house. Twice a year house-boat re-locations would be permitted by the city of New York, for a fee of course.

#5

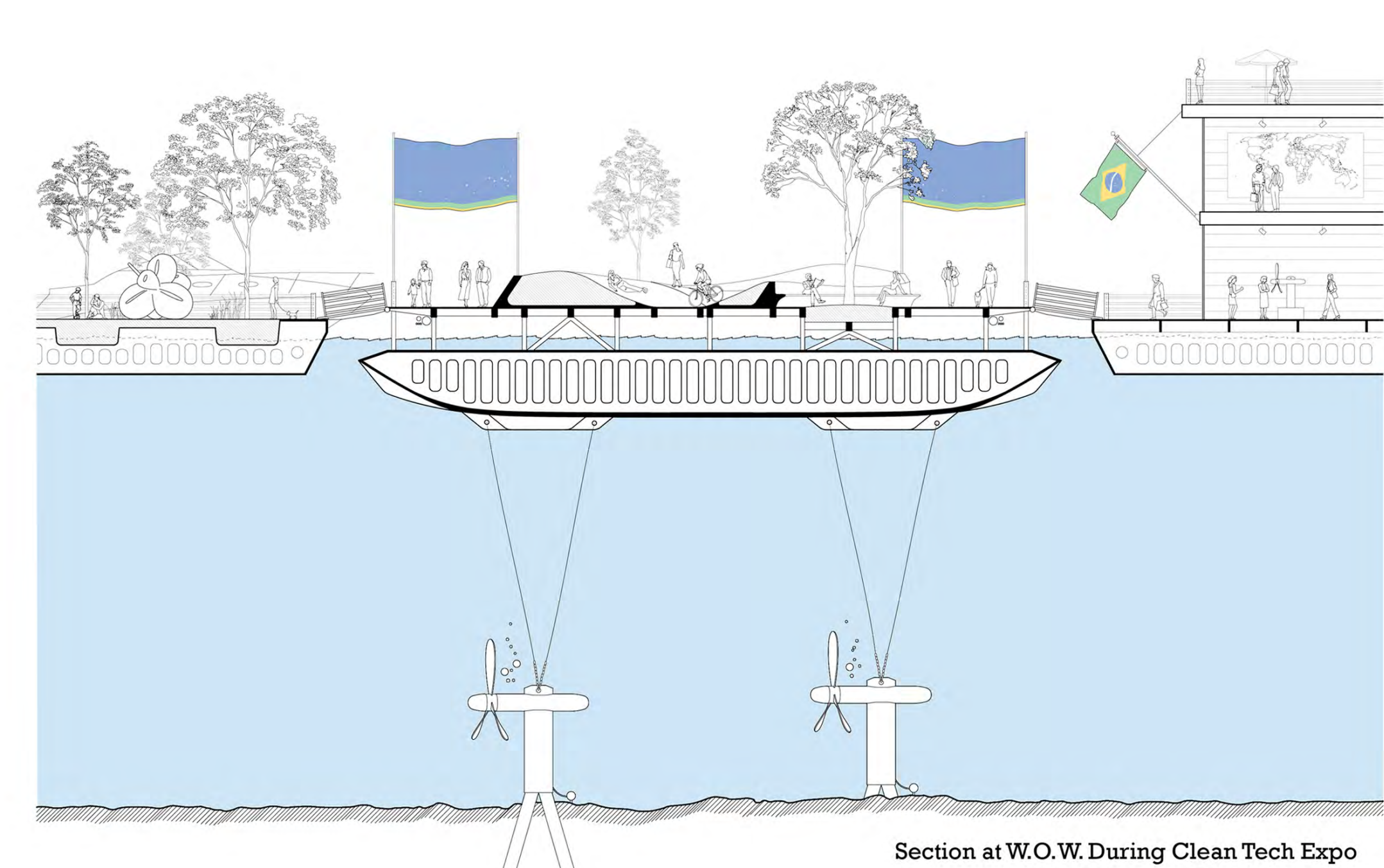
Improve your libido.

Oysters are considered to be "ecosystem engineers" because of the multiple functions they perform to shape their environment. They also happen to be delicious. In addition to restoring the oyster beds along the East River, a complex and dynamic food-boat culture will grow up along the W.O.W. bridges, offering fresh local produce and re-connecting New York to its historic roots as a port city.

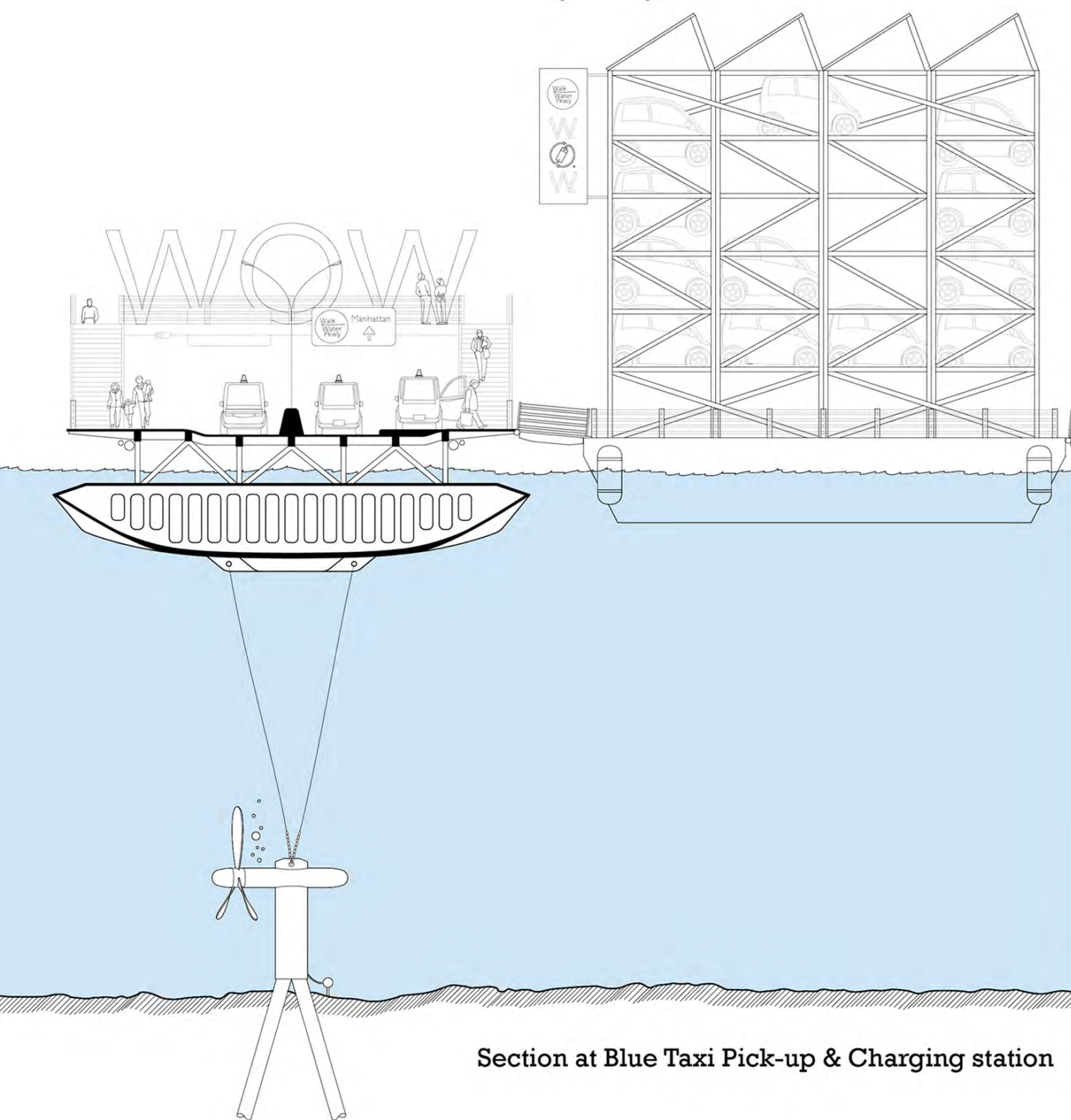
#4

Bailout NYC.

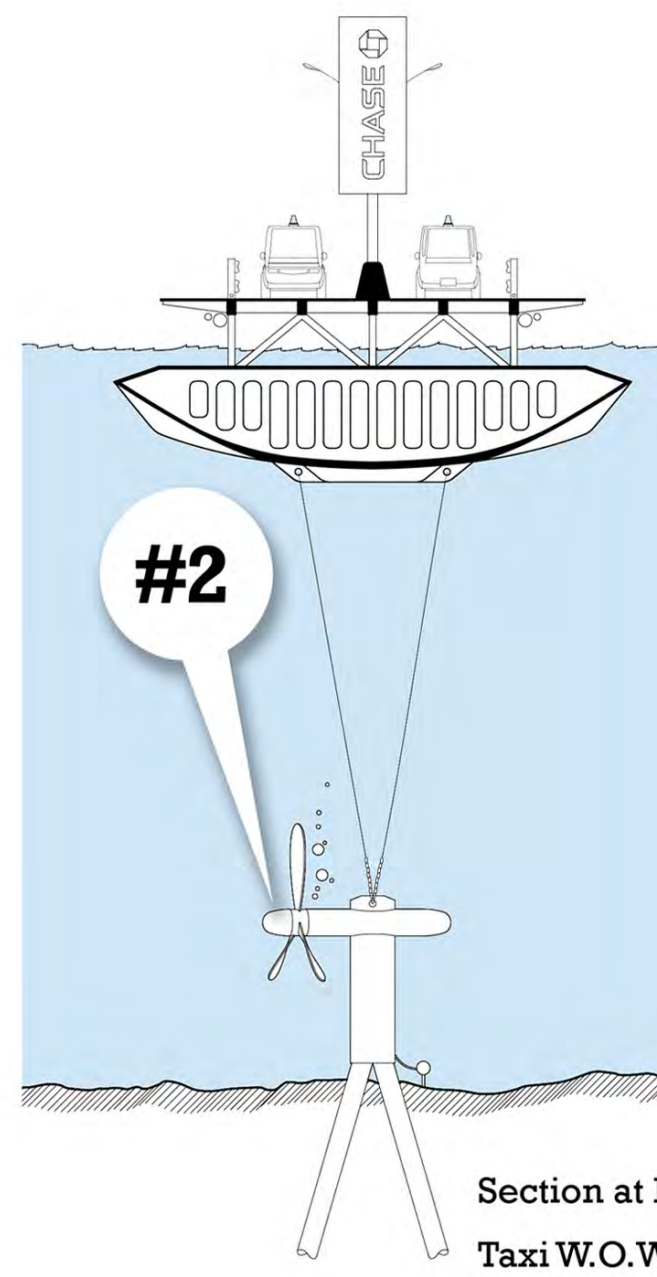
The 6th borough acts as infill, stitching the 5 boroughs more tightly together which redistributes value and spawns growth. Developers begin to assemble small parcels within development zones in Brooklyn and Queens to capitalize on the newfound adjacencies afforded by the W.O.W. Network.



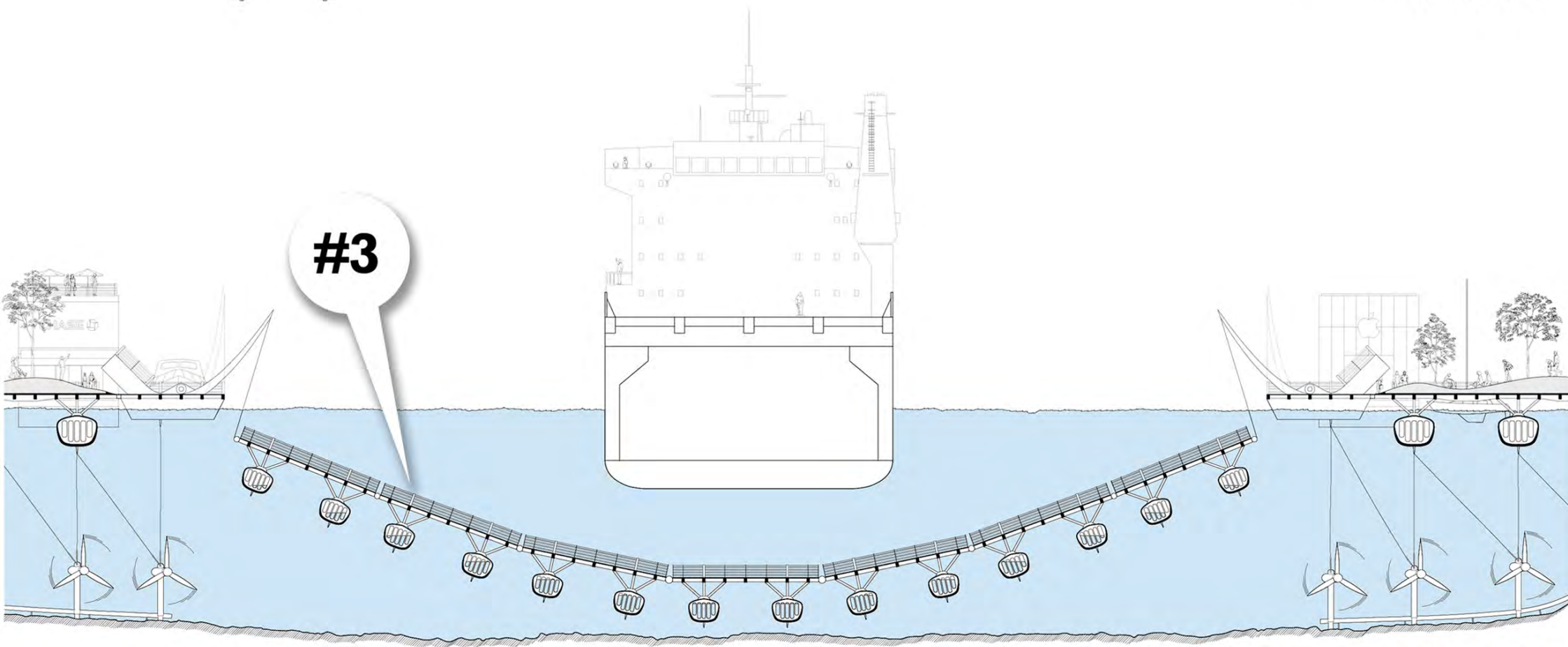
Section at W.O.W. During Clean Tech Expo



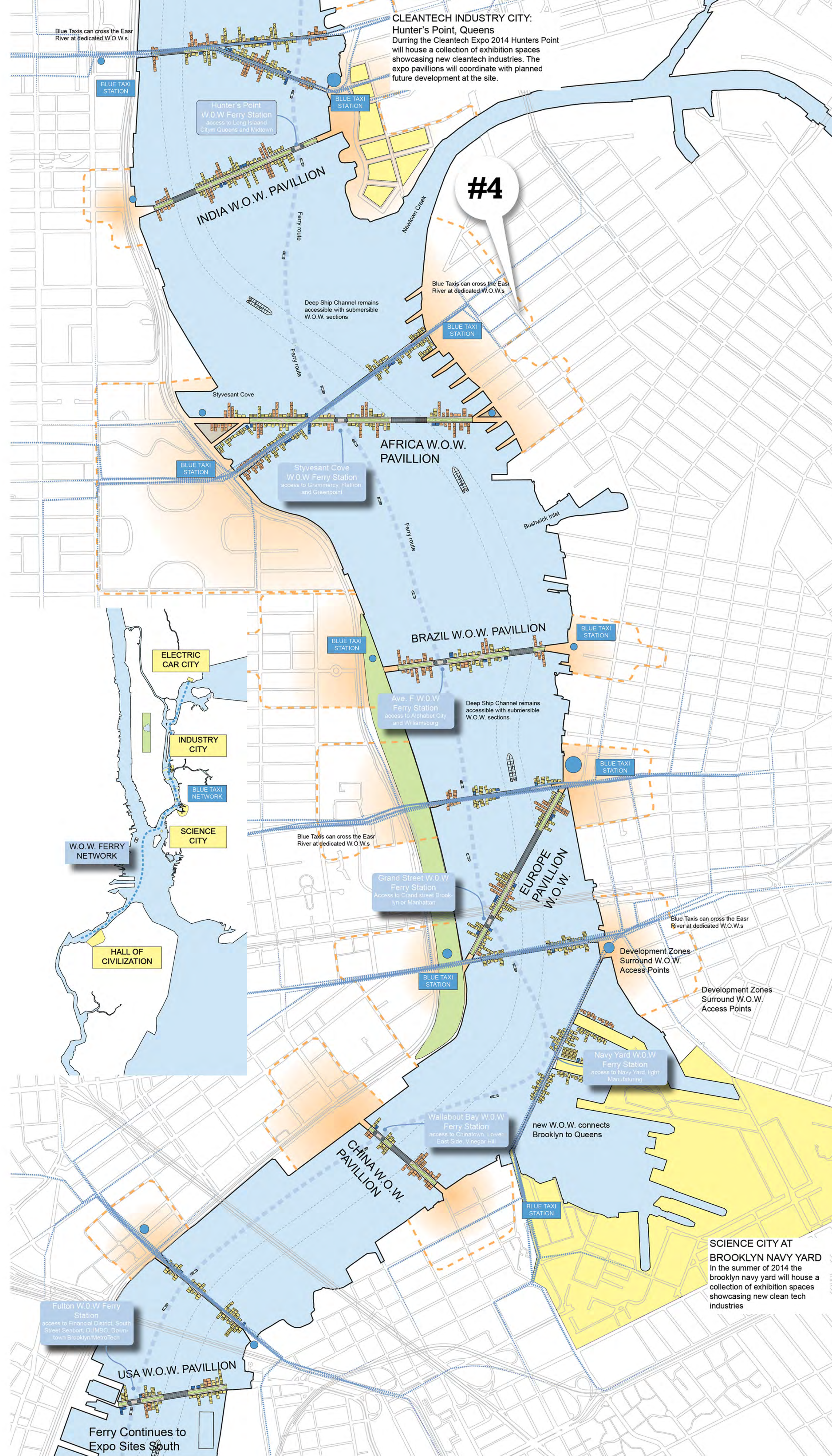
Section at Blue Taxi Pick-up & Charging station



Section at Blue Taxi W.O.W.

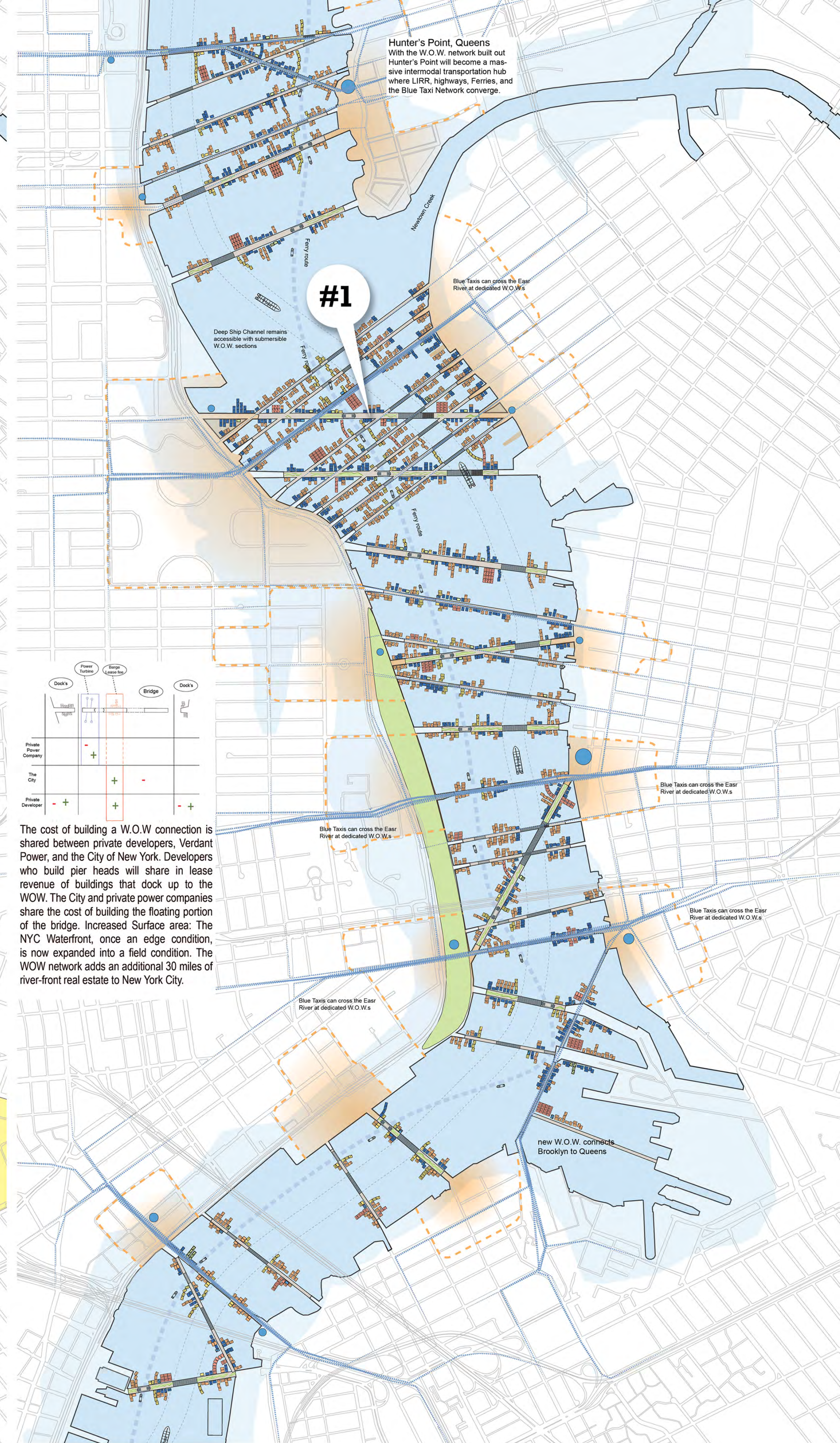


Section Through Submersible Bridge W.O.W.



W.O.W.NYC 2014 Clean Tech Expo

The 2014 Clean Tech Expo seeds the foundation for W.O.W.NYC. The Brazil, China, USA, India, and Africa pavilions are conceived as the first W.O.W. connections linking current critical transportation points, communities, and amenities across the river. Each pavilion can be accessed from either side of the east river, or from a ferry stop integrated within the length of each W.O.W. connection. Blue Taxi network bridges will ease congestion along current transportation arteries by providing zero-emission-only (Blue taxi, bike, pedestrian) river crossings.



W.O.W.NYC 2050 NYC Floats

More connections are built in public-private partnership. 30ft x 50ft barge modules assemble and reassemble along the length of the W.O.W. bridges, transforming the surface of the East River into a dynamic cultural and economic playing field where forces of supply and demand can flex, ebb, and flow without the ossified restrictions of foundation, rigid block structure, and restrictive building footprints.

#3

Sink it to Link it.

Each W.O.W. is equipped with a submersible segment that allows for deep-hulled boats to freely navigate the East River. In the same way a drawbridge temporarily raises to allow for boats to pass, the ballasts of the submersible bridges will flood at scheduled times each day, sinking the bridges like submarines. WOW!

#2

Double Down to Power Up.

Each WOW is anchored to the riverbed to reduce sway and drift. By using Verdant Power turbines as anchor points, the cost of large-scale deployment of this sustainable energy source can be better justified. On average each W.O.W. will have 102 underwater turbines. Each turbine can produce 25 kWh, which equates to 127,500 kWh for 50 W.O.W. bridges, enough to power over 100,000 NYC apartments for a year.

#1

The Legacy of the Clean Tech Expo Floats on.

Self-parking electrical micro-cars are stored and re-charged in modular vending towers. They are powered exclusively by wave energy and solar power. Their lightweight construction and small form-factor enables them to travel across dedicated W.O.W. bridges, alleviating congestion on the existing bridges and tunnels in the area. Vending barges can be floated up and down the river to deliver damaged and repaired cars to and from the local manufacturing facility in the Bronx.