

Floatropolis

The 14th Virtual Design World Cup Caffeine and nap

DESIGN CONCEPT

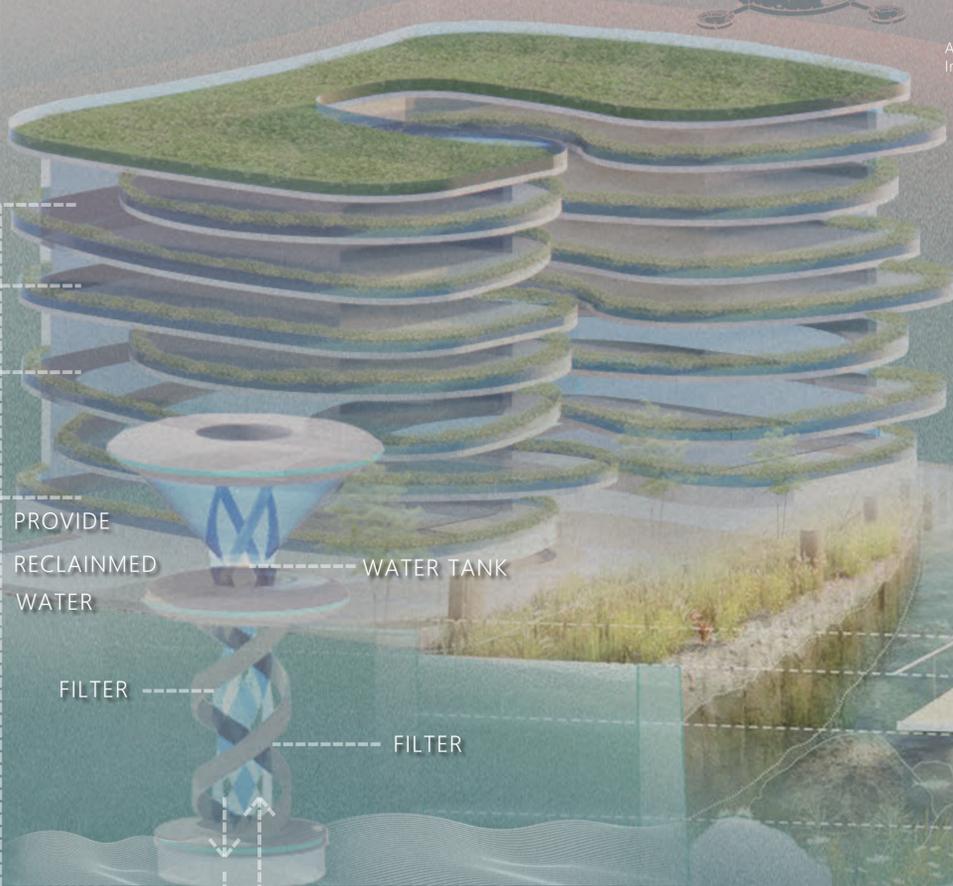
Due to global warming, Boston is facing the impact of extreme weather. In response to Boston's climate change adaptation strategy and in alignment with the vision of coexisting with the NHA, this theme has been integrated into the harbor district planning. Sustainable and circular concepts have been incorporated into the architecture, while preserving landmarks and historical culture. The harbor district is being innovated, and collaboration with the NHA aims to promote smoother and safer transportation and freight systems.

NHA

The NHA is an indispensable part of city operations, serving as a helpful assistant in daily life and a mobile knowledge base for people.

OFFSHORE PARK

Create a seaside park to attract more people, promote community interaction, and invigorate coastal business districts.



PRECAUTIONARY WATER EXTRACTION

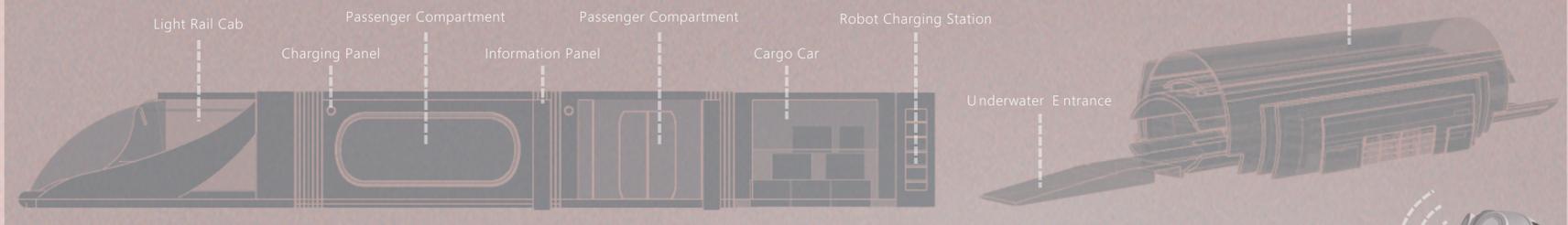


WATER CIRCULATION BUILDING

In response to the Boston government's extreme climate initiatives, greenery will be integrated into architectural design. The first floor of new buildings will be elevated to withstand flooding and designated as green spaces, connecting with the landscape and new constructions. When rainfall exceeds normal levels, the system can quickly pump excess water to supply the building's greenery, achieving the goal of sustainable architecture.

FUTURE LIGHT RAIL

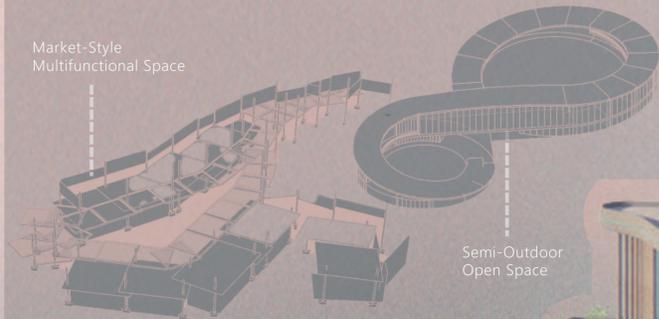
The vehicle can travel in modular sections, including passenger and cargo compartments. When passing through underwater tunnels, it can effectively use NHA for traffic diversion.



MINOR STATION

On land, minor stations will serve as simple inspection points and stops.

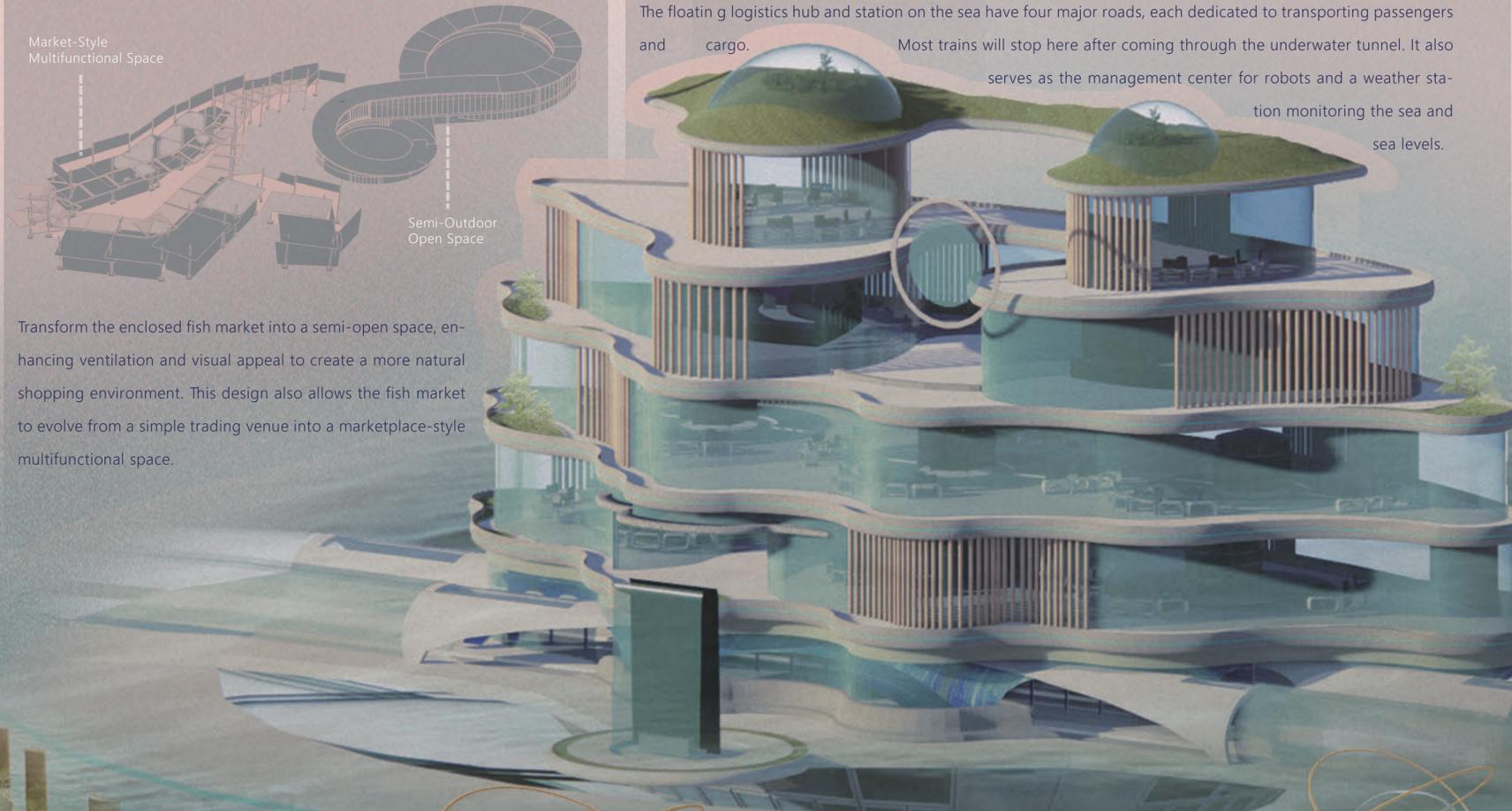
INNOVATIVE FISH MARKET



Transform the enclosed fish market into a semi-open space, enhancing ventilation and visual appeal to create a more natural shopping environment. This design also allows the fish market to evolve from a simple trading venue into a marketplace-style multifunctional space.

MAIN TOWER

The floating logistics hub and station on the sea have four major roads, each dedicated to transporting passengers and cargo. Most trains will stop here after coming through the underwater tunnel. It also serves as the management center for robots and a weather station monitoring the sea and sea levels.



DANGER
ALERT
NORMAL

ON-WATER RESCUE BALLS

Real-time monitoring of sea conditions and water levels will transmit data back to the main tower. When rainfall exceeds warning thresholds, it will connect with NHA to notify residents. In the event of flooding, it can serve as a rescue tool to assist with disaster relief.

