MISSION STATEMENT

The project aims to create a contemporary maritime hub in Suez that connects education, innovation, culture, and public interaction, strengthening the city's identity as a global maritime destination.

CONCEPT STATEMENT

The project is inspired by the movement of water and maritime connectivity. A flowing structural shell links culture, education, public activity, and the waterfront into one unified contemporary maritime destination.

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WHY SUEZ?

POTENTIALS
Strategic maritime gateway.
Strong waterfront identity and open sea views.
Active maritime and logistics economy.

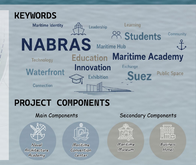
PROBLEMS
Underused waterfront areas.
Fragmented urban connections.
Lack of a major cultural destination.

ASPIRATIONS
Create a vibrant waterfront landmark.
Revitalize public interaction with the sea.
Reinforce Suez's maritime identity.

SITE LOCATION

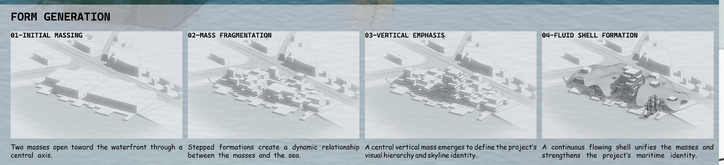
The project is located within the 40 District waterfront zone in Suez, overlooking the Gulf of Suez and connected to the city's maritime context.

KEYWORDS



PROJECT COMPONENTS

FORM GENERATION



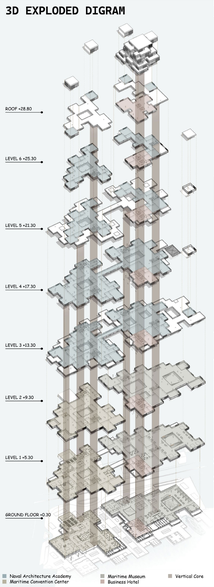
Two masses open toward the waterfront through a central axis.

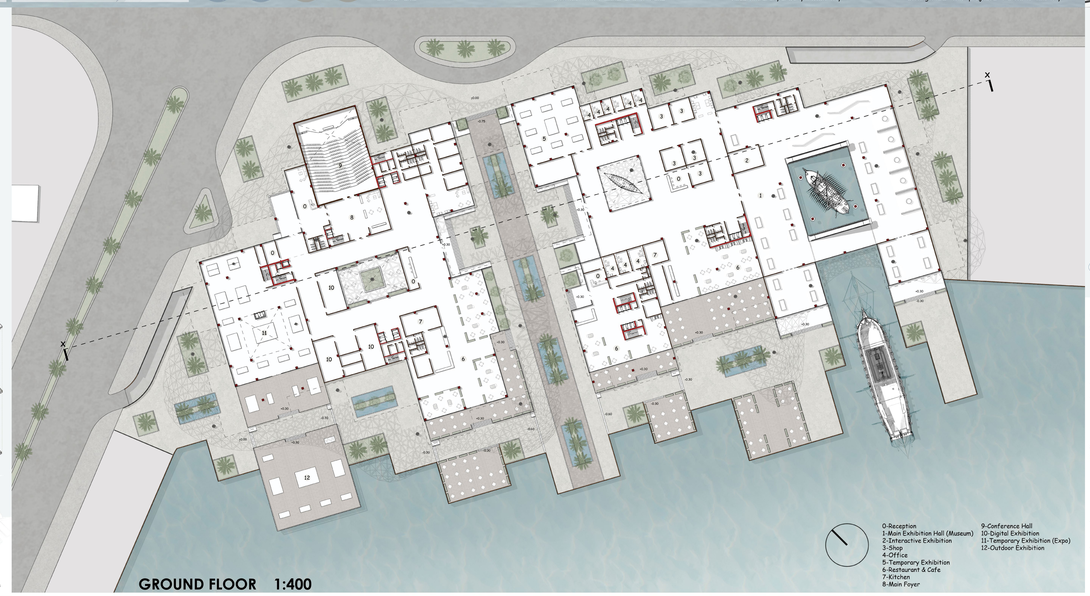
Stepped formations create a dynamic relationship between the masses and the sea.

A central vertical mass emerges to define the project's visual hierarchy and skyline identity.

A continuous flowing shell unifies the masses and strengthens the project's maritime identity.

3D EXPLODED DIGRAM

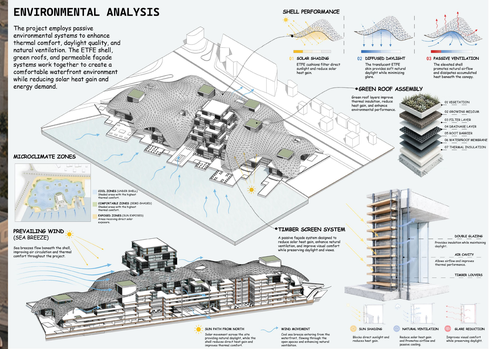




GROUND FLOOR 1:400

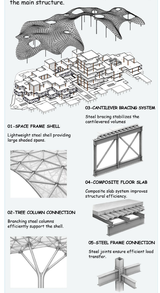
ENVIRONMENTAL ANALYSIS

The project employs passive environmental systems to enhance thermal comfort, daylight quality, and natural ventilation. The ETFE shell, green roofs, and permeable façade systems work together to create a comfortable waterfront environment while reducing solar heat gain and energy demand.



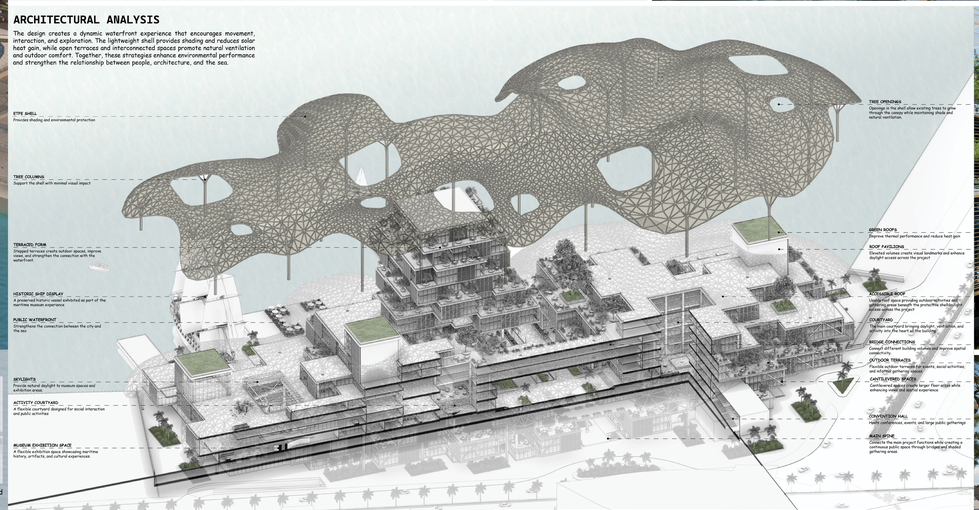
STRUCTURAL SYSTEM

The building uses a composite steel frame system for stability and flexibility. Above it, a separate steel space-frame shell is independently supported by tree columns, providing shading without loading the main structure.

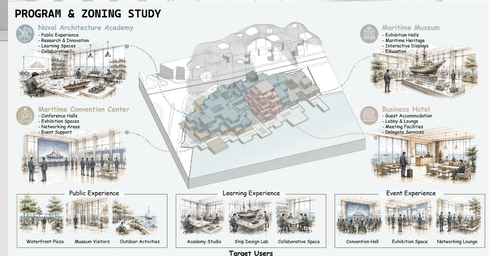


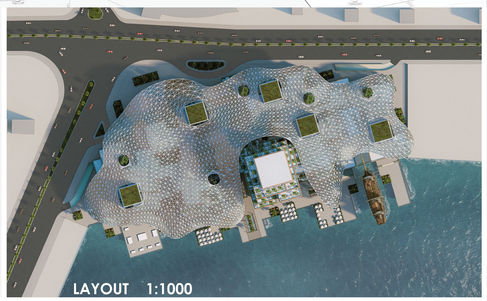
ARCHITECTURAL ANALYSIS

The design creates a dynamic waterfront experience that encourages movement, interaction, and exploration. The lightweight shell provides shading and reduces solar heat gain, while open terraces and interconnected spaces promote natural ventilation and outdoor comfort. Together, these strategies enhance environmental performance and strengthen the relationship between people, architecture, and the sea.

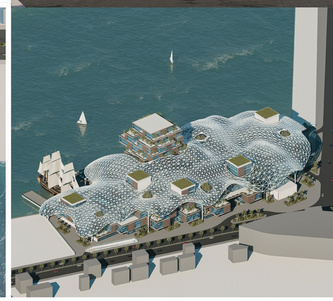


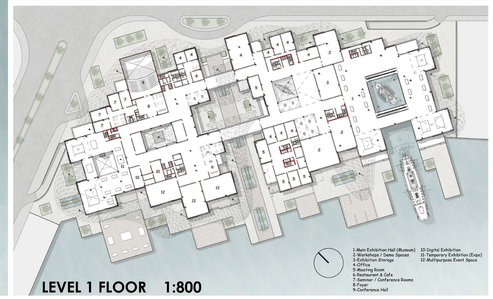
PROGRAM & ZONING STUDY



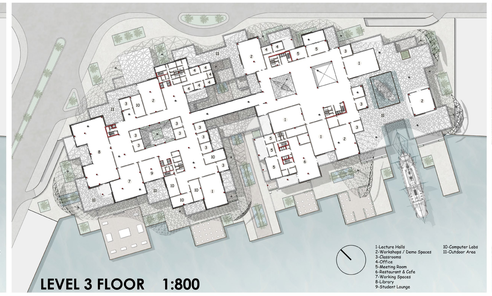


LAYOUT 1:1000

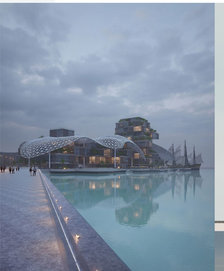




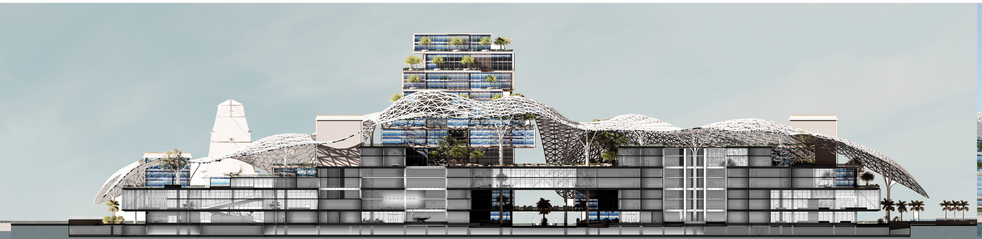
LEVEL 1 FLOOR 1:800



LEVEL 3 FLOOR 1:800



WATERFRONT ELEVATION 1:400



SECTION X-X 1:400