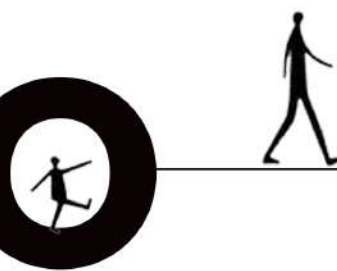


PORTO

A horizontal line extends from the right side of the word 'PORTO'. On this line, there is a silhouette of a person walking to the right. Another silhouette of a person is positioned inside the 'O' of 'PORTO', appearing to be in motion.

FOLIO

A horizontal line extends from the left side of the word 'FOLIO'. On this line, there is a silhouette of a person standing with one arm raised. Another silhouette of a person is positioned on top of the 'I' in 'FOLIO', appearing to be in motion. A third silhouette of a person is positioned to the right of the 'O' in 'FOLIO', appearing to be sitting or kneeling on a large sphere.



## **M DWIKI DARMAWAN**

PALEMBANG, MEI 03 TH 2004

Hello, I'm M. Dwiki Darmawan, a recent Architecture graduate with a strong interest in creating meaningful spatial experiences through design. I believe architecture is more than just constructing buildings it is about shaping spaces that foster interaction, evoke emotions, and create lasting experiences for the people who use them.

In every design process, I prioritize contextual analysis and space programming as the foundation for developing concepts, integrating functionality, aesthetics, and structural considerations into cohesive design solutions. I am a dedicated and detail oriented individual who is committed to continuous learning and delivering thoughtful, high quality architectural work.

 mdwikidarma@gmail.com

 087786375407

 @dq6\_6

 Indonesia, Palembang

---

## EDUCATION

|             |                                                                          |
|-------------|--------------------------------------------------------------------------|
| 2022 – 2026 | Sumatera Institute of Technology – Architecture                          |
| 2019 – 2022 | High School Diploma at SMKN 2 Palembang – Building Information Modelling |

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## WORK EXPERIENCE

|      |                                                                     |
|------|---------------------------------------------------------------------|
| 2026 | Assistant Lecturer at Sumatera Institute of Technology – Lampung    |
| 2025 | Internship Drafter and Rendering at PT Nindya Karya – North Jakarta |
| 2025 | Assistant Lecturer at Sumatera Institute of Technology – Lampung    |
| 2021 | Internship Drafter at CV Mode Karya – Palembang                     |

---

## ORGANIZATION

|             |                                                                                |
|-------------|--------------------------------------------------------------------------------|
| 2024 – 2025 | Hima Arsitektur ITERA as Public Relations for Company Division Staff – Lampung |
| 2022        | Chairman of Junior Red Cross at SMKN 2 I Palembang                             |

---

## ACHIEVEMENT

|      |                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------|
| 2026 | Top 15 – Architectur Design Competition – INTEGRARCH 2025 – Sustaining The Modernity – Team Participant                     |
| 2026 | Honorable Mention – International Architecture Design Competition – Asian Institute of Low Carbon Design – Team Participant |
| 2024 | Participant – Architecture Design Competition – ETALASE 2024 UNNES – Pasar Rakyat Kampung Melayu – Team Participant         |
| 2024 | 3rd Place – Architecture Design Competition – Kelas Arsi X Sokajaya Utama – Sayembara design Masjid – Team Participant      |

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## SOFTWARE SKILLS

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| AutoCAD                                                                               | SketchUp                                                                              | D5 Render                                                                             | Enscape                                                                               | Canva                                                                                 | Word                                                                                  | Excel                                                                                 | Photoshop                                                                             |

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## THALASA

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2026



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2025



.03

## SERUNI APIK

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2024



.04

**SANGGAR TEDUH**  
Co-Working Space  
2026



.05

**AL-MUTA'AH**  
Islamic Prayer Facility  
2024



.06

**MIRROR DECO**  
Floating City  
2026

# .07

**NAME PROJECT**

THALASSA

**PROJECT TYPE**

Final Project

**ROLE**

Individual Project

**YEAR**

2026

**FLOOR AREA**

30.000 m<sup>2</sup>

**DESCRIPTION**

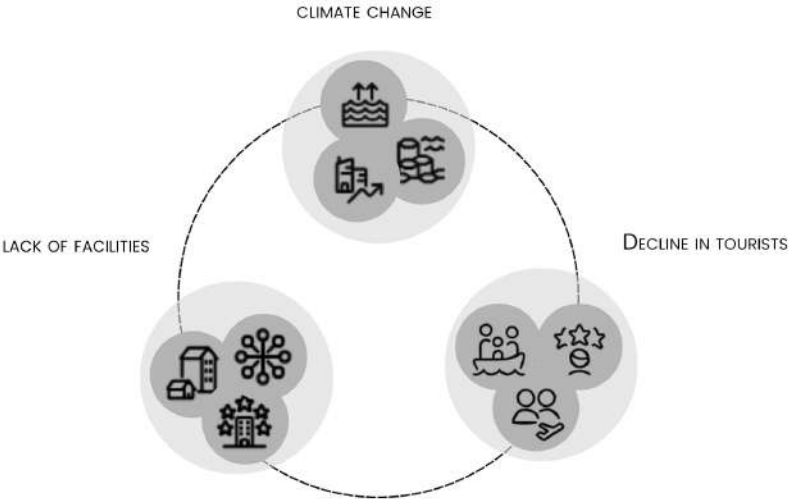
Floating Oceanic Activity Center is a waterfront destination designed as a central hub for recreation, tourism, and public interaction. The project integrates various water-based activities within a sustainable and immersive marine environment, creating a unique destination that enhances the relationship between people and the ocean.



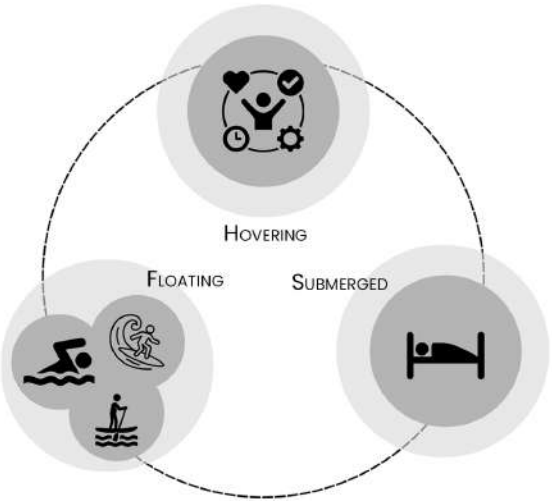
PROJECT BACKGROUND

As sea levels continue to rise, the relationship between people and coastal environments is being redefined. Rather than viewing the ocean as a barrier to development, this project reimagines it as a new frontier for living and recreation. The Floating Oceanic Activity Center is a utopian architectural vision that introduces a resilient floating destination, designed to accommodate recreational and public activities while adapting to changing environmental conditions and embracing the sustainable potential of the marine environment.

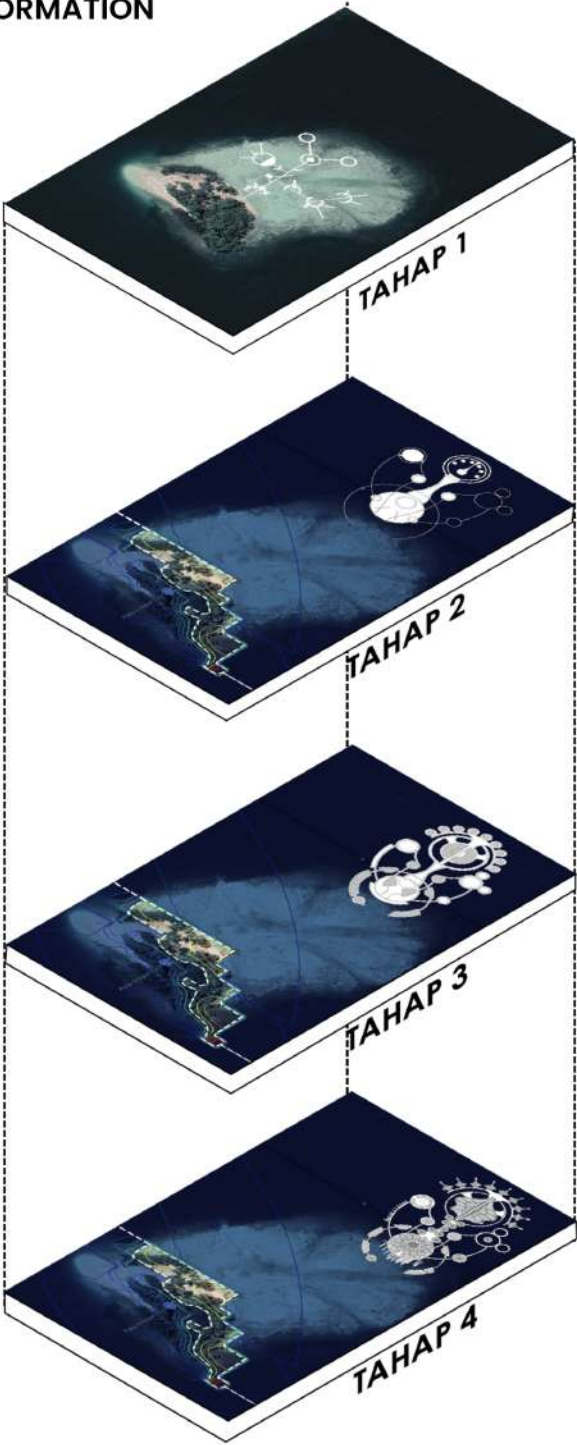
PROJECT ISSUES



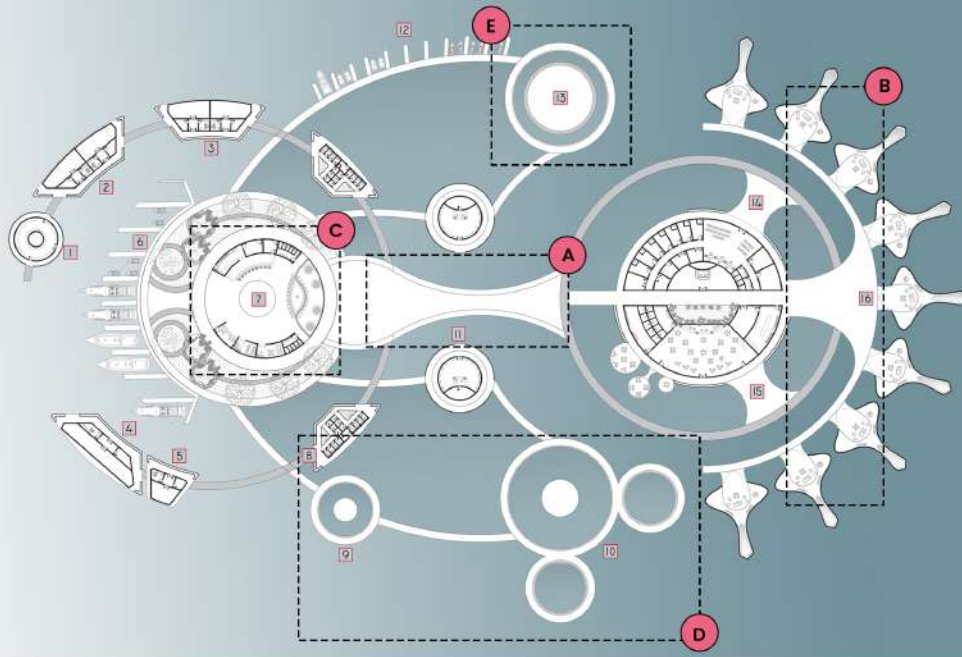
CONCEPT



FORM TRANSFORMATION



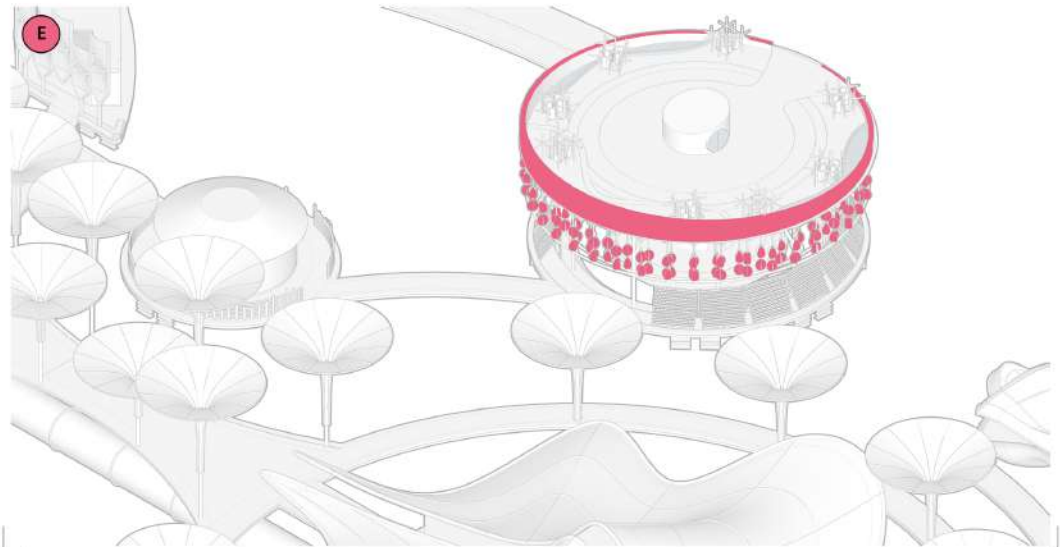
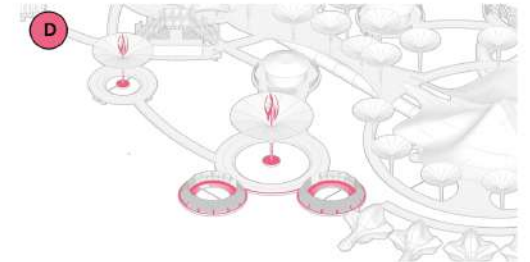
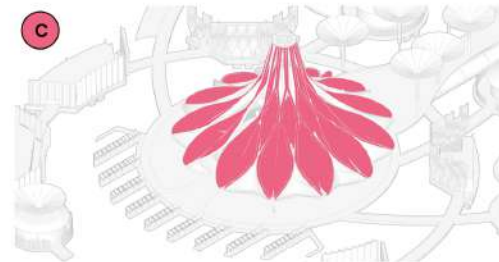
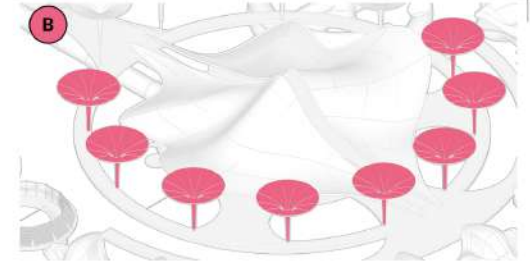
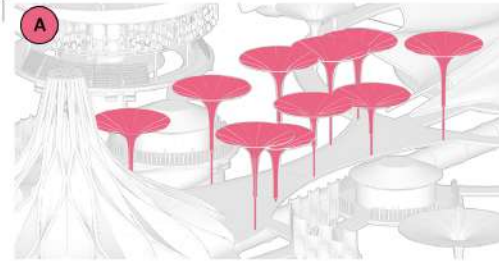
## GROUND PLAN



### Legends

1. System Control Center
2. Clean Water and Waste Water Treatment
3. Organic and Non Organic Waste Treatment
4. Electrical Energy Processing
5. Black Water Waste Treatment
6. Pier
7. Ocean Club
8. Toilet
9. Fishing Area
10. Diving Area
11. Ocean Gear Station
12. Ocean Gear Station
13. Watersport Area
14. Health Center
15. Restaurant
16. Ocean Cottage

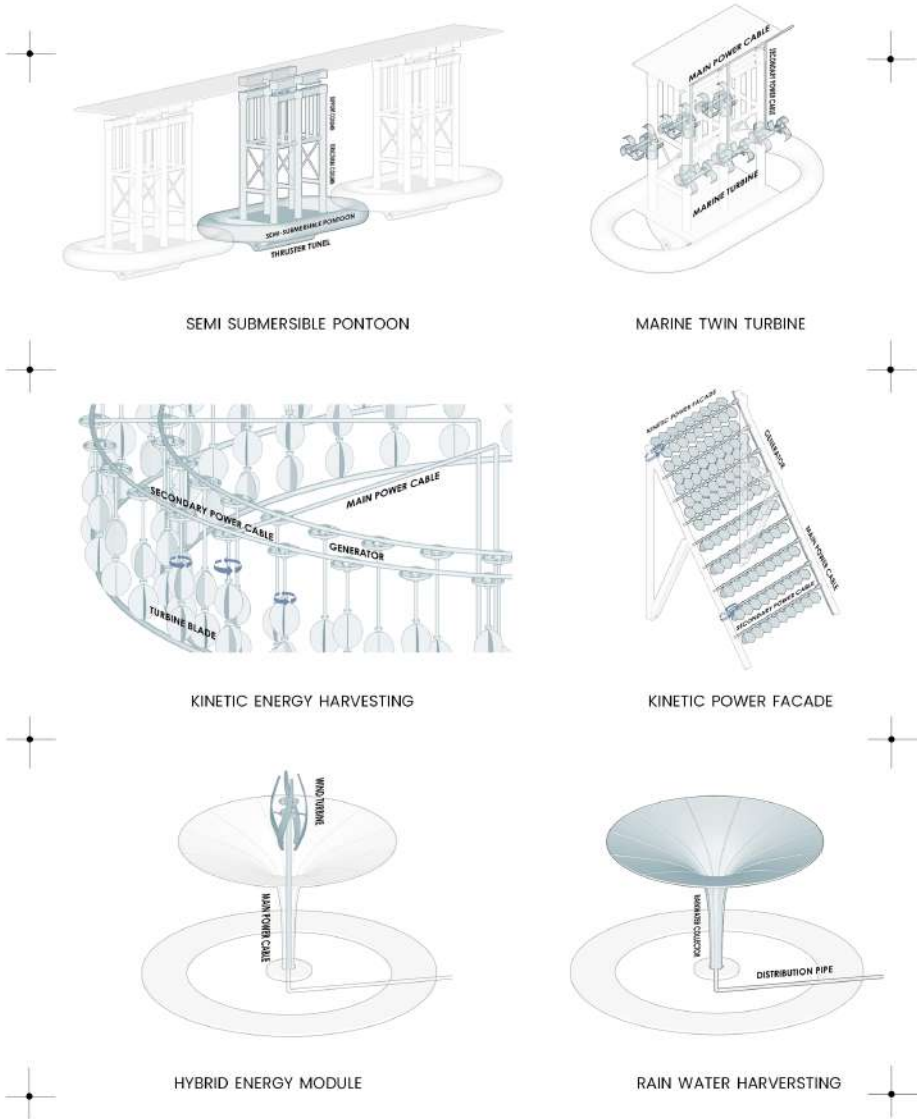
## ENERGY SYSTEM PLACEMENT



### Legends

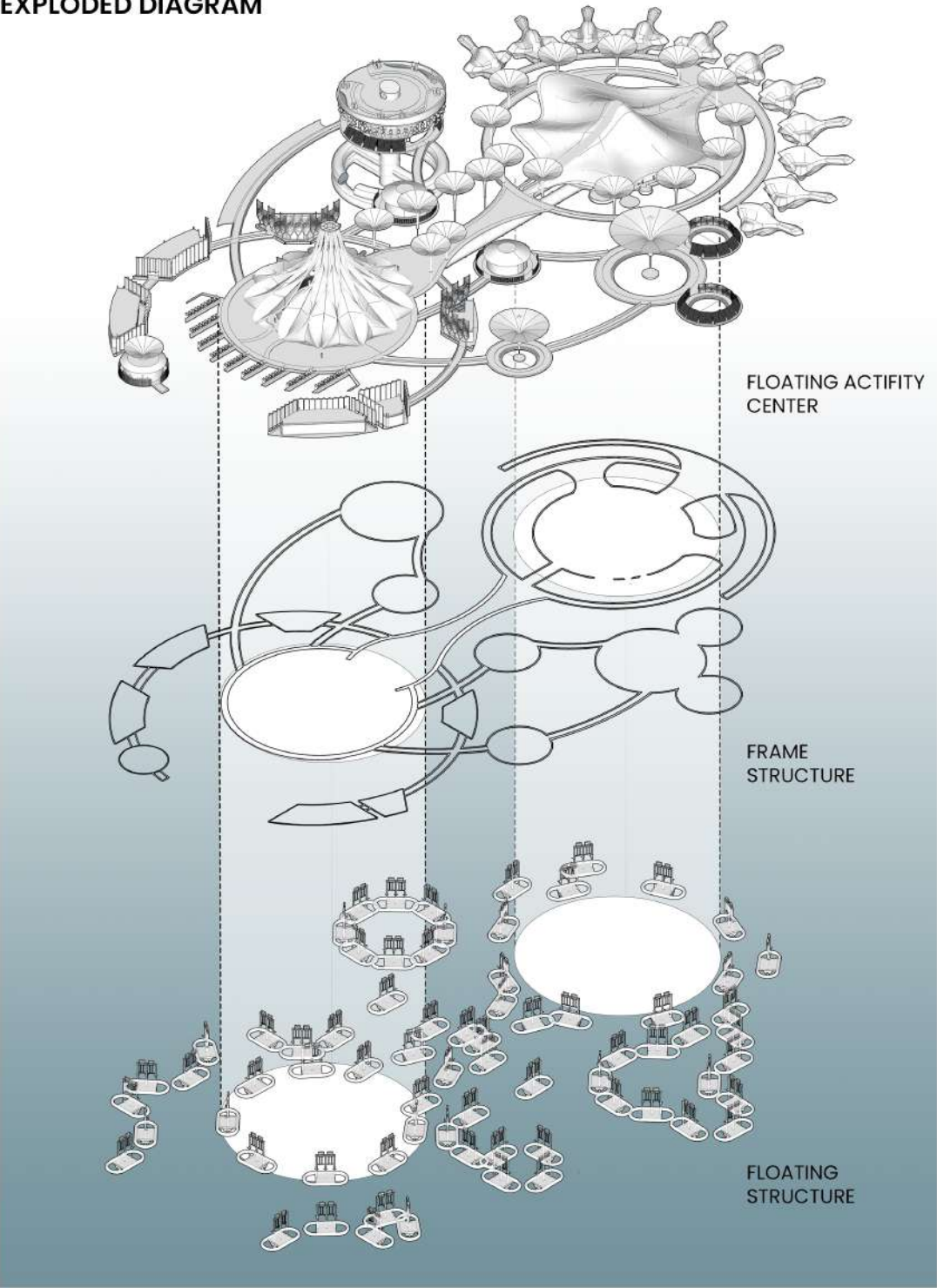
- A. Rainwater Harvesting Area
- B. Rainwater Harvesting Area
- C. Building Integrated Photovoltaics Area
- D. Hybrid Energy Area
- E. Kinetic Energy Harvesting Area

ENERGY SYSTEM MODULE

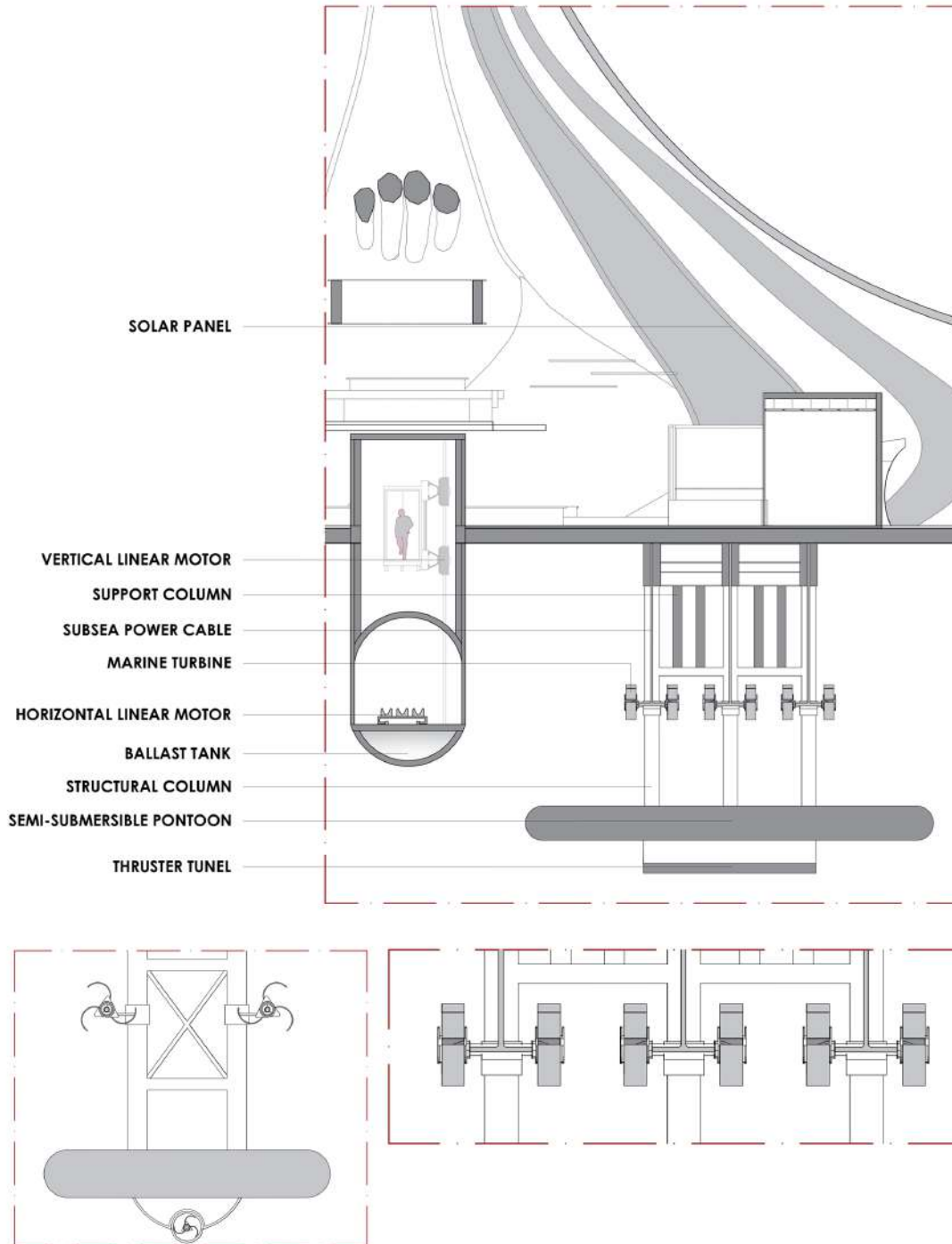


Self-sustaining building is a building concept designed to meet most or all of its operational needs independently by utilizing resources available from the surrounding environment. This approach aims to reduce dependence on external utility networks, such as electricity, clean water, and waste management systems, enabling the building to operate efficiently, sustainably, and with minimal environmental impact.

EXPLODED DIAGRAM



## TECHNICAL DRAWING



## PROJECT VIEWS



PROJECT VIEWS



# .02

**NAME PROJECT**

TRILOGY

**PROJECT TYPE**

Academic Project

**ROLE**

Individual Project

**YEAR**

2025

**FLOOR AREA**

7.000 m<sup>2</sup>

**DESCRIPTION**

This commercial apartment development is a response to the high population density within the government district and the limited availability of land. The vertical housing concept is implemented to optimize land use while providing residential accommodations in close proximity to the government activity center.







## FORM TRANSFORMATION



The building mass is divided into three separate volumes, creating a central green courtyard that serves as a communal open space while enhancing natural lighting, ventilation, and visual connectivity.

The building is developed into a six-story structure with designated functions, organized into three distinct functional zones.

The two building masses are connected to form a U-shaped configuration, creating seamless connectivity between the functional zones and improving spatial circulation.

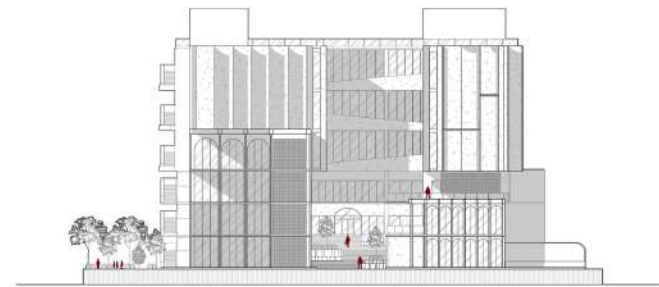
Several floor plates are recessed to accommodate the spatial requirements of the three functional zones while creating a more dynamic building form.

# TECHNICAL DRAWING

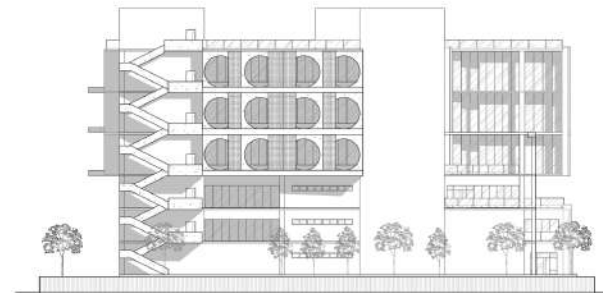


## Legends

1. Main Building
2. Generator & Electrical Room
3. Car Parking
4. Motorcycle Parking
5. Waste Management Area
6. Service Drop-Off
7. Visitor Drop-Off & Fire Access



FRONT ELEVATION



SIDE ELEVATION

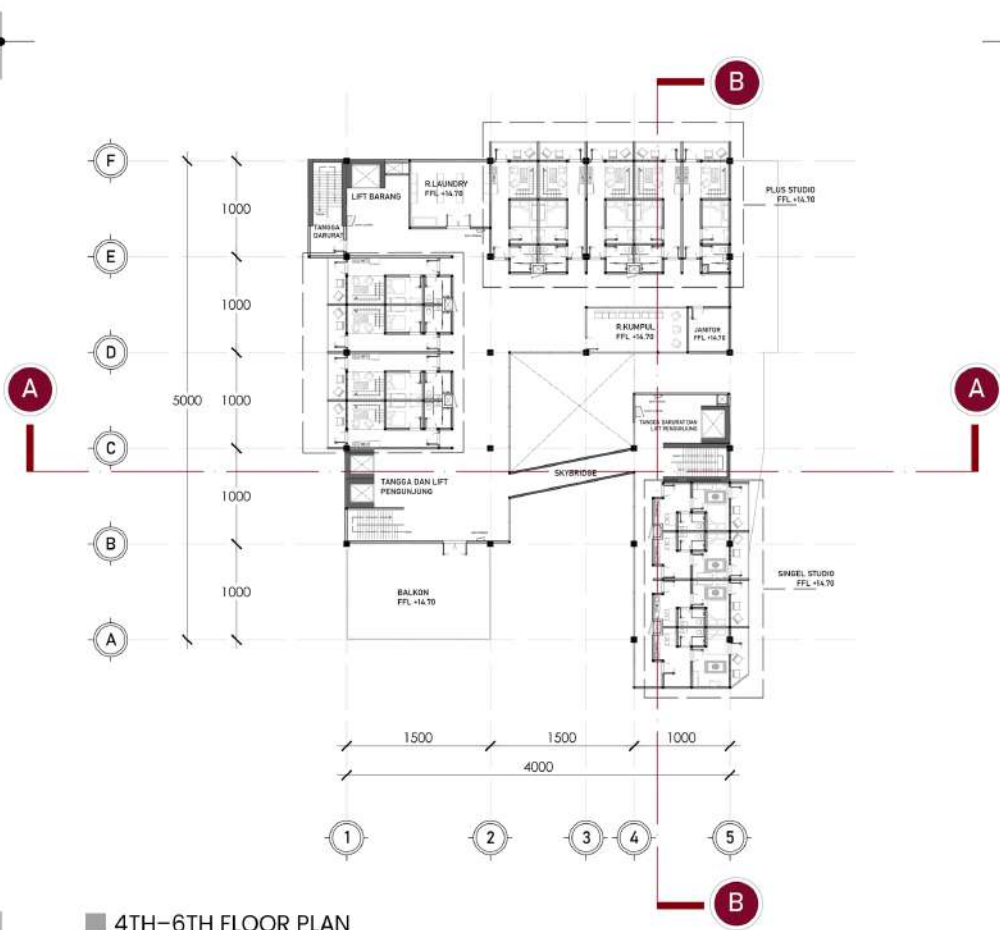


SECTIONS A-A

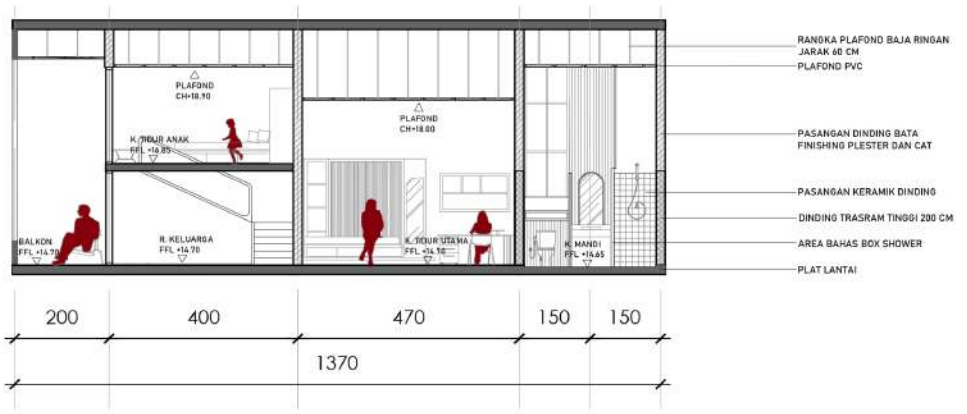


SECTIONS B-B

TECHNICAL DRAWING

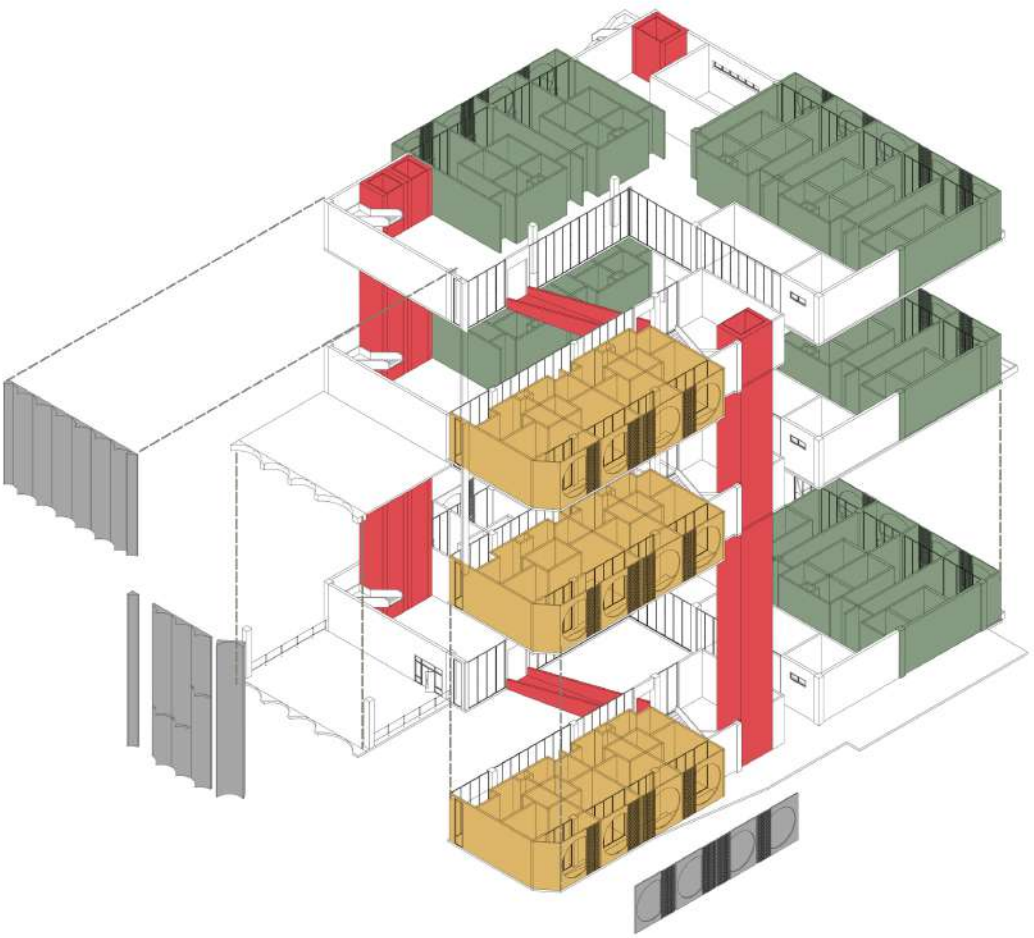


4TH-6TH FLOOR PLAN



DETAIL SECTION PLUS STUDIO

EXPLODED DIAGRAM



Legends

- Precast Concrete
- Circulation Route
- Single Studio
- Plus Studio

## PROJECT VIEWS



# .03

|              |                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAME PROJECT | SERUNI APIK                                                                                                                                                                                                                                                                                                                                                                          |
| PROJECT TYPE | Competition Project                                                                                                                                                                                                                                                                                                                                                                  |
| ROLE         | Team Project                                                                                                                                                                                                                                                                                                                                                                         |
| YEAR         | 2024                                                                                                                                                                                                                                                                                                                                                                                 |
| FLOOR AREA   | 2.016 m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                 |
| DESCRIPTION  | Seruni Apik Market in Kampung Melayu, Semarang, is designed as a sustainable public market that embraces green building principles. The project prioritizes energy efficiency, minimizes environmental impact, and incorporates locally sourced bamboo and timber as sustainable building materials, reinforcing both environmental responsibility and local architectural identity. |



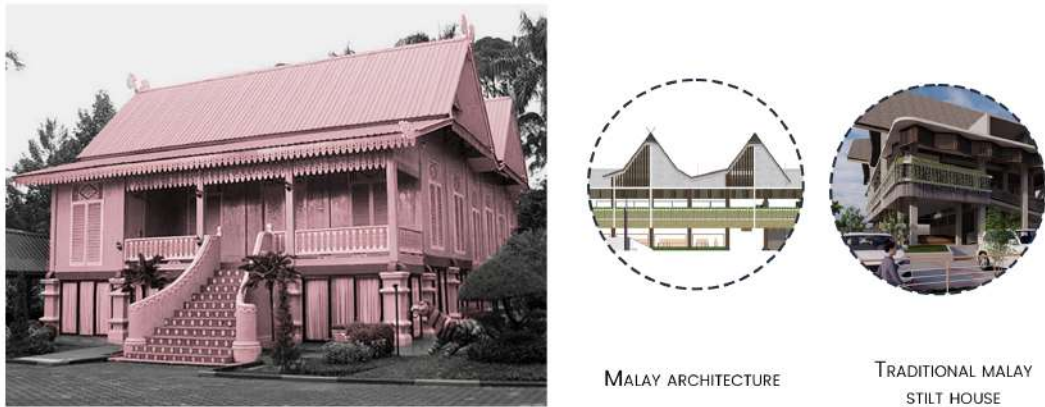
PROJECT BACKGROUND

Seruni Apik Market in Kampung Melayu, Semarang, is designed as a sustainable public market that promotes environmentally responsible urban development through the implementation of green building principles. The project integrates renewable energy by utilizing solar panels, incorporates a rainwater harvesting system, and employs locally sourced bamboo and timber as sustainable building materials to reduce its environmental footprint. In addition, the market is equipped with organic and inorganic waste management facilities to minimize landfill waste and encourage responsible resource management. Beyond serving as a commercial hub, the market functions as a community space that fosters environmental awareness and supports a more sustainable urban lifestyle.

PROJECT ISSUES



DESIGN APPROACH

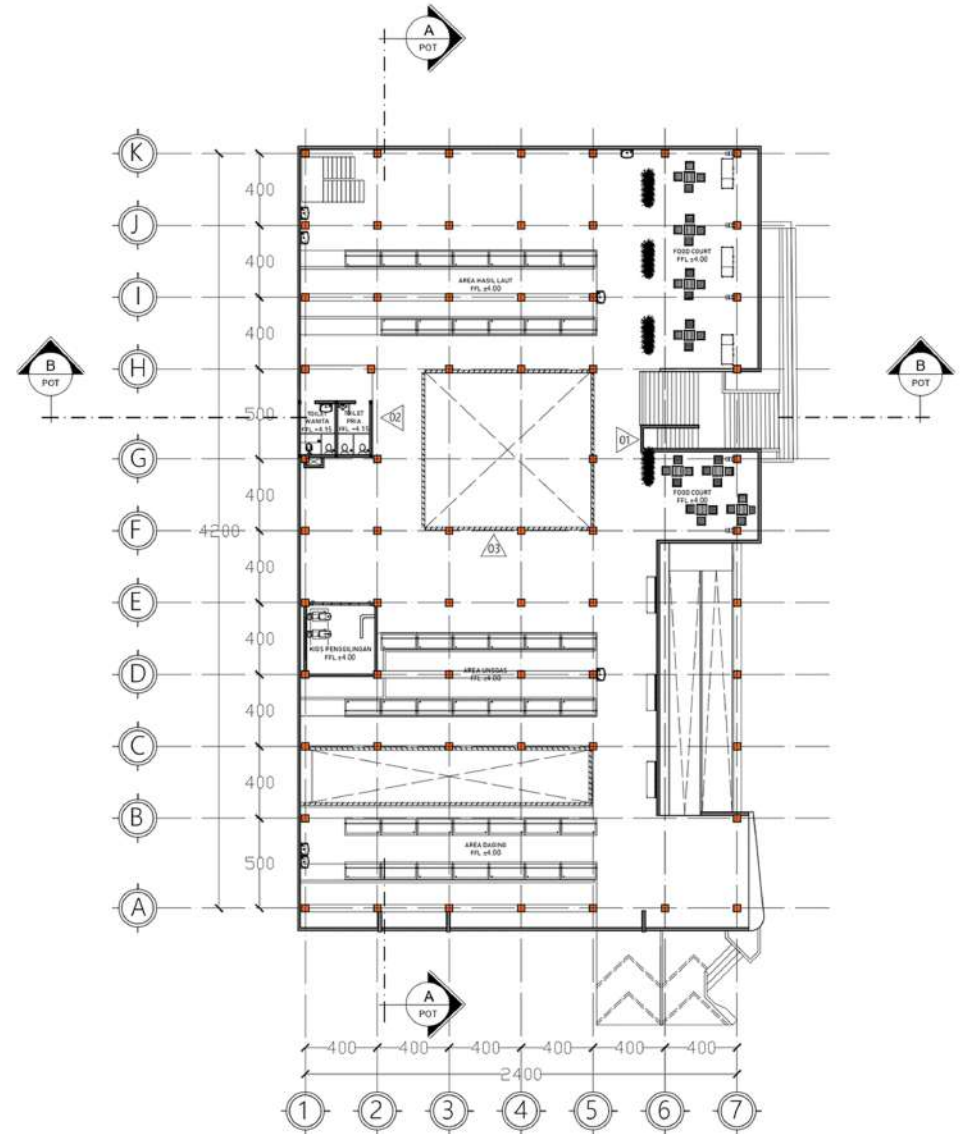
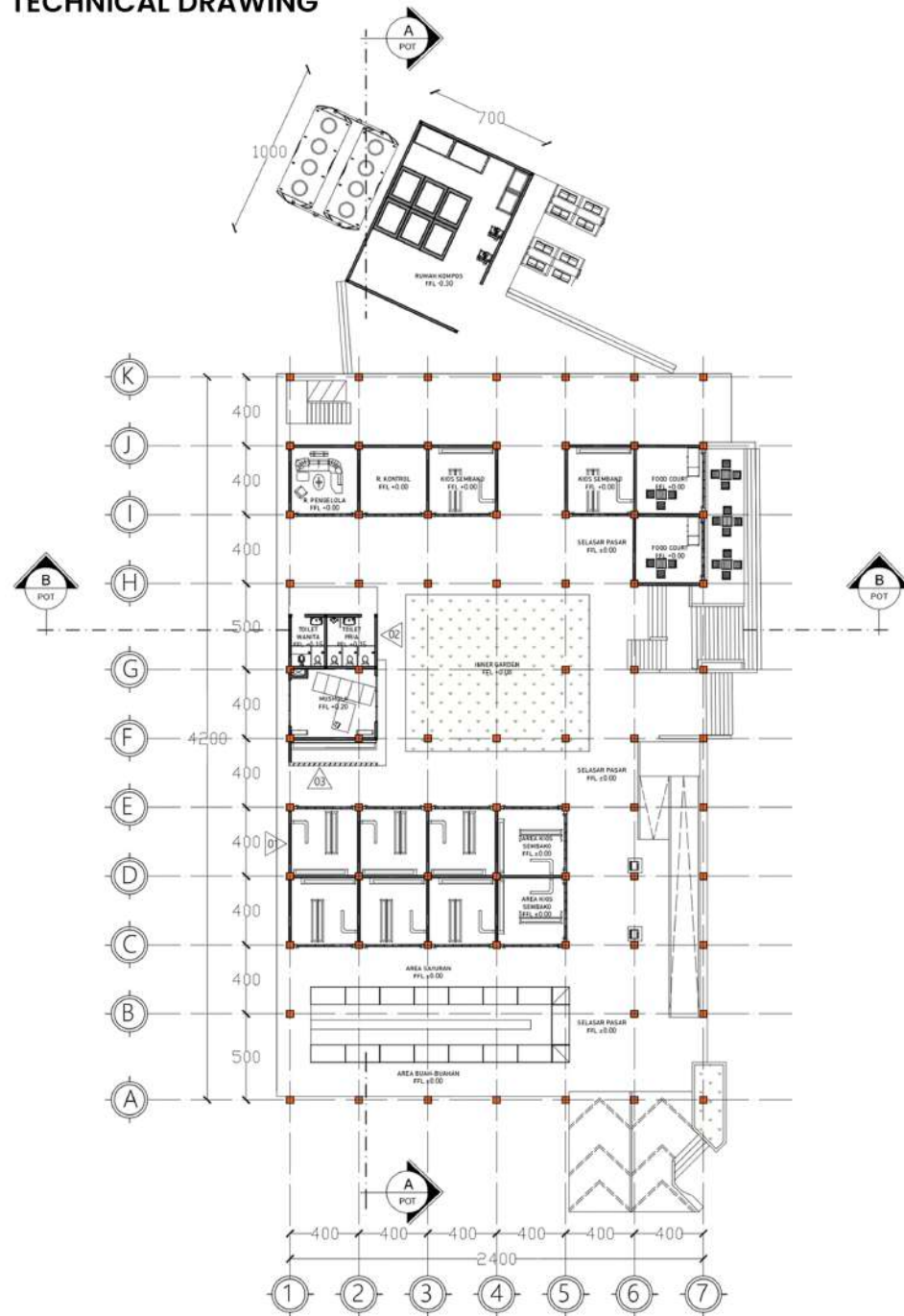


SITE KONTEKS



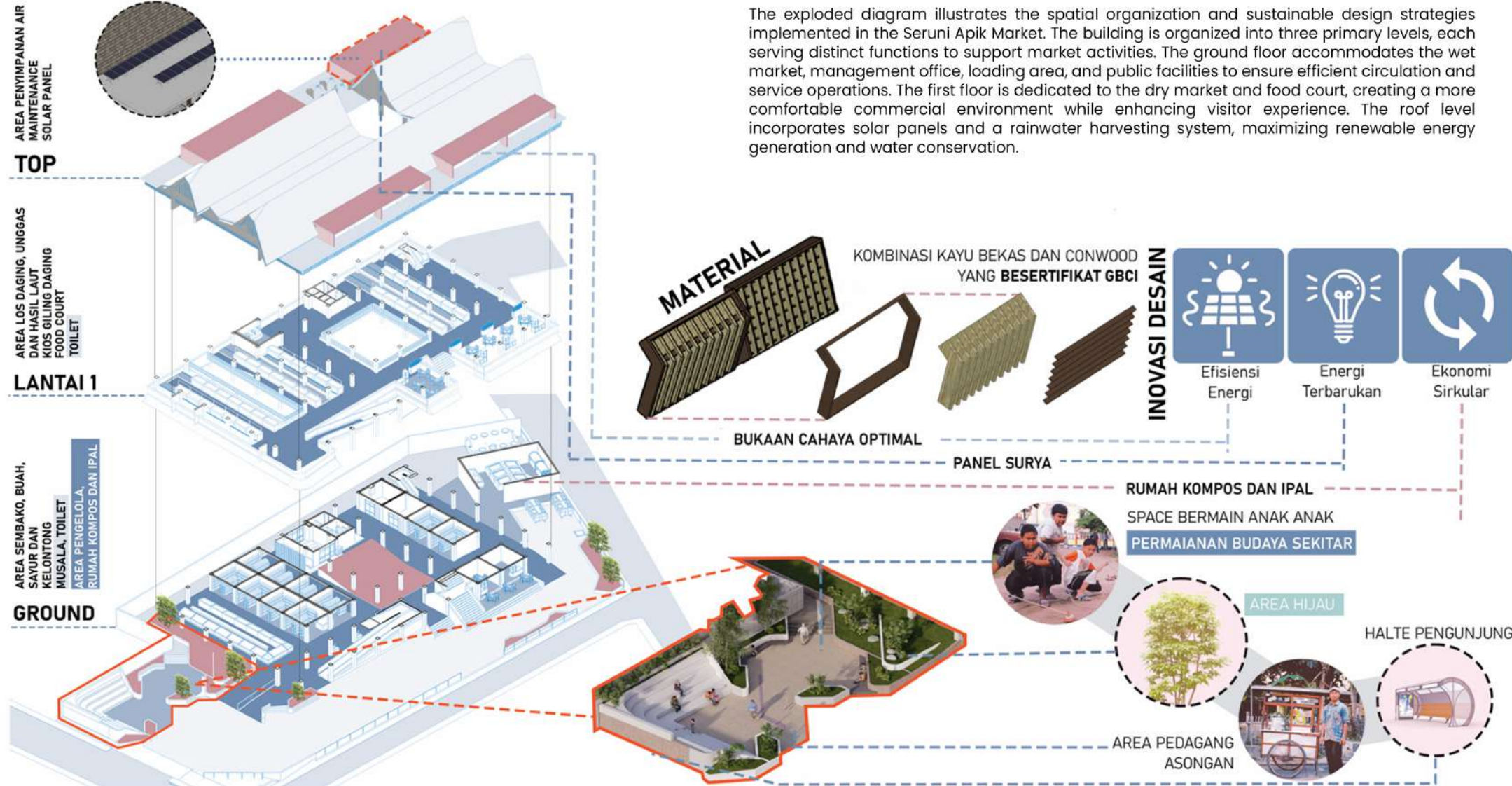
- Legends
- Site
  - River
  - Site Access

# TECHNICAL DRAWING





## EXPLODED DIAGRAM



PROJECT VIEWS



# .04

**NAME PROJECT**

SANGGAR TEDUH

**PROJECT TYPE**

Competition Project | Top 15

**ROLE**

Team Project

**YEAR**

2026

**FLOOR AREA**

576 m<sup>2</sup>

**DESKRIPTION**

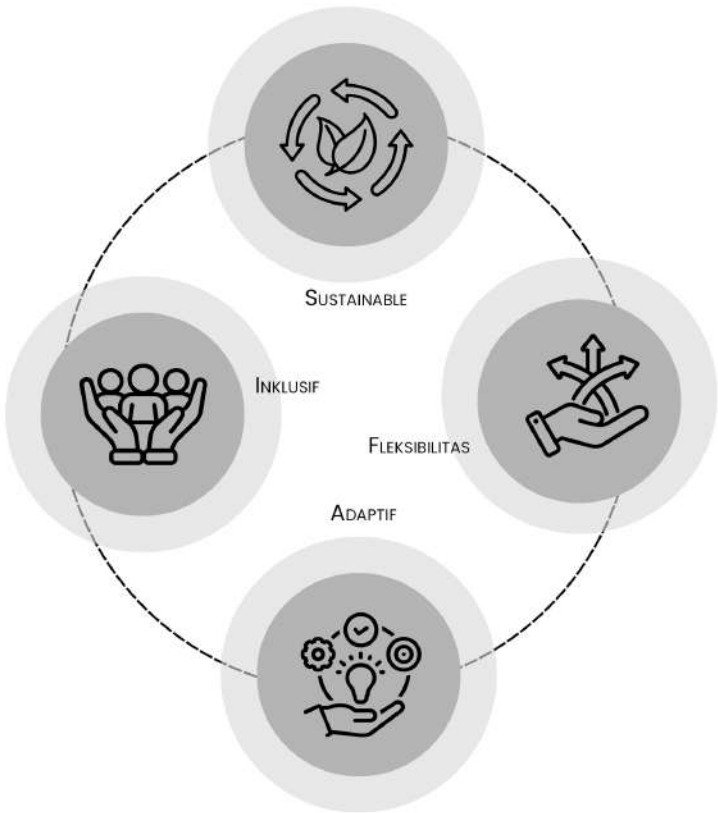
Originally functioning as a campus cafeteria, this project reimagines the existing building into a Co-Working Space that supports learning, working, and collaborative activities for the academic community of Universitas Merdeka Malang. Guided by the theme "Redefining A Space for Sustainable Tomorrow," the redesign adopts a modern tropical architectural approach that emphasizes sustainability, flexibility, natural lighting and ventilation, and seamless integration between indoor and outdoor spaces to create a productive and environmentally responsive workspace.



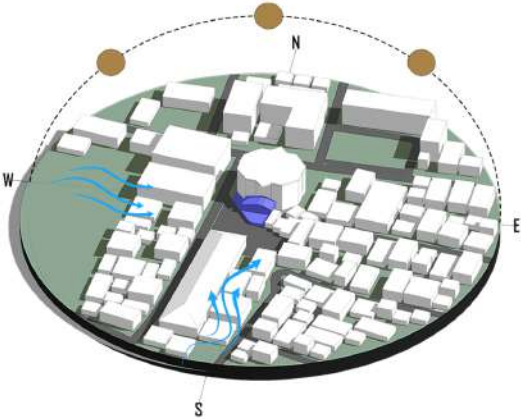
PROJECT BACKGROUND

The project was initiated in response to the limited availability of flexible and comfortable public spaces that support learning, collaboration, and productivity within Universitas Merdeka Malang. An existing campus cafeteria was reimaged into a sustainable Co-Working Space, providing a modern environment that encourages academic interaction, creativity, and interdisciplinary collaboration while reflecting the university's commitment to a more sustainable future.

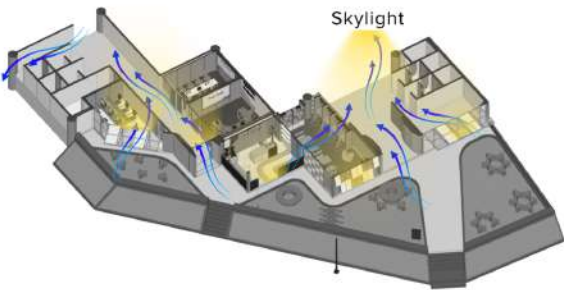
DESIGN APPROACH



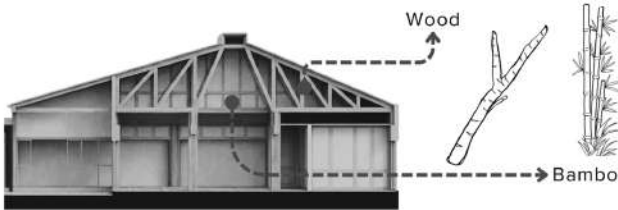
SUSTAINABLE STRATEGY



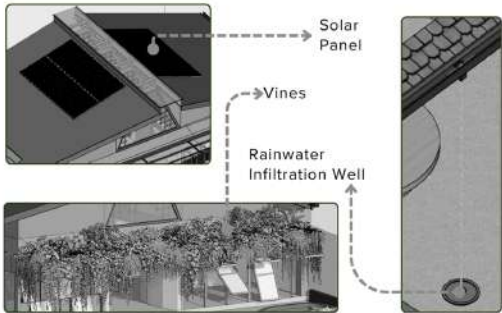
Optimizing thermal comfort through cross ventilation, natural lighting, and shadowing to reduce solar radiation.



Energy efficiency through optimizing daylighting and cross ventilation as passive design strategies.



Local and recycled materials are applied to support construction efficiency and sustainability.

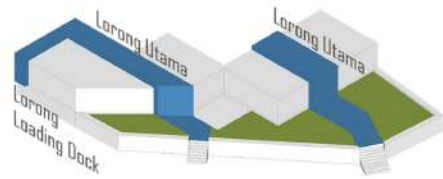


Implementation of solar panels, infiltration wells, and green facades as building sustainability strategies.

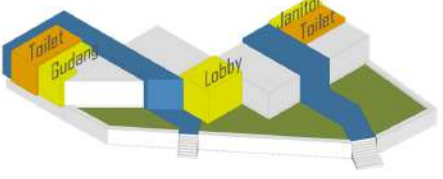
## FORM TRANSFORMATION



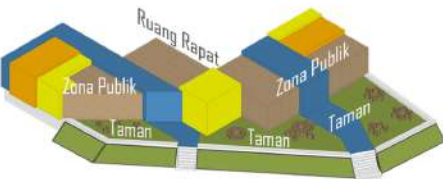
Green areas and existing buildings are optimized for coworking space design.



Two linear accesses to the faculty corridors serve as the main circulation axes.



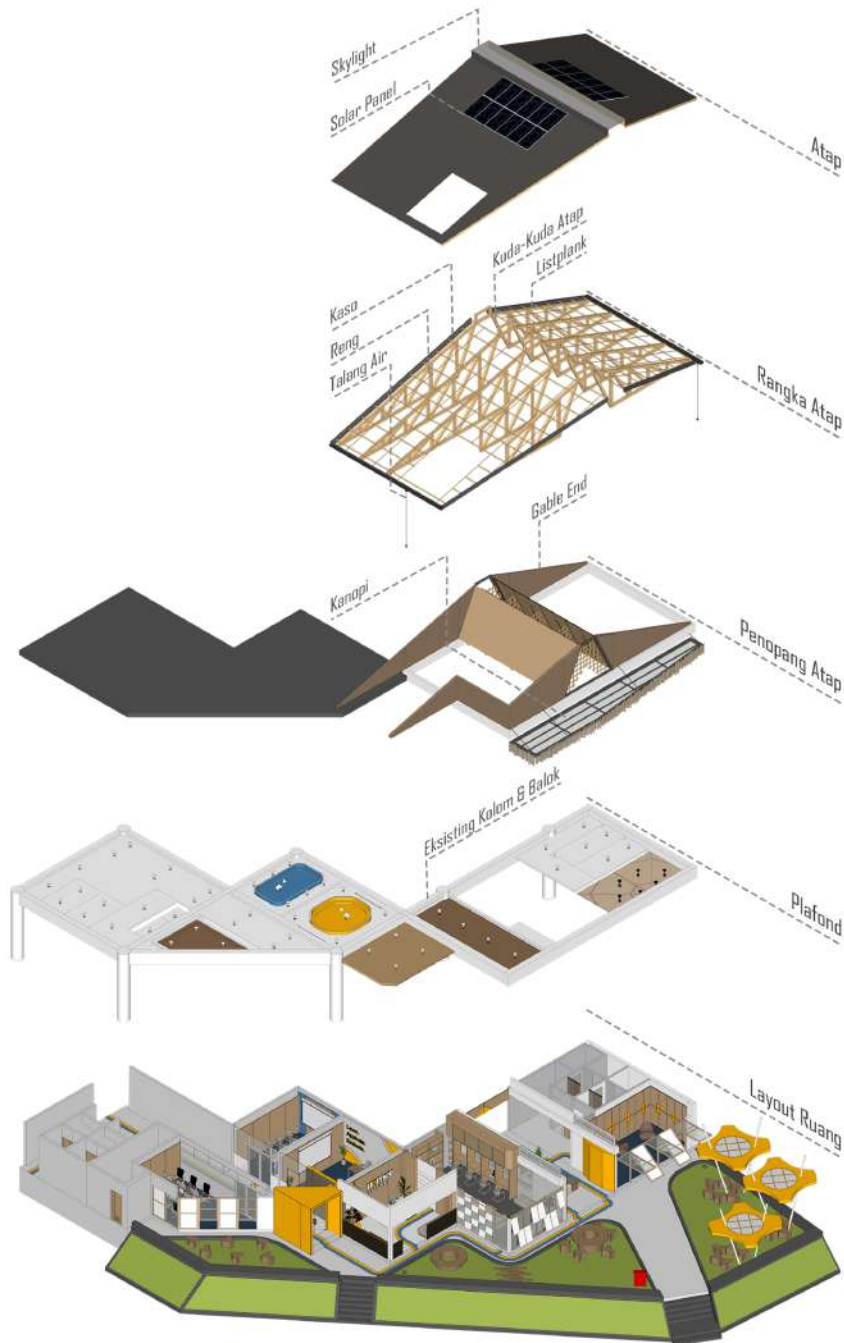
Toilets are distributed on both sides of the main circulation, with the lobby as the center of the public zone.



The front public zone is integrated with the garden, and the zone in the middle is for meeting rooms.

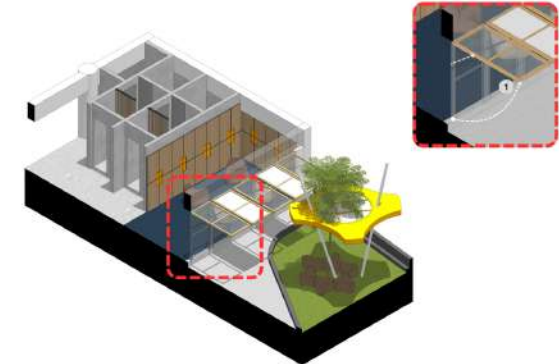


## EXPLODED DIAGRAM

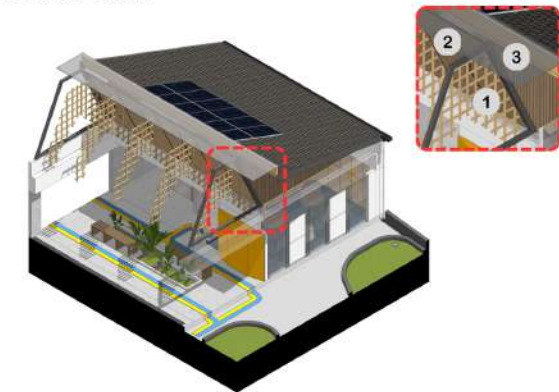


## ARCHITECTURAL DETAILS

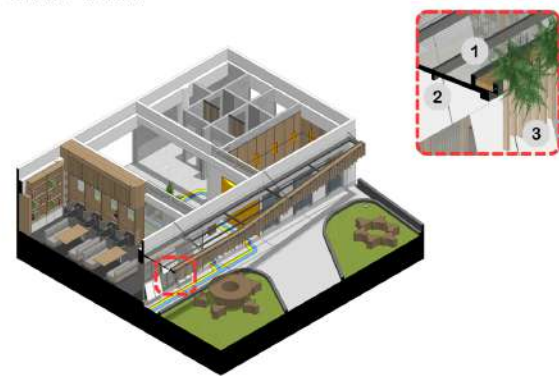
### WINDOW DESIGN



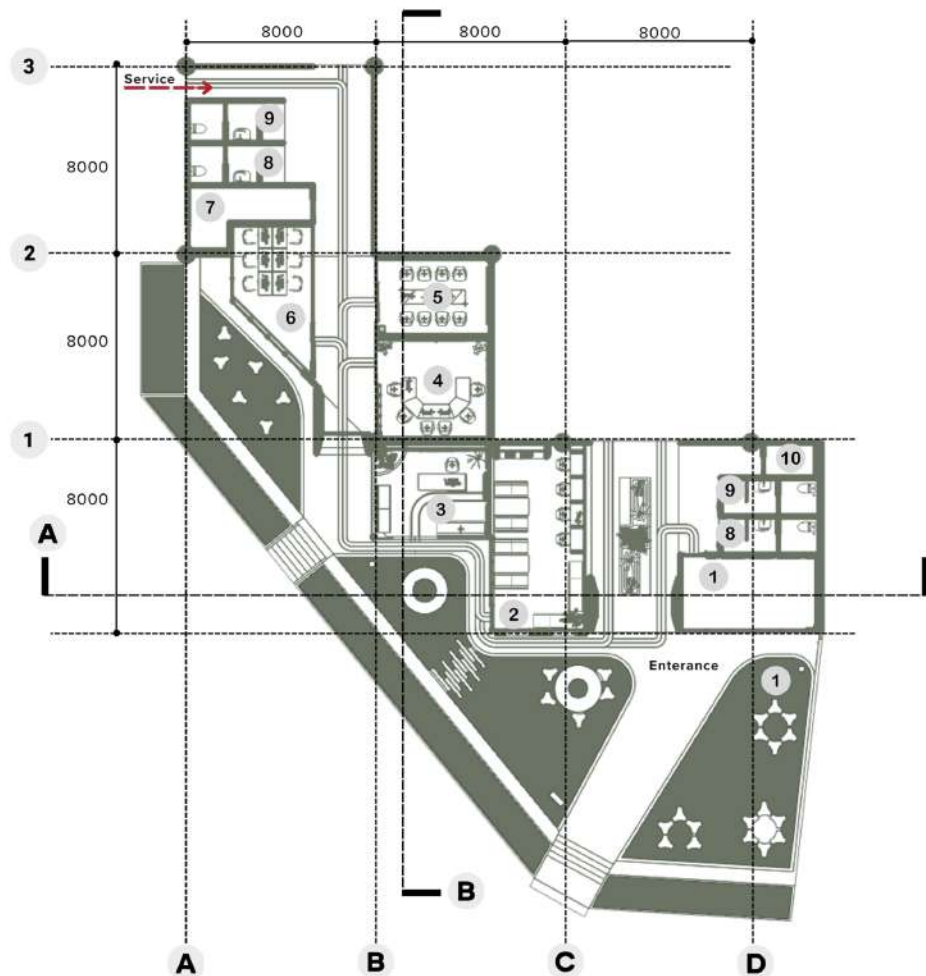
### LOUVERED CEILING



### CANOPY DESIGN

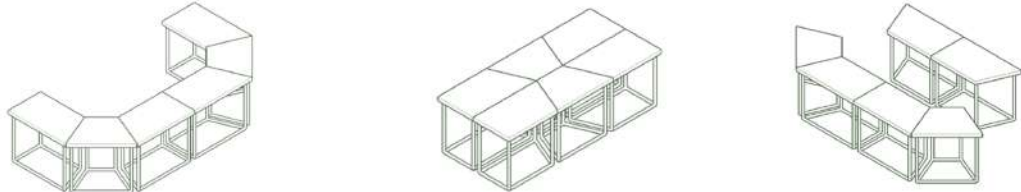
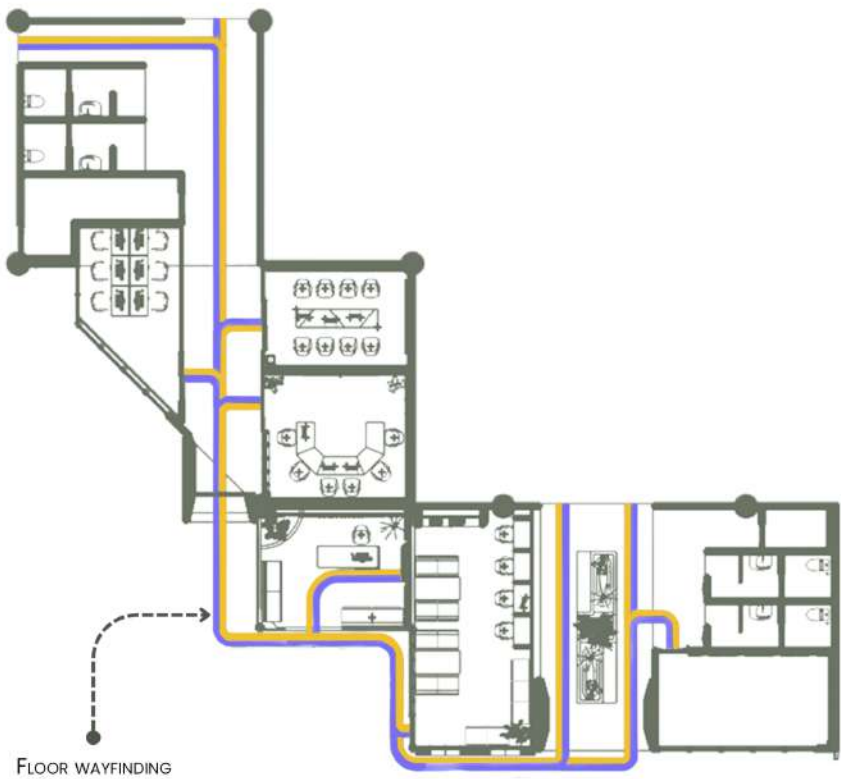


ARCHITECTURAL DRAWING



Legends

- 1. Communal Space
- 2. Reading & Workspace
- 3. Reception & Lobby
- 4. Informal Meeting Room
- 5. Formal Meeting Room
- 6. Computer Workspace
- 7. Storage Room
- 8. Male Restroom
- 9. Female Restroom
- 10. Janitor Room



To support the aspects of flexibility and inclusivity, the interior is designed with customizable modular furniture and is equipped with floor paths as circulation guides.

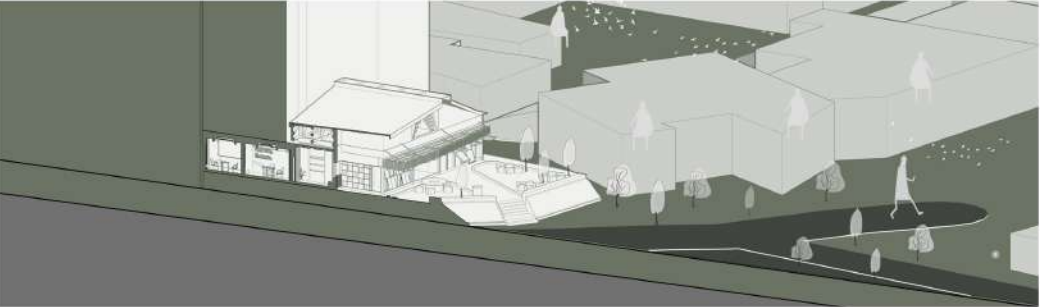
ARCHITECTURAL DRAWING



ARCHITECTURAL ELEVATION



ARCHITECTURAL SECTIONS



ARCHITECTURAL SITE SECTIONS



PROJECT VIEWS



# .05

**NAME PROJECT**

AL-MUTA'AH

**PROJECT TYPE**

Competition Project | 3rd place

**ROLE**

Team Project

**YEAR**

2024

**FLOOR AREA**

186,05 m<sup>2</sup>

**DESCRIPTION**

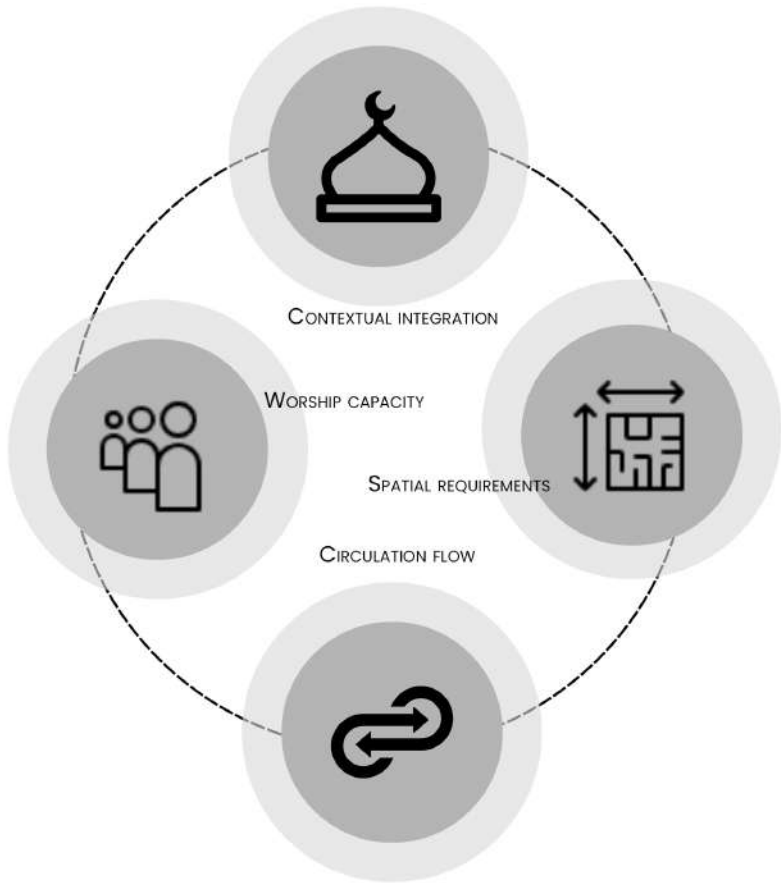
A one-story neighborhood mosque designed for Royal Rose Residences, Bekasi, with an architectural approach that harmonizes with the existing residential environment. The design emphasizes contextual integration, appropriate worship capacity for the community, and a contemporary architectural expression that complements the identity of the housing development while providing a comfortable and welcoming communal space.



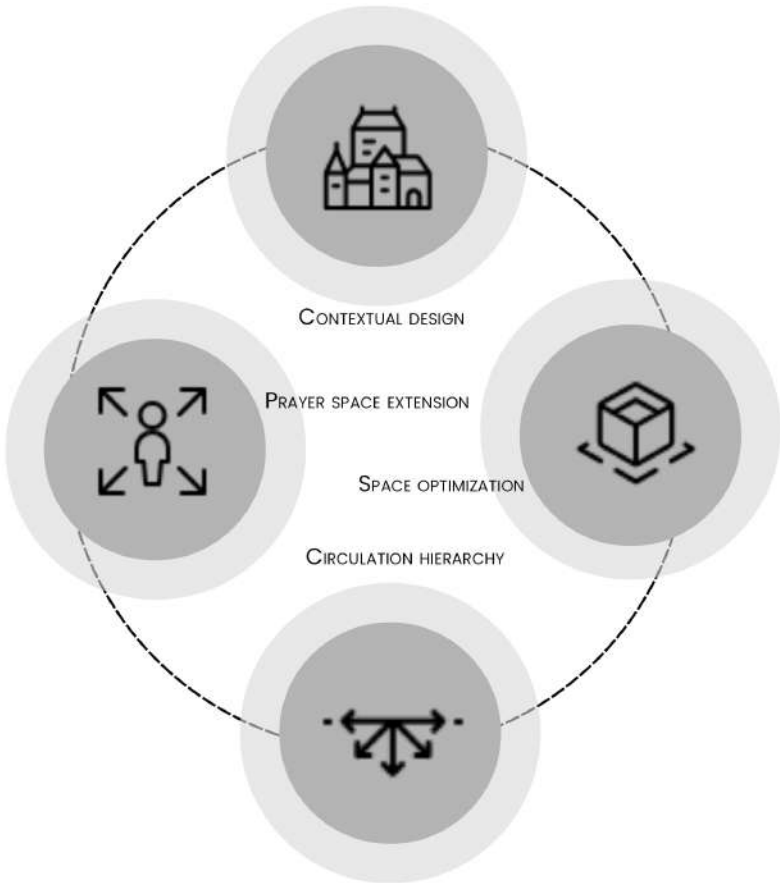
PROJECT BACKGROUND

Royal Rose Residences, a housing development consisting of 79 residential units in Bekasi, requires a neighborhood mosque that can accommodate the worship needs of its residents while strengthening the identity of the residential environment. Therefore, the mosque is designed not only as a place of worship, but also as a communal facility that harmonizes with the existing architectural character and creates an integrated, comfortable, and welcoming environment for the community.

PROJECT ISSUES



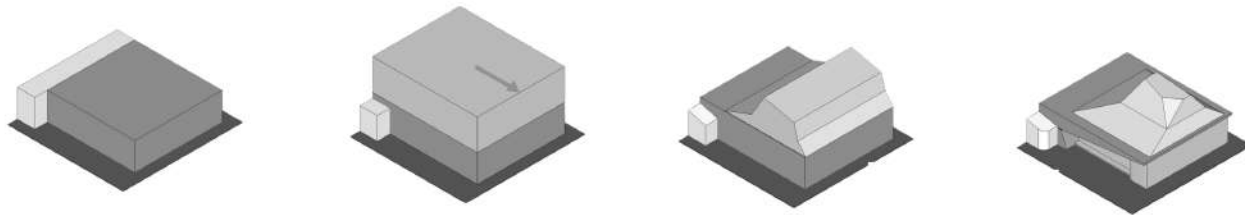
DESIGN APPROACH





**FORM TRANSFORMATION**

**DESIGN PHILOSOPHY**



The façade is designed through a contextual approach, reinterpreting the sloped architectural elements found in the residential mock-up to achieve visual harmony with the surrounding environment.



The roof geometry translates the spiritual gesture of sujūd into an architectural expression, emphasizing the mosque's orientation toward the qibla while reflecting the essence of Islamic worship.

## ■ FLOOR PLAN







# .06

## NAME PROJECT

MIRROR DECO

## PROJECT TYPE

Competition Project | Honorable Mention

## ROLE

Team Project

## YEAR

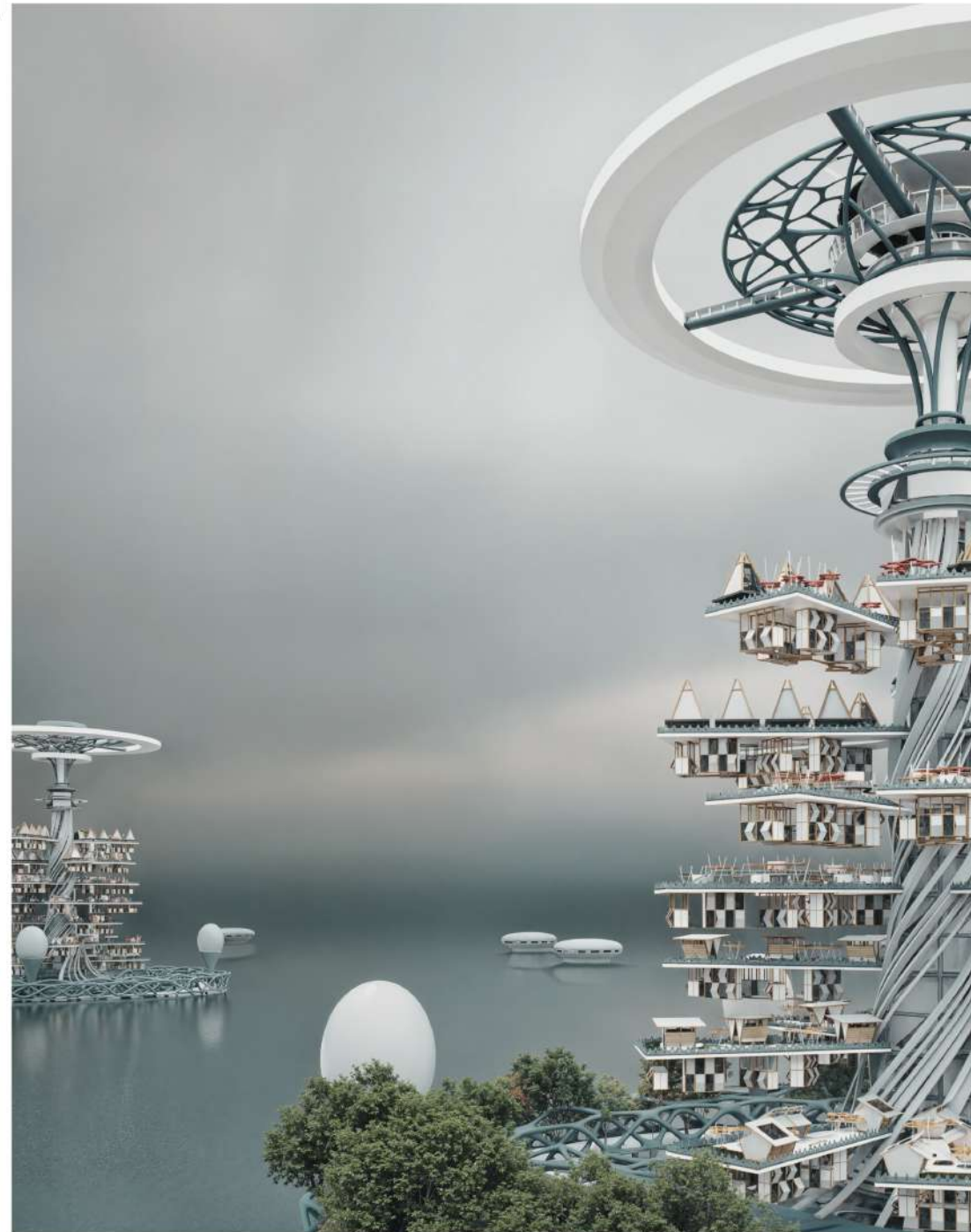
2026

## FLOOR AREA

-

## DESCRIPTION

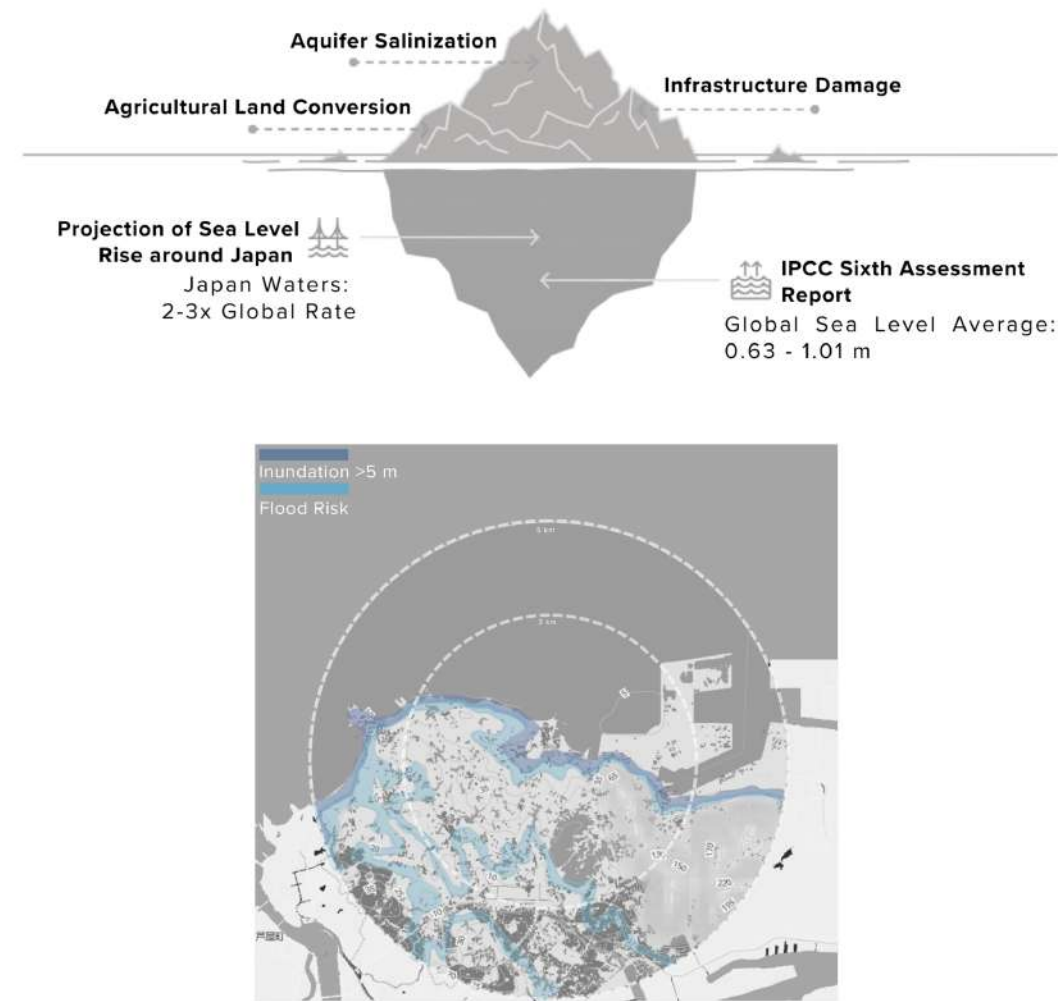
MIRROR is a visionary coastal city concept designed to adapt to rising sea levels through a three-layered architectural system that integrates floating settlements, underwater infrastructure, and ecological restoration. The project combines housing, food production, renewable energy, and environmental rehabilitation into a resilient and self-sustaining ecosystem, offering a sustainable vision for the future of coastal living.



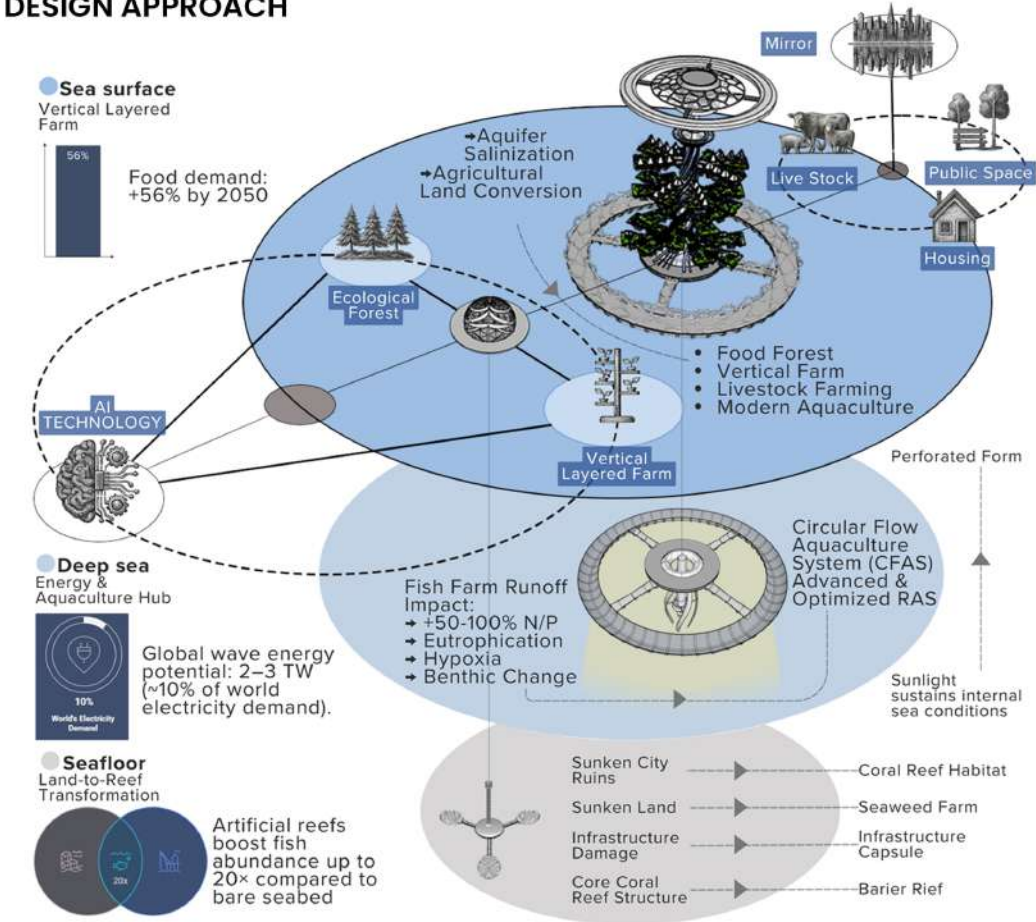
PROJECT BACKGROUND

Rising sea levels driven by climate change threaten coastal cities through flooding, saltwater intrusion, agricultural land loss, and infrastructure degradation. These challenges expose the limitations of conventional urban development and highlight the need for adaptive, resilient, and sustainable solutions for future coastal environments.

PROJECT ISSUES

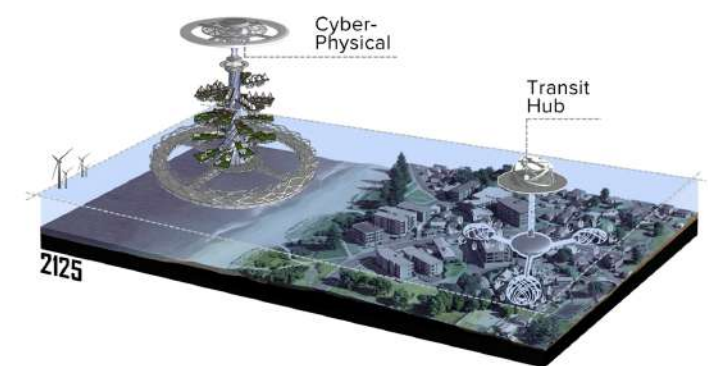
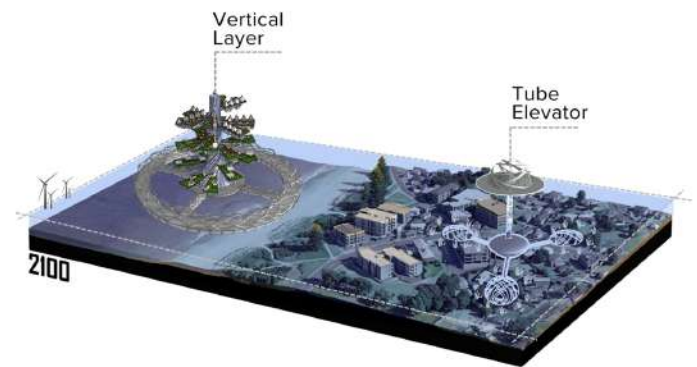


DESIGN APPROACH

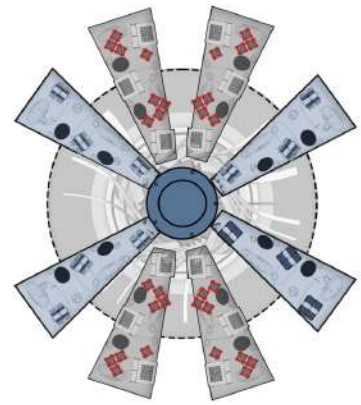


A one-meter rise in sea level can drive saltwater intrusion up to 50 km inland in flat coastal aquifers, and is projected to result in the loss of up to 12% of total agricultural land, forcing the repurposing of what remains

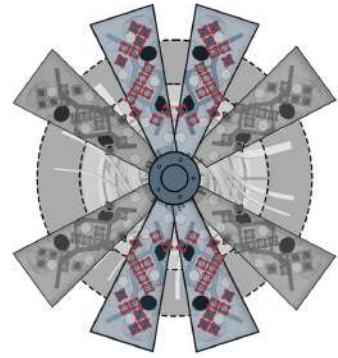
FORM TRANSFORMATION



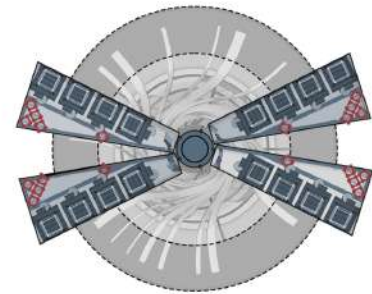
FLOOR PLAN



- LIVE STOCK
- VERTICAL FARM



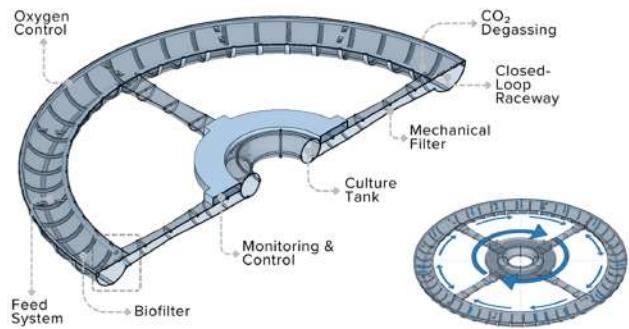
- PUBLICSPACE
- VERTICAL FARM



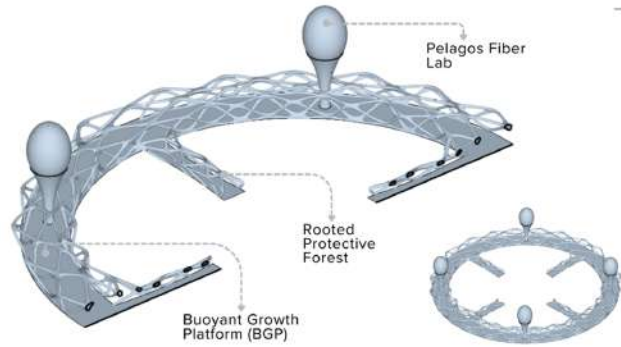
- HOUSING
- VERTICAL FARM



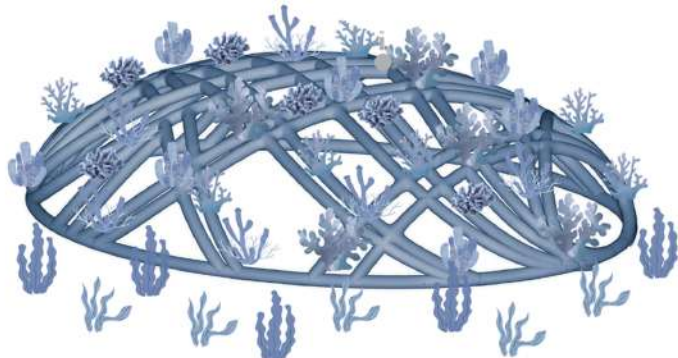
BUILDING SUPPORT SYSTEMS



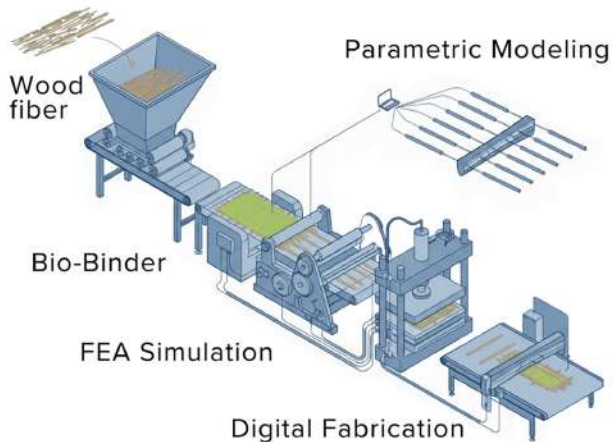
CIRCULAR FLOW AQUACULTURE SYSTEM



PRODUCTIVE FORESTS



BARRIER REEF



MASS TIMBER

EXPLODED DIAGRAM

Cyber-Physical

The IoT Command Center streams real-time sensor data to the Regional Data Center for AI-powered structural monitoring and operational Digital Twins



Core Buffer

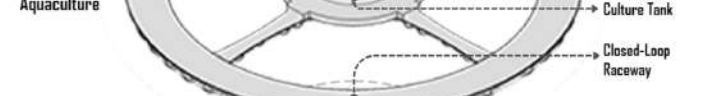


AuREUS converts UV light into electricity using luminescent particles from crop waste, with solar cells on the panel edges

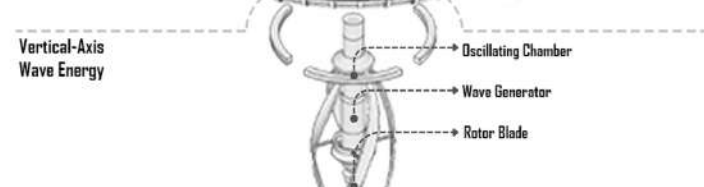
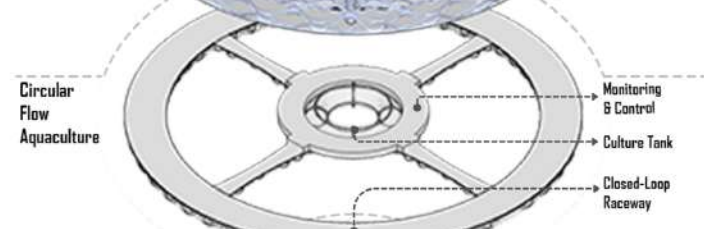
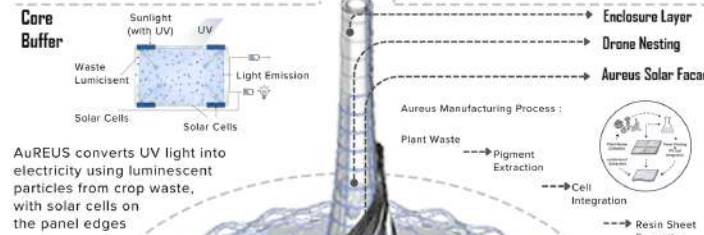
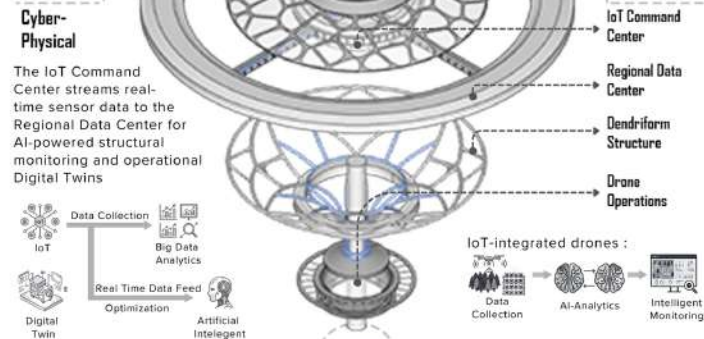
Productive Forests



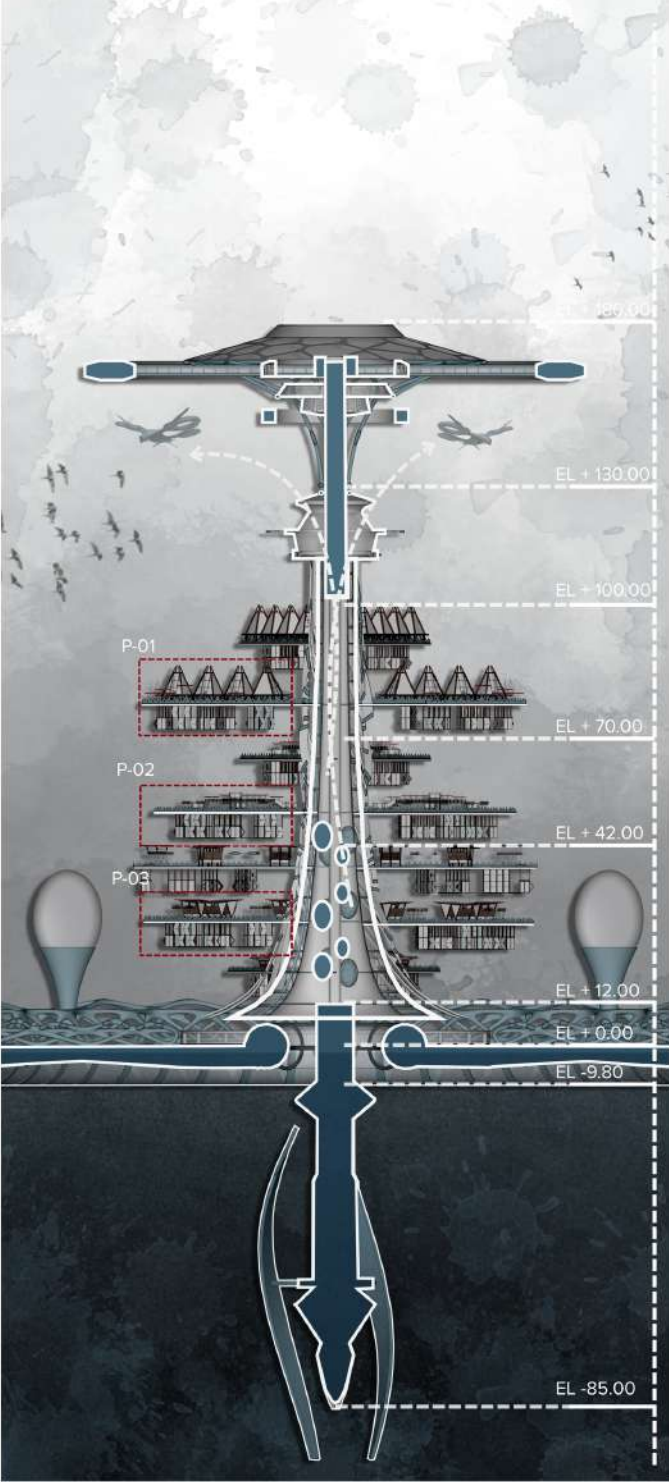
Circular Flow Aquaculture



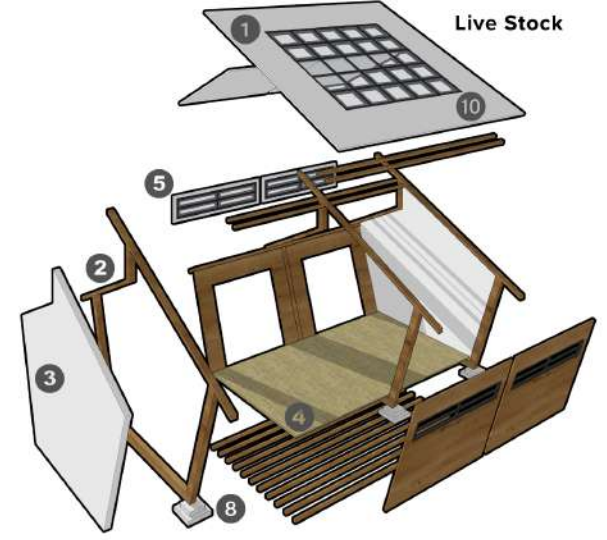
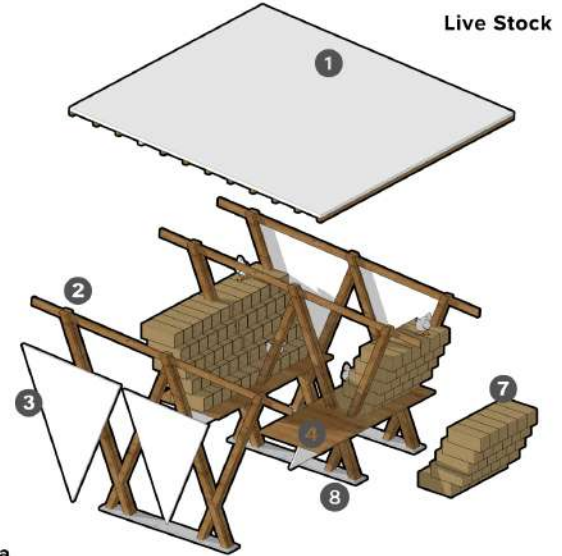
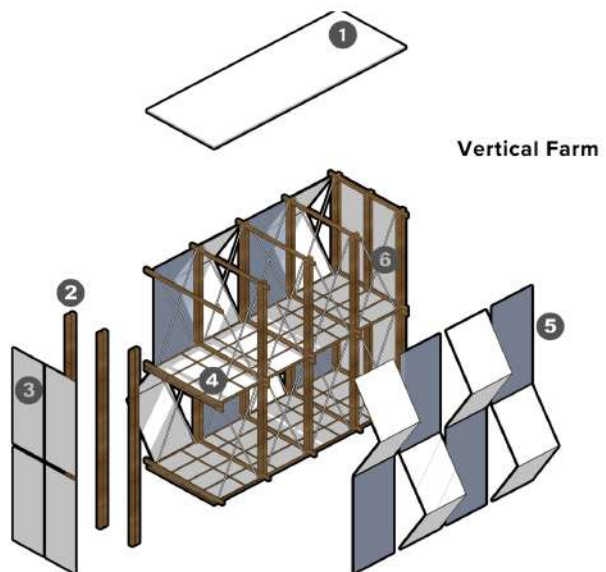
Vertical-Axis Wave Energy



ARCHITECTURAL SECTIONS



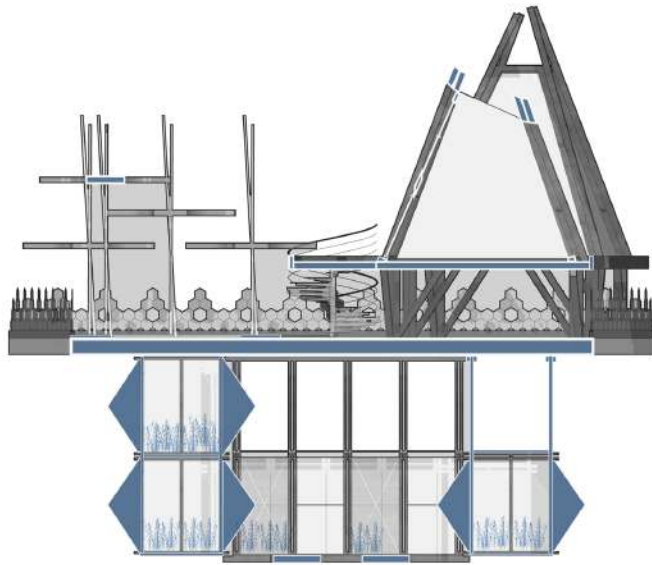
EXPLODED DIAGRAM



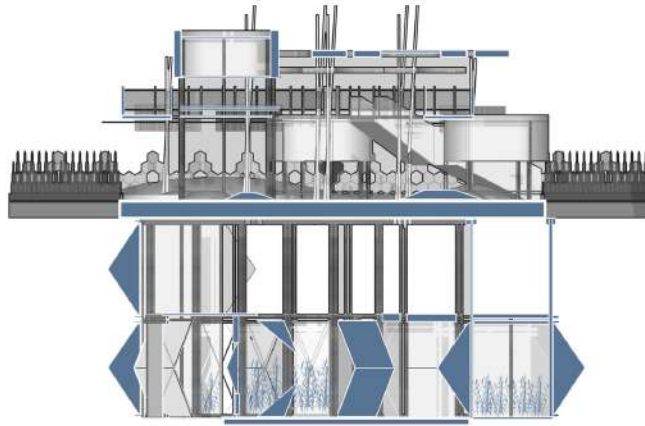
Legenda

- |              |                 |                     |                   |                    |
|--------------|-----------------|---------------------|-------------------|--------------------|
| 1 ROOF       | 3 WALL PANEL    | 5 WINDOW            | 7 NEST            | 9 SPIRAL STAIRCASE |
| 2 WOOD FRAME | 4 DECK/PLATFORM | 6 BRACING STRUCTURE | 8 UNDER STRUCTURE | 10 SKYLIGHT        |

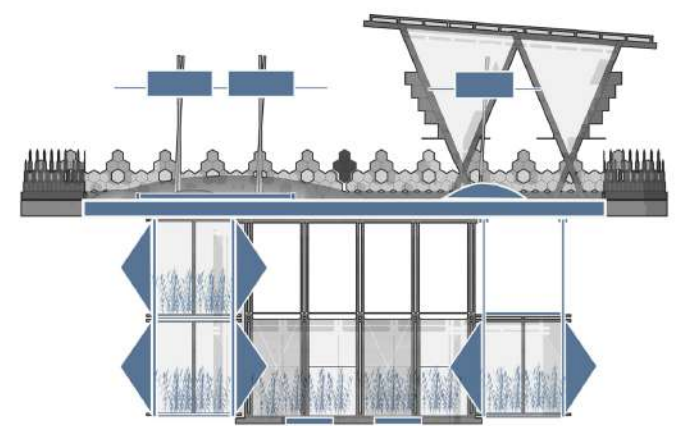
PRINCIPAL SECTION - 01



PRINCIPAL SECTION - 02



PRINCIPAL SECTION - 03



The Mirror concept effectively addresses two critical issues: limited land availability and environmental degradation caused by conventional horizontal development. Instead of expanding outward, the concept optimizes vertical space, aligning with principles of sustainability, spatial efficiency, and future-oriented architecture.

Unlike single-layer or conventional horizontal zoning approaches, the Mirror concept establishes a direct functional relationship between the upper and lower layers. The lower layer is not treated as residual or secondary space, but as an active system that supports life above.



  
**THANK**  
  
**YOU.**



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