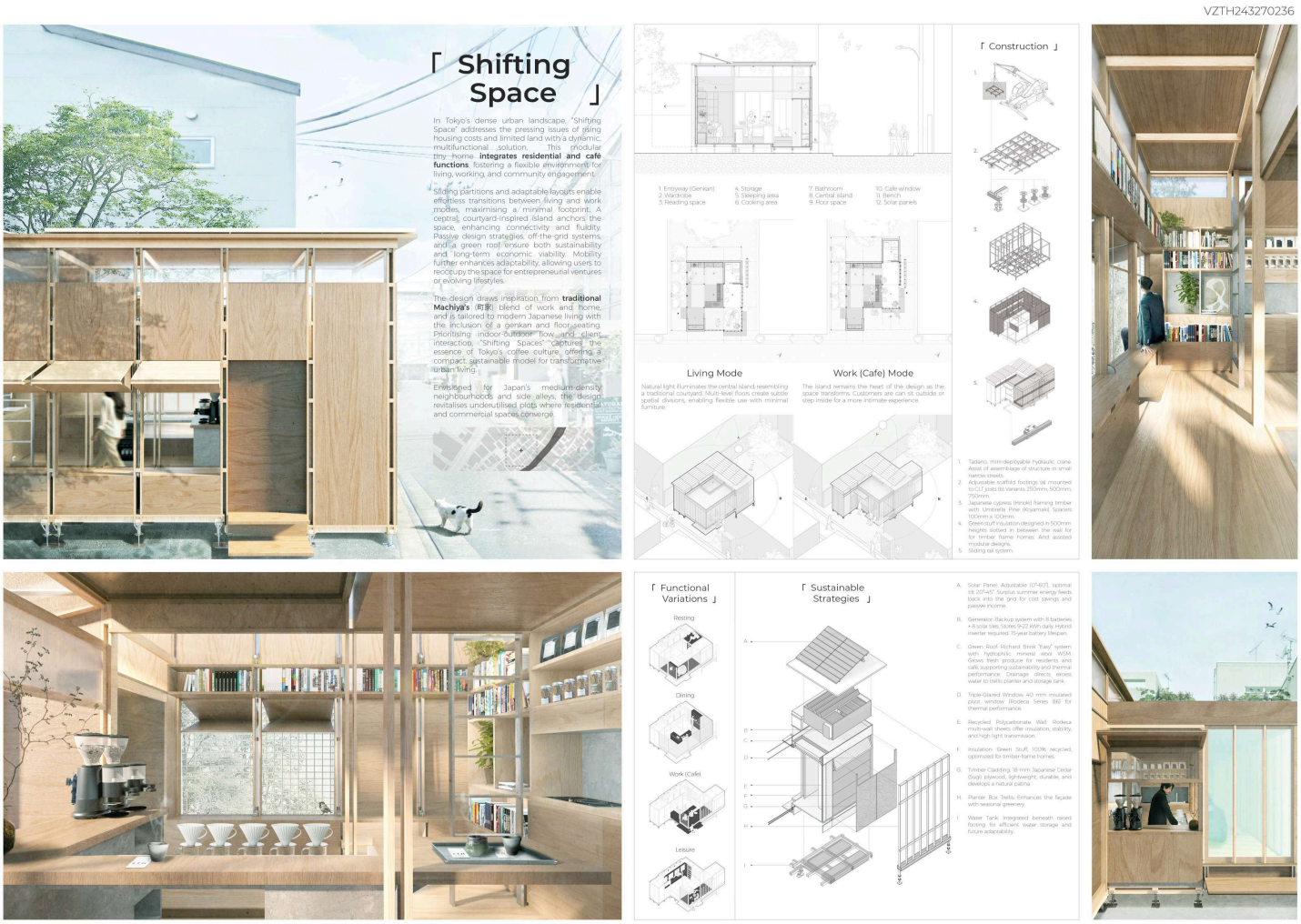
Archetype



Winners Announced For “The Tiny House 2024 Architecture Competition”

Archetype team - 15/04/2025

The Tiny House competition looked to celebrate individuality and sustainability through innovative designs redefining resourceful living. Through this platform, we explored the various avenues of mobile living spaces and theunbridled freedom they would offer.

In this architecture design competition, participants were tasked with designing a comfortable off-the-grid living accommodation for two people under 300 sq. ft. that not only caters to their present-day needs but also anticipates and fulfills needs from the unseen future. Participants from over 46 countries came up with their creative and sustainable design solutions to cater to this spatially challenging Architectural problem. Volume

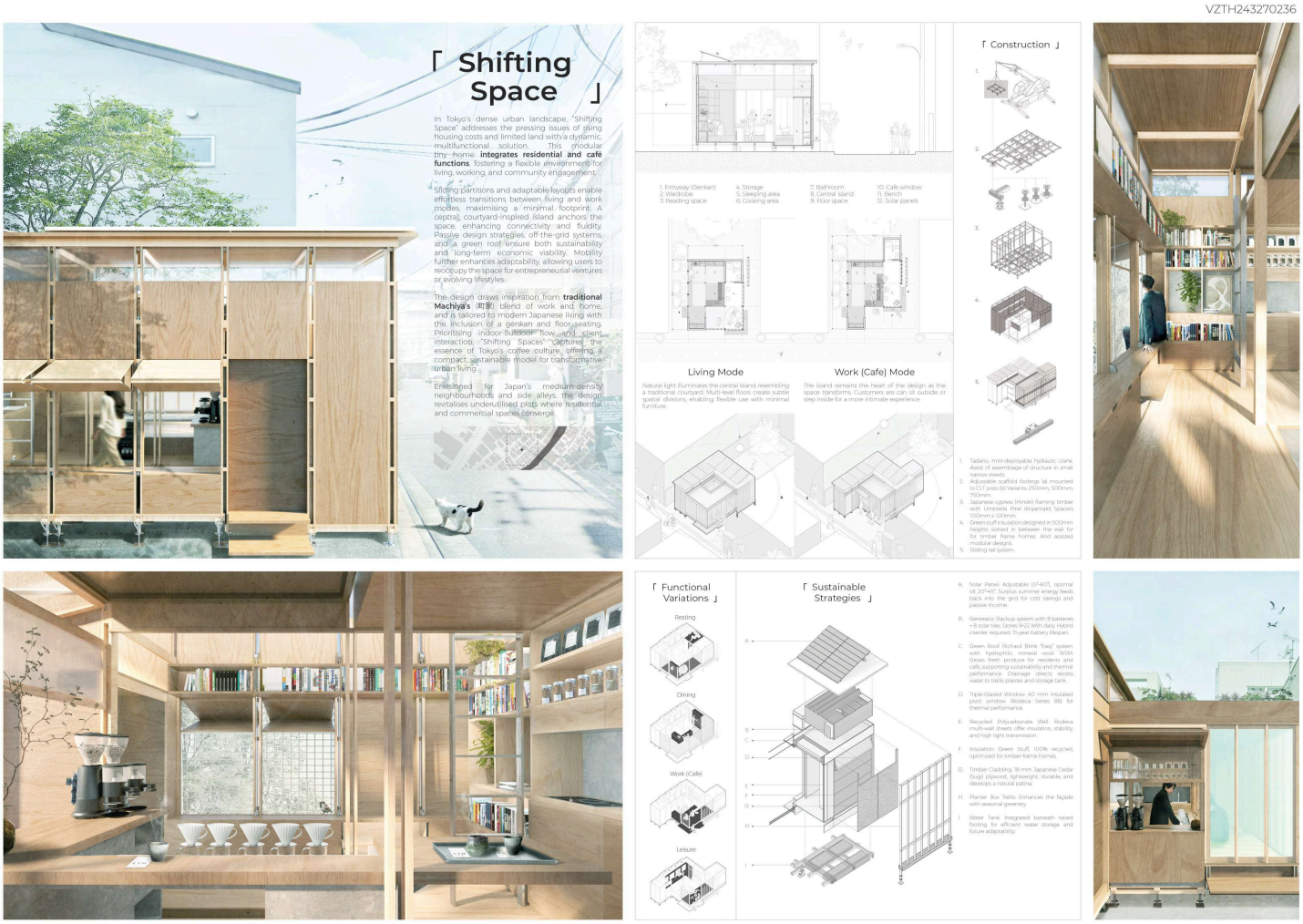
Zero Competition thanks all the competitors for participating in this competition and for contributing to this competition's research.

The esteemed jury for judging this competition consisted of **Carlos Patrón** (Taco taller de), **Dinesh Suthar** (Design Work Group), **Fran Silvestre** (Fran Silvestre Arquitectos), **NguyenDang Anh Dung** (AD + studio), **Rayne Fouché** (FouchéArchitects), **Realrich Sjarief** (RAW), **Rohit Mankar** (Architecture Brio), **Ülar Mark** (Kodasema), **Di Zhan** (F.O.G. Architecture), **Anagha Patil & Sanjay Patil** (Environ Planners), **Fati Fakhr** (ZAV Architects), **Jon Gentry** (GO'C).

The top three winners and Best Student were awarded total prize money of $4,500 while ten entries received Honorable Mentions. Here are the winning entries.

FIRST PLACE

Shifting Space - Harris Qaiser and Annie Cheng (New Zealand)

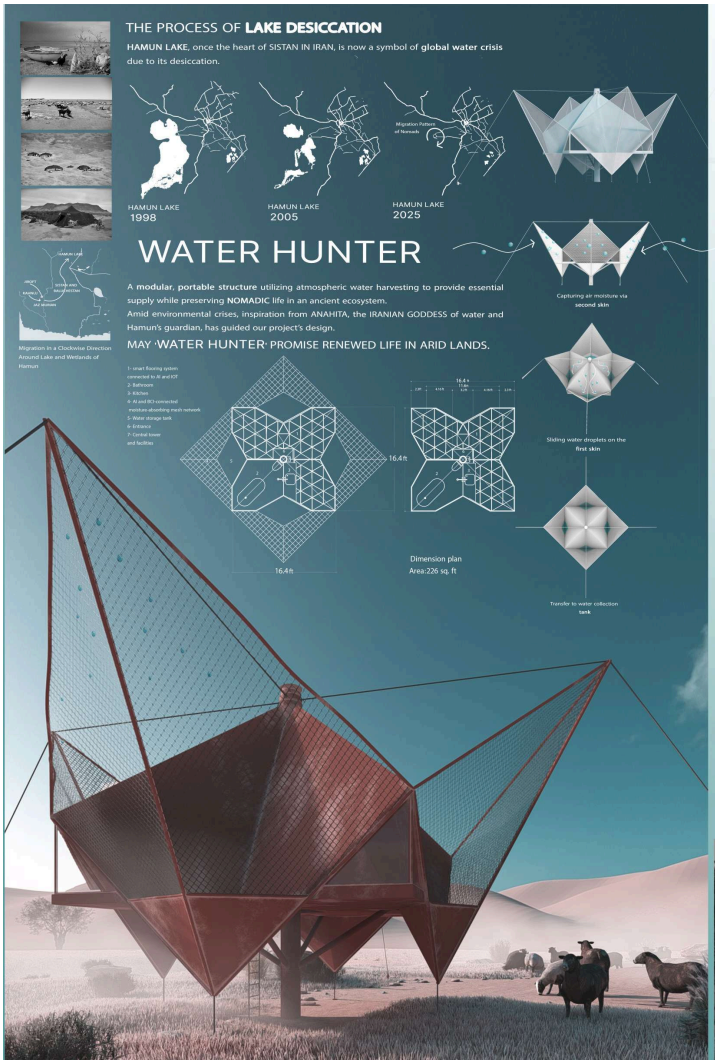


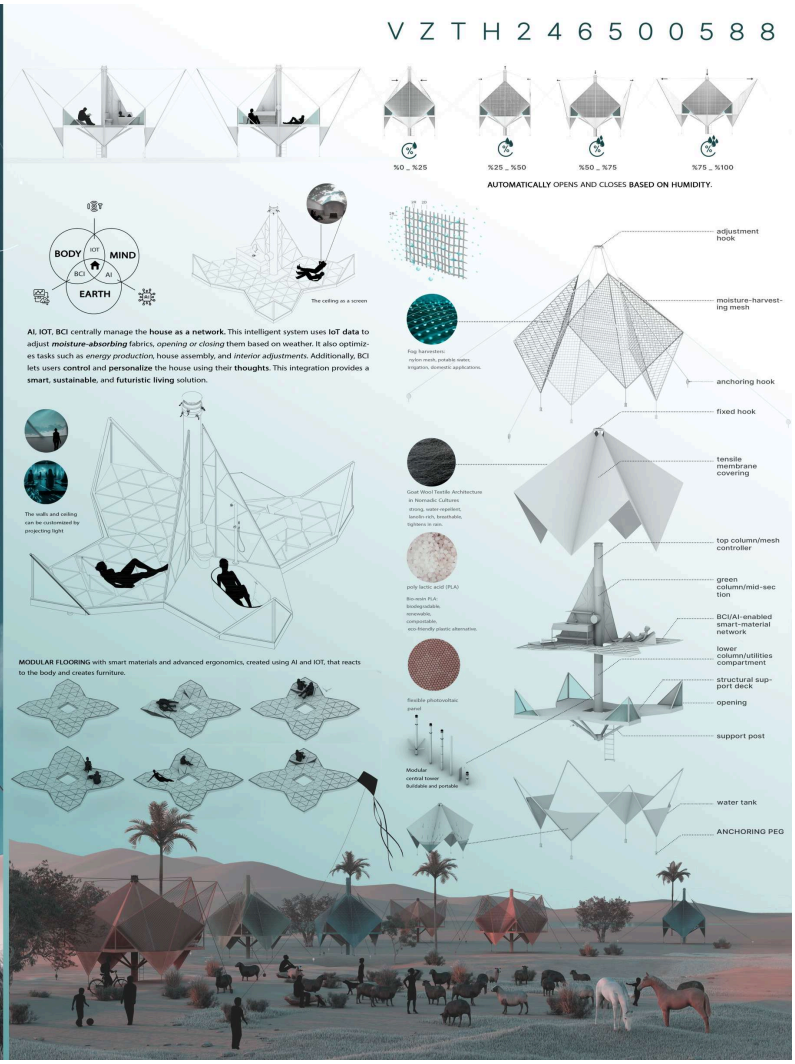
In Tokyo’s dense urban landscape, “Shifting Space” addresses the pressing issues of rising housing costs and limited land with a dynamic, multifunctional solution. This modular tiny home integrates residential and café functions, fostering a flexible environment for living, working, and community engagement.

Sliding partitions and adaptable layouts enable effortless transitions between living and work modes, maximizing a minimal footprint. A central, courtyard-inspired island anchors the space, enhancing connectivity and fluidity. Passive design strategies, off-the-grid systems, and a green roof ensure both sustainability and long-term economic viability. Mobility further enhances adaptability, allowing users to reoccupy the space for entrepreneurial ventures or evolving lifestyles.

SECOND PLACE

Water Hunter - Arash Madani, Elaheh Ashoori & Fatemeh Zarini (Iran)





A modular, portable structure utilizing atmospheric water harvesting to provide essential supply while preserving NOMADIC life in an ancient ecosystem. Amid environmental crises, inspiration from ANAHITA, the IRANIAN GODDESS of water and Hamun's guardian, has guided our project's design.

MAY'WATER HUNTER'PROMISE RENEWED LIFE IN ARID LANDS.

AI, IOT, BCI centrally manage the house as a network. This intelligent system uses IoT data to adjust moisture-absorbing fabrics, opening or closing them based on weather. It also optimizes tasks such as energy production, house assembly, and interior adjustments. Additionally, BCI lets users control and personalize the house using their thoughts. This integration provides a smart, sustainable, and futuristic living solution.

THIRD PLACE

Revolve - Stephen Centorrino & Owen Axisa (Malta)

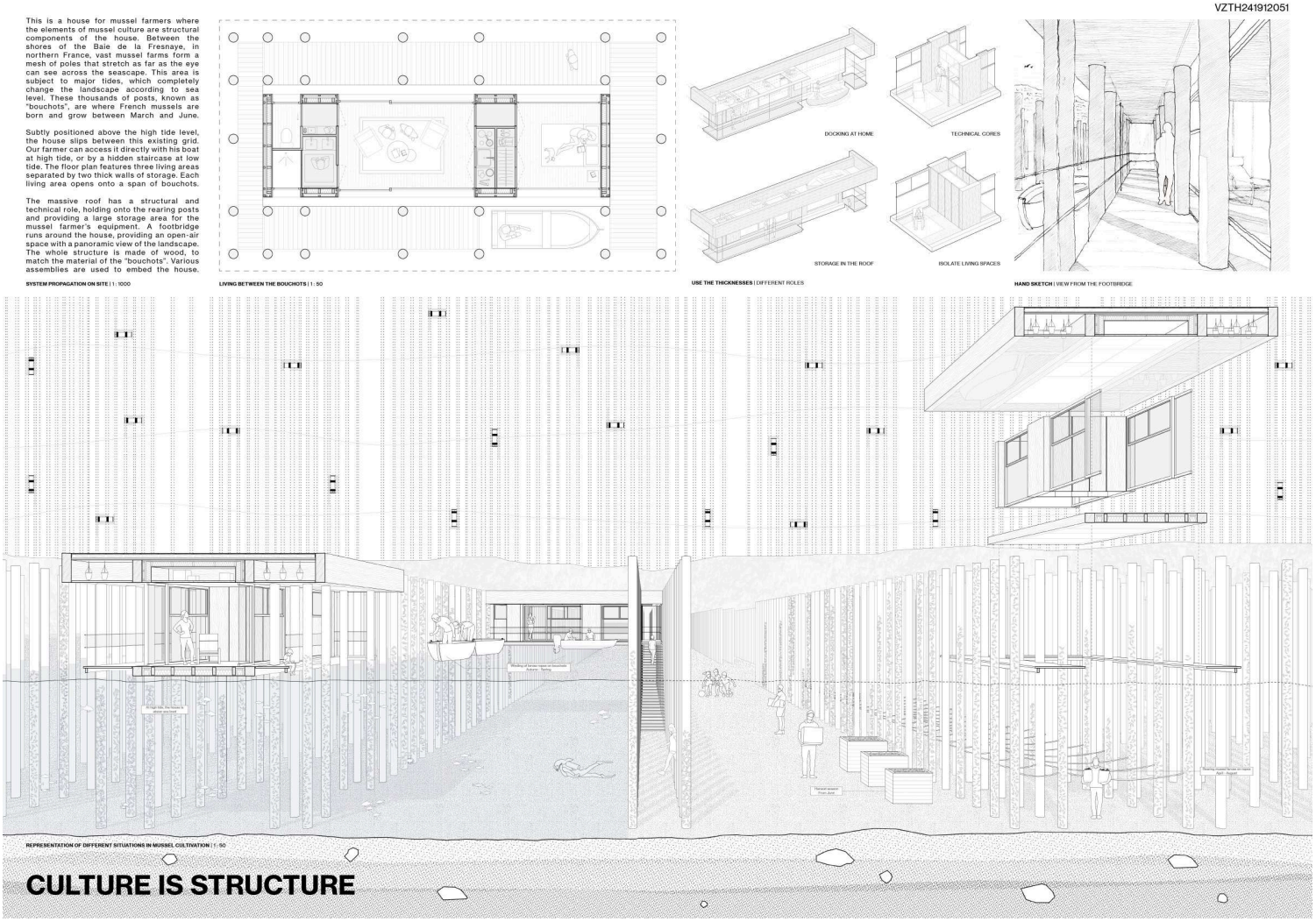
“In all my works, light is an important controlling factor” – Tadao Ando

Physiological & psychological human needs are deeply interconnected, evolving with age & adapting to the uncertainties of future climates. REVOLVE embraces these dynamics through its unique rotational capability, aligning with the natural circadian clock to create a personalised interaction between occupants & their environment. By dynamically adjusting sunlight exposure & thermal comfort, REVOLVE enhances will-being & fosters a healthier lifestyle.

Employing passive strategies, REVOLVE minimize environmental impact while maximizing comfort. It’s modular flexibility allows future owners to adapt the structure both vertically– by stacking modules-& horizontally, catering to their unique physiological, psychological, & contextual requirements.

STUDENT AWARD

CULTURE IS STRUCTURE - Arthur Legrain (France)

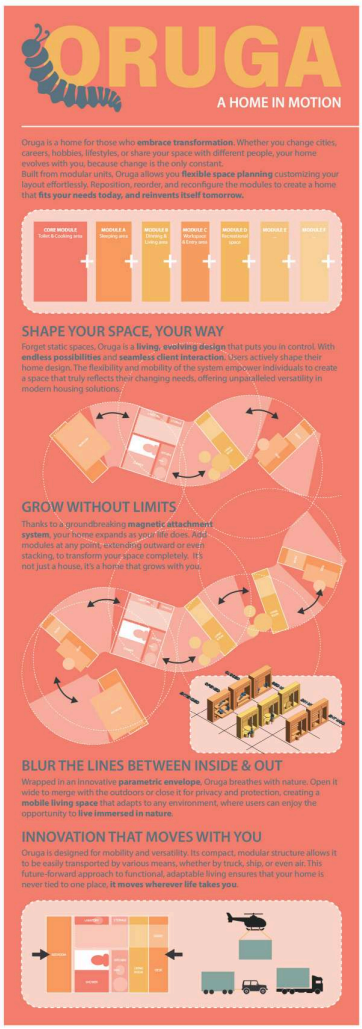


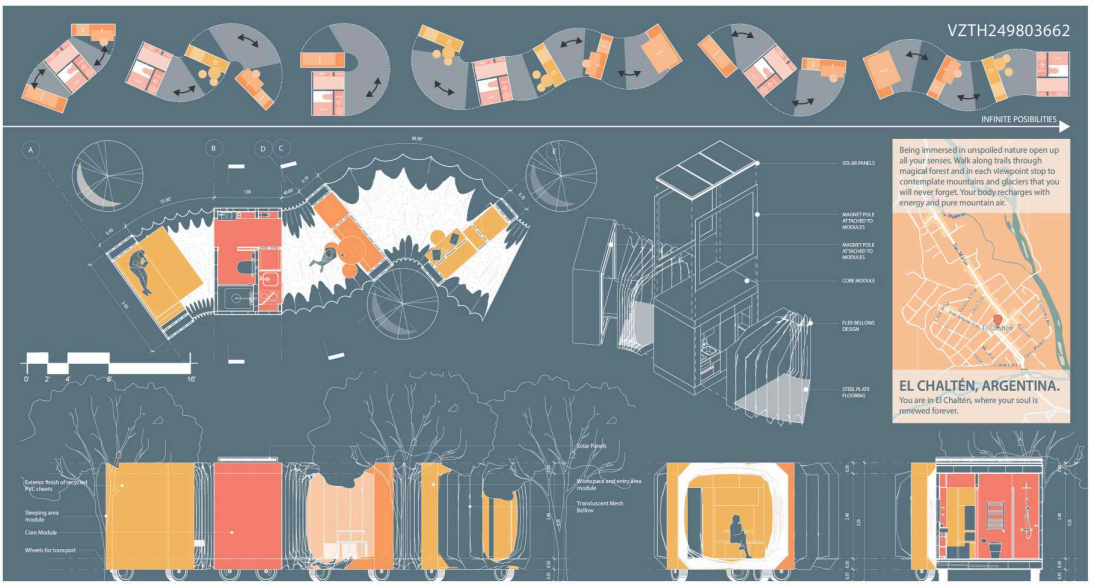
This is a house for mussel farmers where the elements of mussel culture are structura lcomponents of the house. Between the shores of the Baie dela Fresnaye, in northern France, vast mussel farms form a mesh of poles that stretch as far as the eye can see across the seascape. This area is subject to major tides, which completely change the landscape according to sea level. These thousands of posts,known as“bouchots”,are where French mussels are born and grow between March and June.

Subtly positioned above the high tide level, the house slips between this existing grid. Our farmer can access it directly with his boat at high tide, or by a hiddenstaircase at low tide. The floor plan features three living areas separated by two thick walls of storage. Each livingarea opens onto a span of bouchots.

Honourable Mentions: Honourable Mention 1

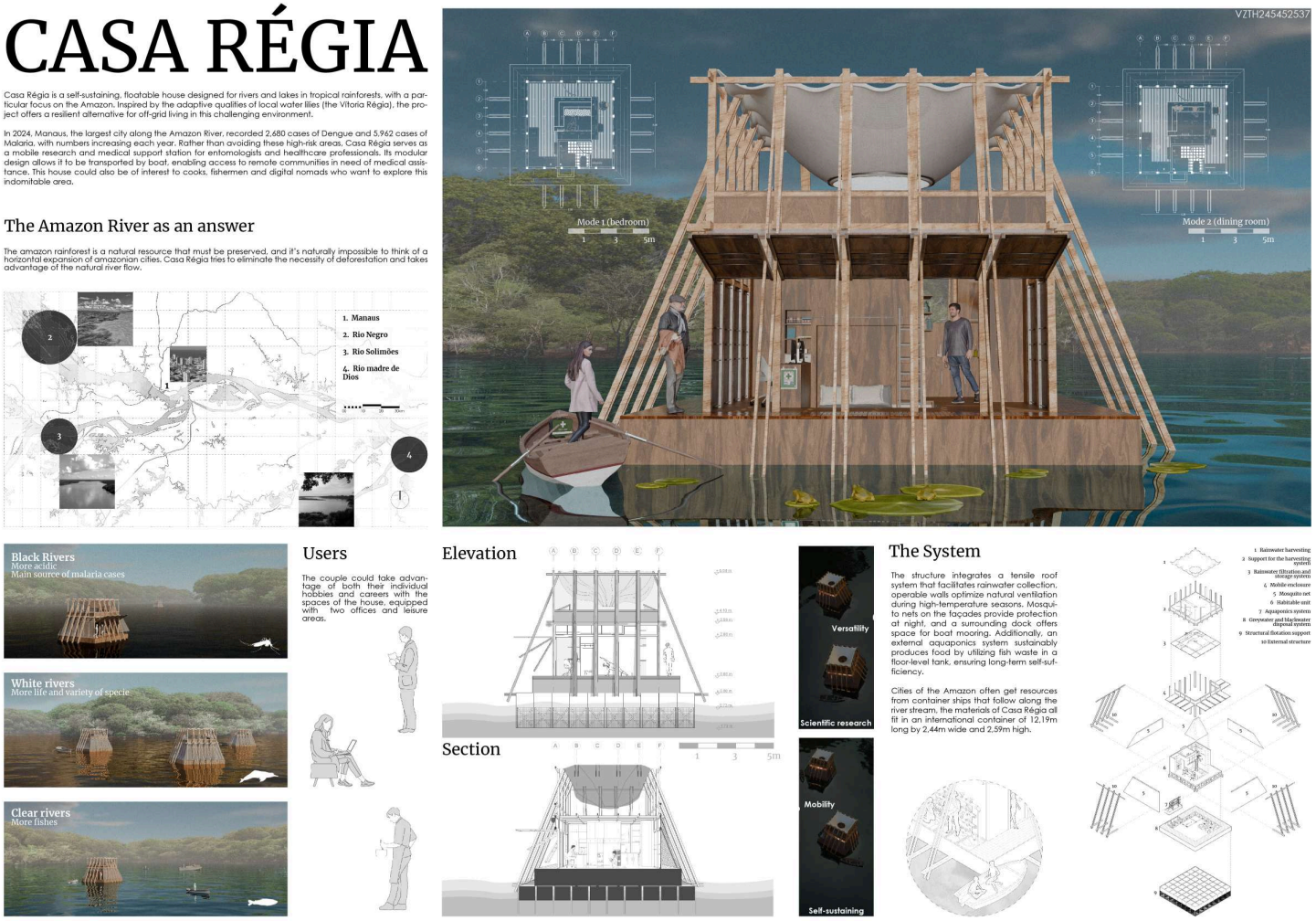
ORUGA - Paola edid Diaz (Argentina)





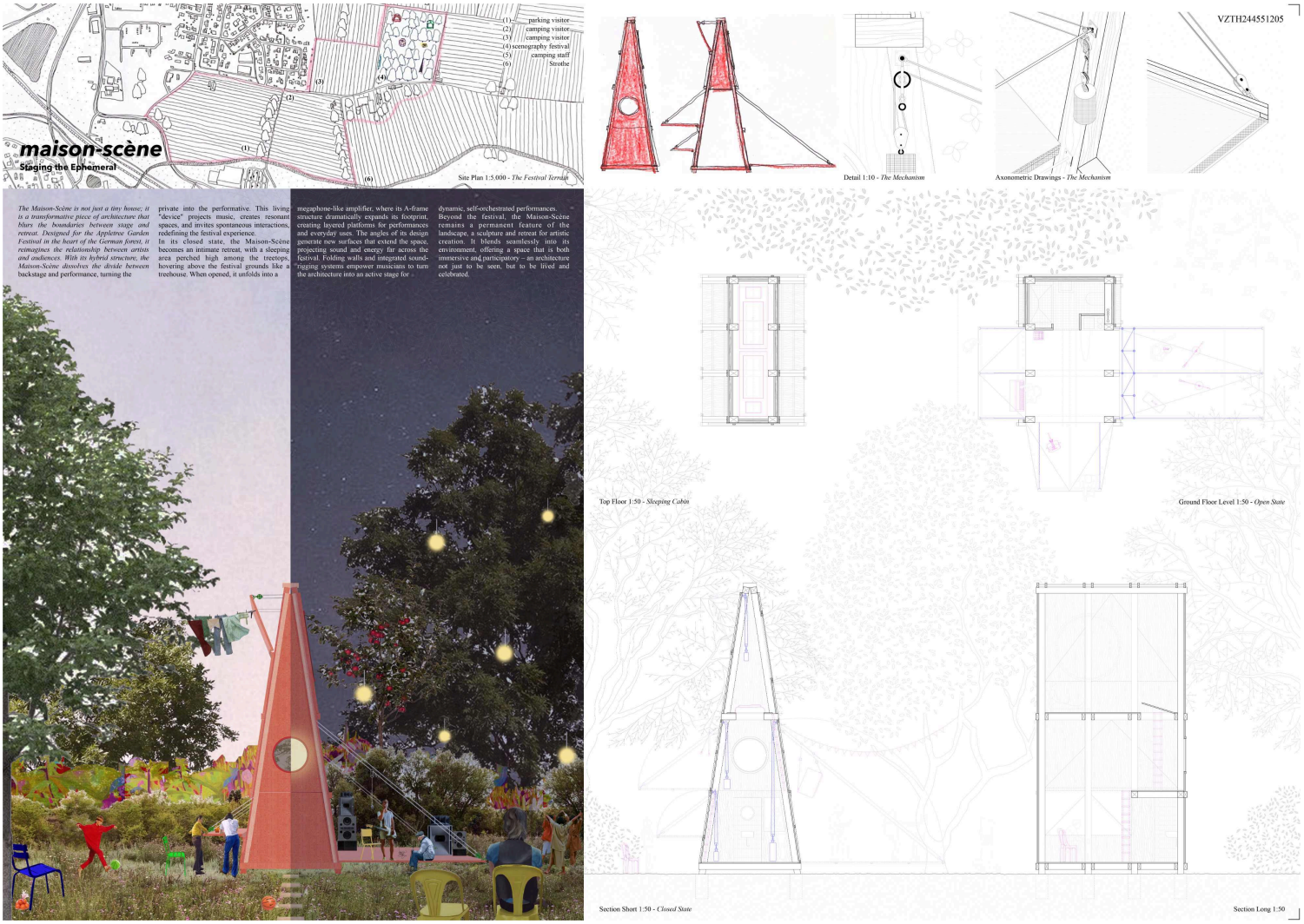
Honourable Mention 2

CASA REGIA - Felipe Oliva, Camila Antonia Aguilar Cavieres and Arih Siqueira (Chile)



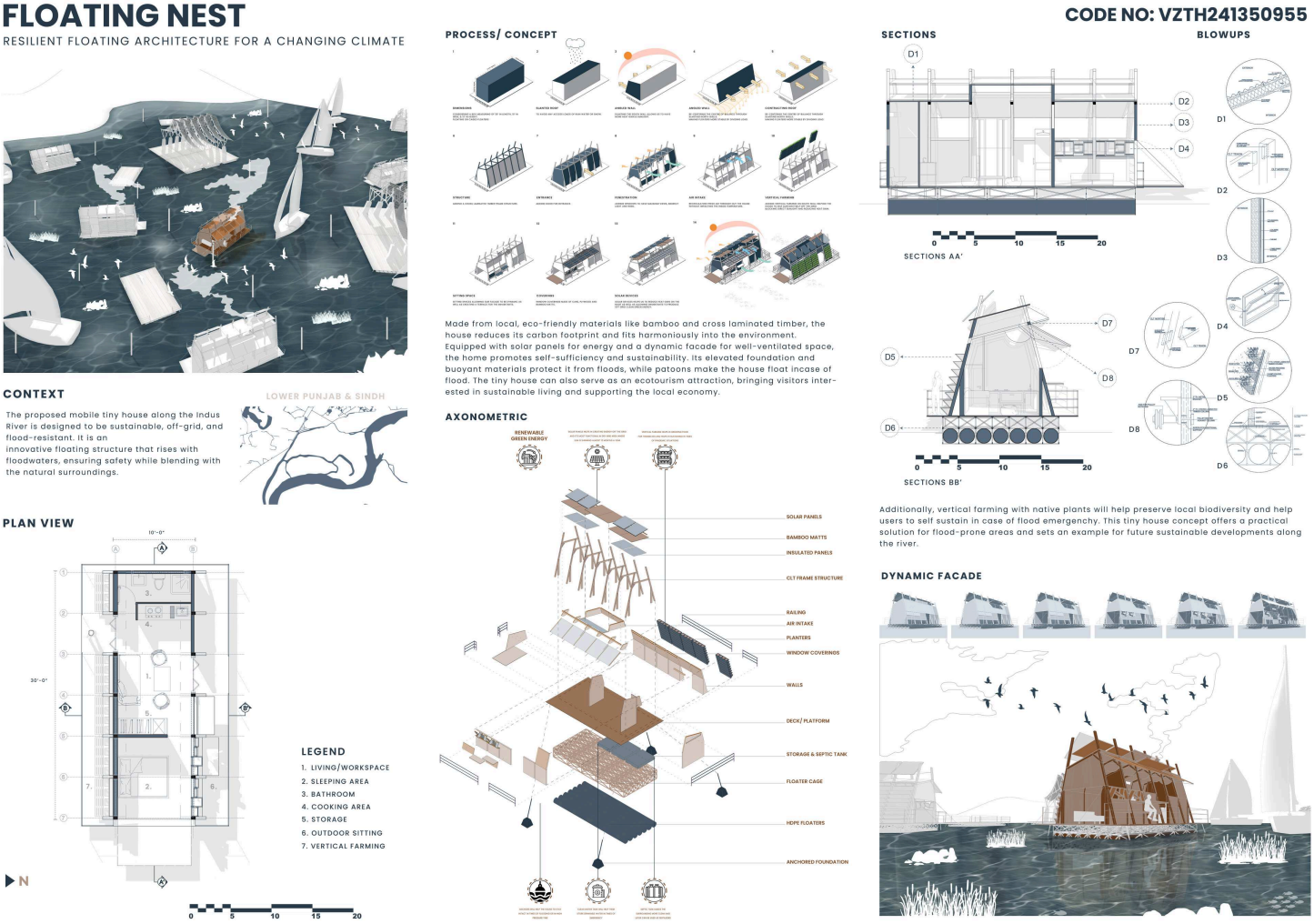
Honourable Mention 3

Maison-Scene - Nike Schoenfeld (France)



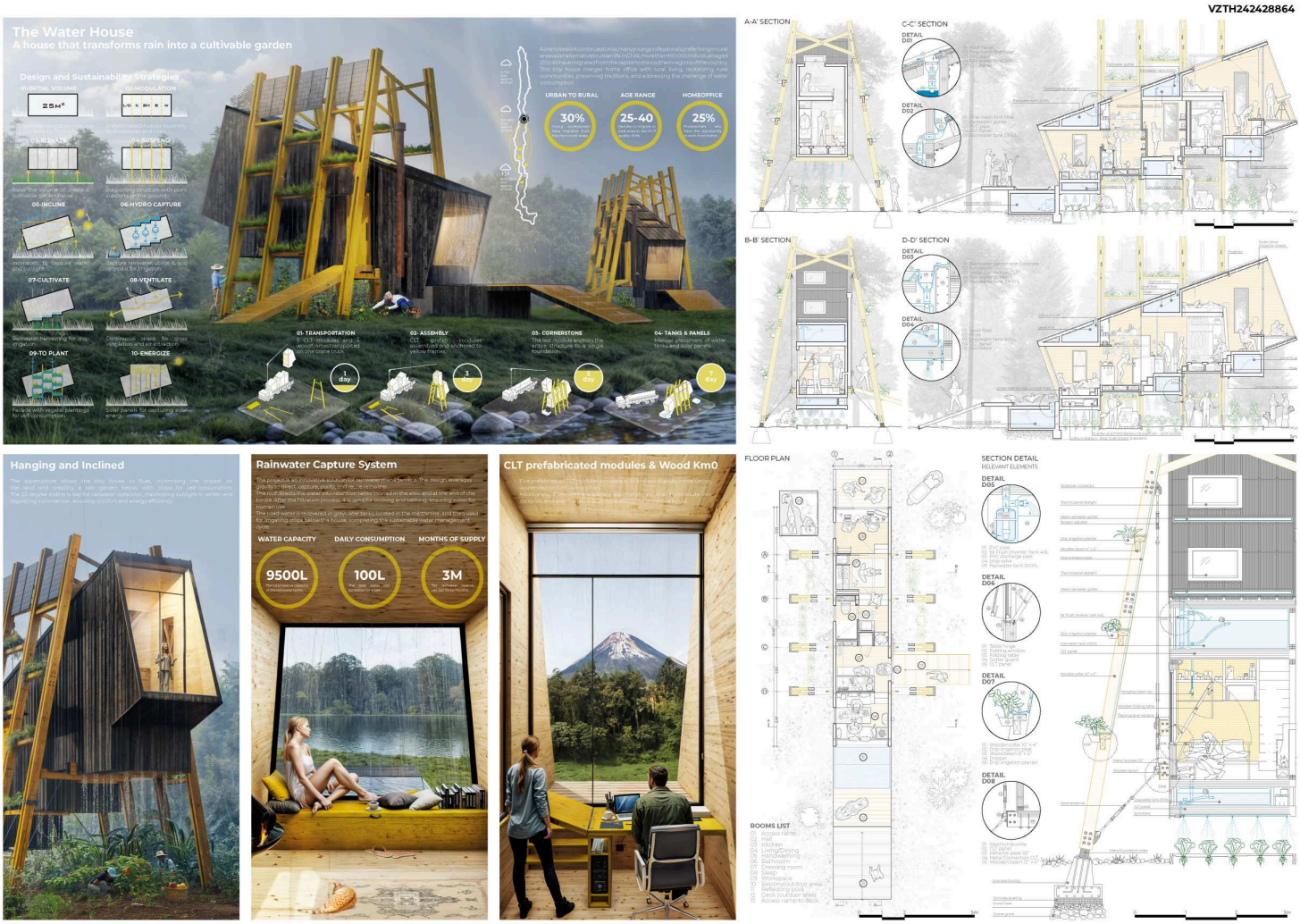
Honourable Mention 4

FLOATING NEST - Rahij Muhammad, Shaheer Ahmed and Burhan ud Din Patan Wala (Pakistan)



Honourable Mention 5

The Water House - Maximiliano Vecchi and Andy Gonzalez (Chile)



Honourable Mention 6

Bee House - Stanislav Paunovic and Vera Petronijevic (Serbia)

Honourable Mention 7

Terra Hut - Nayera Mohamed Said, Yara Refaee Rabie and Abdelrahman Hussien (Egypt)

Honourable Mention 8

Airova - Jayani Mehta & Mirnalini Divakar (United States)

Honourable Mention 9

GLASS LINE - Stela Boldur and Andra Ciobanu (Romania)

Honourable Mention 10

"TIFFIN" HOUSE - Nafisah Binti Ezam (Australia)

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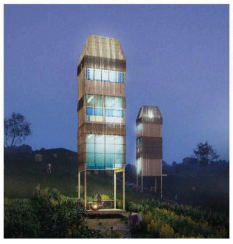
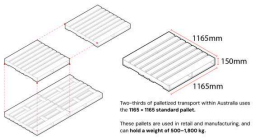


"TIFFIN" HOUSE

In the face of skyrocketing living costs and the growing popularity of remote work, this proposal envisions an innovative tiny house module designed for small families or two individuals seeking an affordable and sustainable lifestyle.

The design, set against the vast farming lands of Australia, combines architectural ingenuity with ecological responsibility, offering a solution that fosters **food security**, **minimal environmental impact**, and **collaboration with local farmers**.

Each stackable, three-story module is constructed using **recycled Australian pallets** (1116mm x 1165mm), sourced from farmers, reducing construction waste while supporting the circular economy. The house is elevated **3 meters on minimal stilts** to protect the earth below and allow for seamless integration with the surrounding landscape, permitting **farm animals like cows and alpacas to roam freely.**



Two-thirds of palletized transport within Australia uses the **1165 × 1165 standard pallet.**

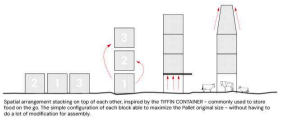
These pallets are used in retail and manufacturing, and can **hold a weight of 600–1,800 kg.**

By collaborating with farmers, the project not only provides affordable housing but also offers:

Sustainability and Livability
Recycled materials, elevated construction, and energy-efficient design minimize environmental impact, ensuring harmony with the surrounding ecosystem.

High Access to Food
Residents can directly source farm produce from local farms, ensuring a healthier, sustainable lifestyle.

Food Preservation Capacity
Integrated preservation features empower residents to store seasonal produce efficiently, reducing waste and enhancing food security.



Spatial arrangement stacking on top of each other, inspired by the TIFFIN CONTAINER - commonly used to store food on the go. The simple configuration of each block able to maximize the Pallet original size – without having to do a lot of modification for assembly.