

LAGI

FIJI 2025



Arrays of Vanua

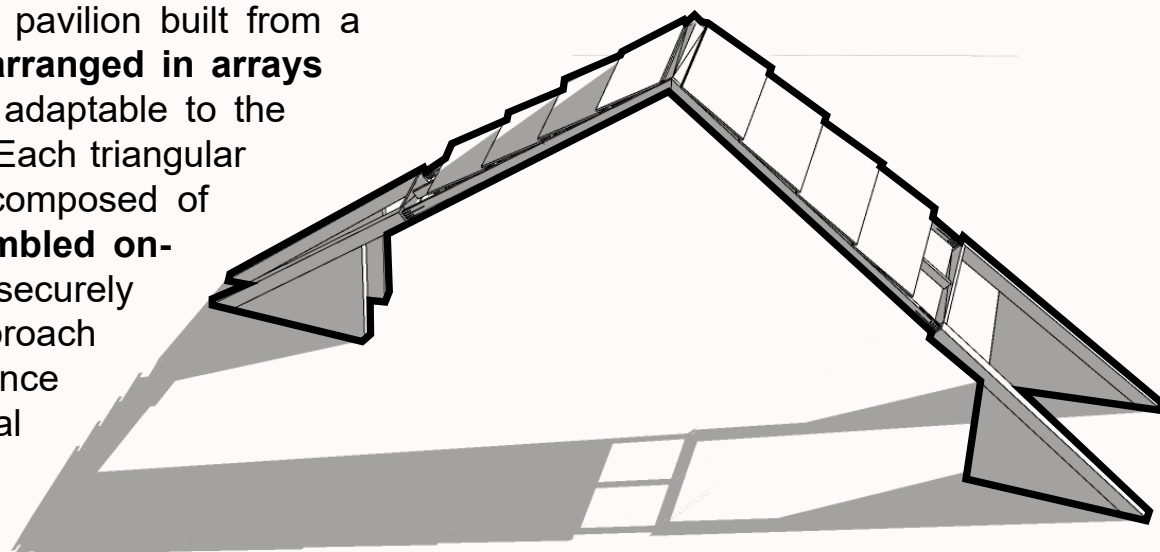
For the LAGI Fiji 2025 competition, our proposal is grounded in the Fijian concept of **Vanua**. While Vanua literally translates to 'tribe', its meaning runs far deeper—it reflects the profound **interconnectedness** between people, knowledge, values, spirituality, and nature. This holistic view aligns seamlessly with LAGI's mission to inspire climate action through **artistic innovation and community-driven design**.

The LAGI Pavilion brings this philosophy to life by integrating traditional Fijian architectural forms with modern sustainable technologies. The pitched roof is oriented to maximize exposure for photovoltaic panels while also enabling efficient rainwater runoff. It is directed into an underground reservoir where to undergo filtration and pumped to storage tanks for distribution to the village. **Surplus water** is properly calculated and used for the pavilion. This water is then used for irrigation, passive cooling, and **seasonal transformation** of the landscape through a **shallow water feature** during the rainy season or a **green strip** during the dry season.

Constructed from readily available, local materials using a **modular** and **scalable** system, the design adapts to diverse terrains while remaining culturally rooted. It serves as **an open village extension**, offering a space for cultural participation, festivals, workshops, and shared learning—bridging environment, heritage, and future resilience.

Singular Module

The design proposal envisions a pavilion built from a single modular unit that can be **arranged in arrays** to create a variety of structures, adaptable to the specific needs of the community. Each triangular module is scalable in size and composed of **pre-cut elements** that are **assembled on-site** once the reinforcement is securely cast in place. This modular approach ensures structural stability, resilience to typhoons, alignment with local construction techniques, and ease of repair—all while maintaining design flexibility.

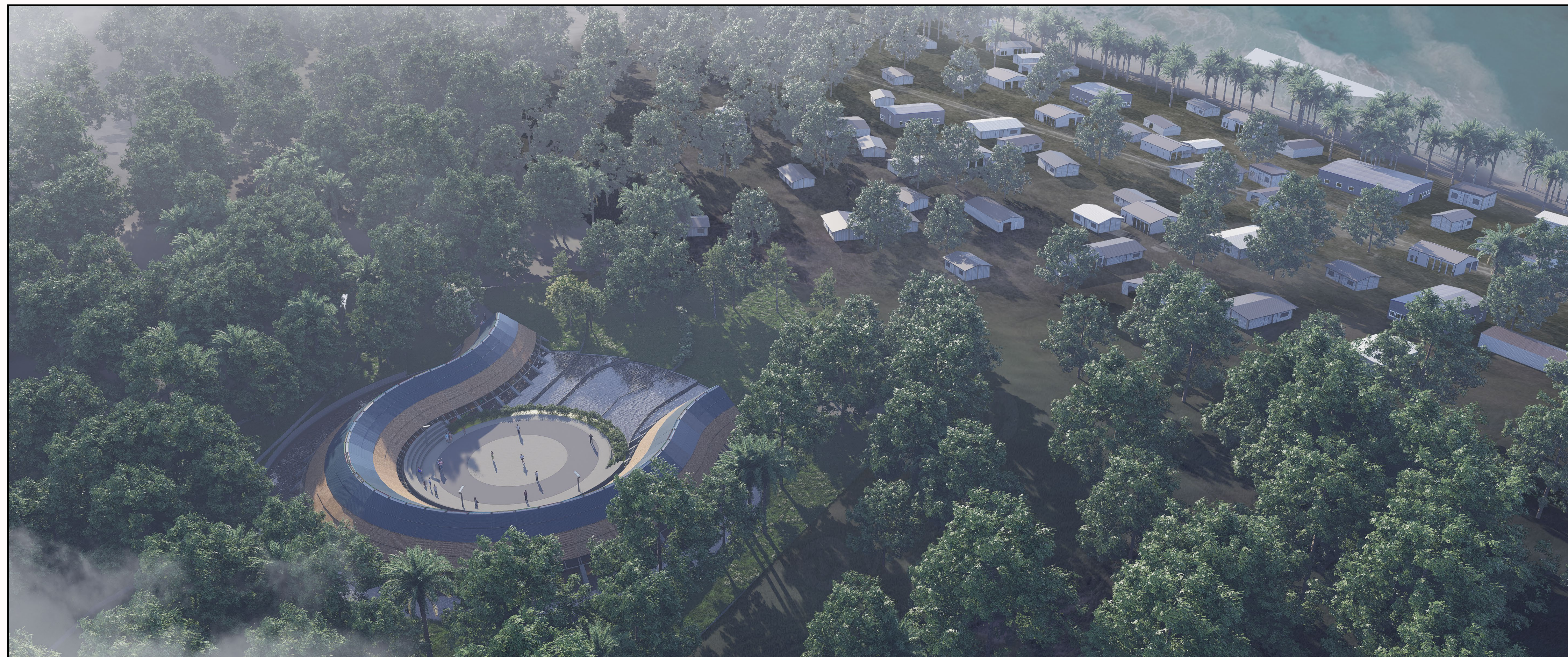
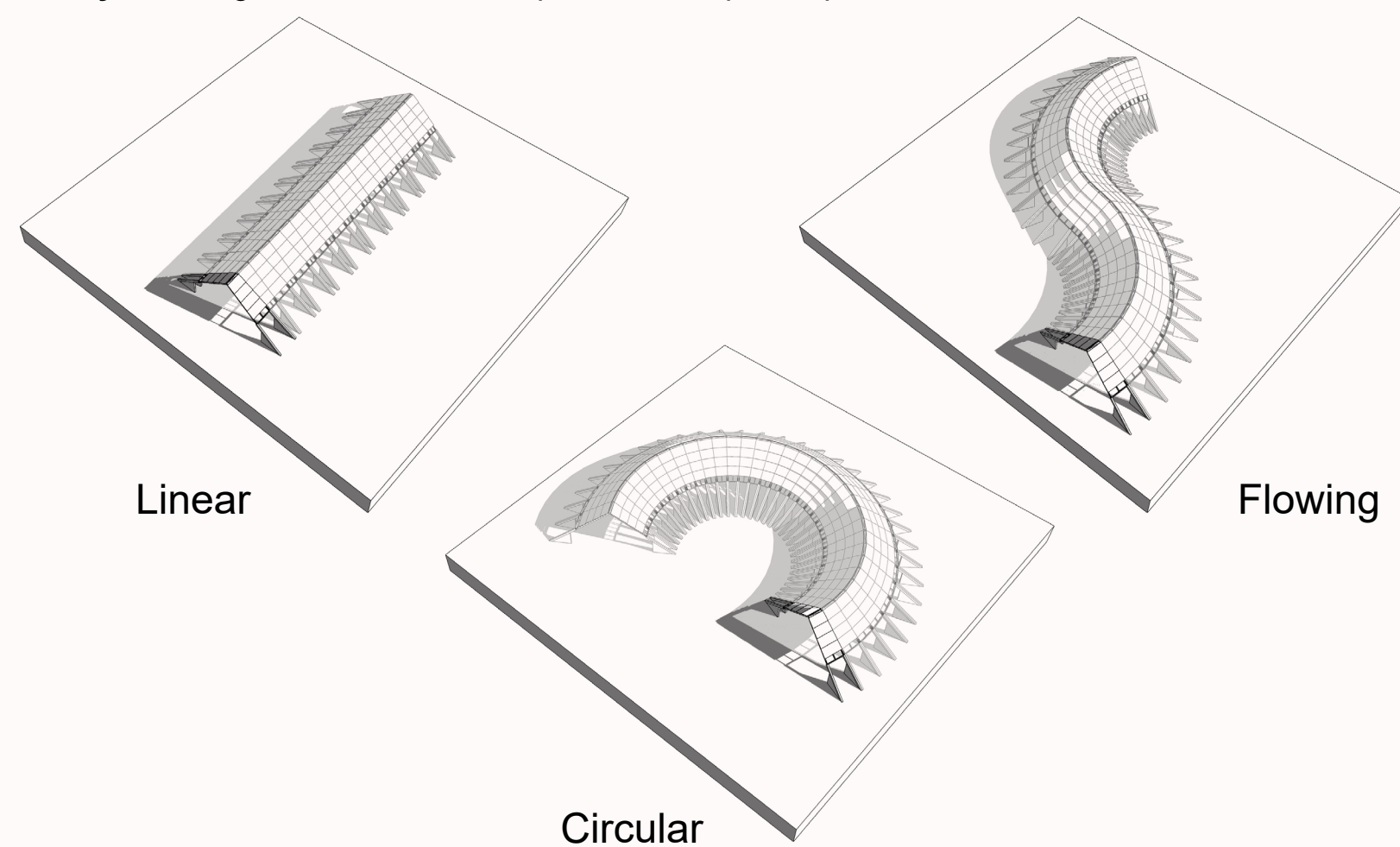


Modular Arrangements

Inspired by the **dance formations in a Meke** which varies from linear, wavy, and a circular arrangement, different structure shapes can be made. The **singular module** is designed to be arranged in multiple configurations that reflect togetherness and adaptability. When arrayed from a central point, the modules form a circular space, ideal for cultural dances and community gatherings. A **meandering layout** emerges when modules extend from alternating sides, creating covered paths through trees and landscapes. A **linear formation**, on the other hand, suits processional events or open communal activities.

Each module, simple and triangular in form, can be scaled in size and tailored in arrangement to respond to the needs of the community and the character of the site. From a single repeated element, a diverse range of spatial experiences can be generated.

Much like Vanua, where each individual contributes to a greater whole, this system celebrates **unity through modularity**, allowing communities to shape and reshape the pavilion as their needs evolve.



Site-Structure Interaction

Environmental consciousness is embedded in every aspect of LAGI. The pavilion is a light-touch intervention on the existing landscape, raised on a skeletal foundation to preserve natural terrain, vegetation, and water flow. Durable, low-impact materials such as recycled concrete, locally sourced timber, and corrosion-resistant finishes ensure longevity in coastal conditions. The design uses minor grading to integrate with existing stormwater channels, allowing both roof and surface runoff to be collected in an underground reservoir. This feeds a shallow water feature that provides passive cooling and enhances micro-climate comfort. In dry seasons, the feature becomes a grassy green strip, maintaining usability and visual appeal. The pavilion's form also maximizes solar exposure, supporting energy collection with minimal environmental disruption.

