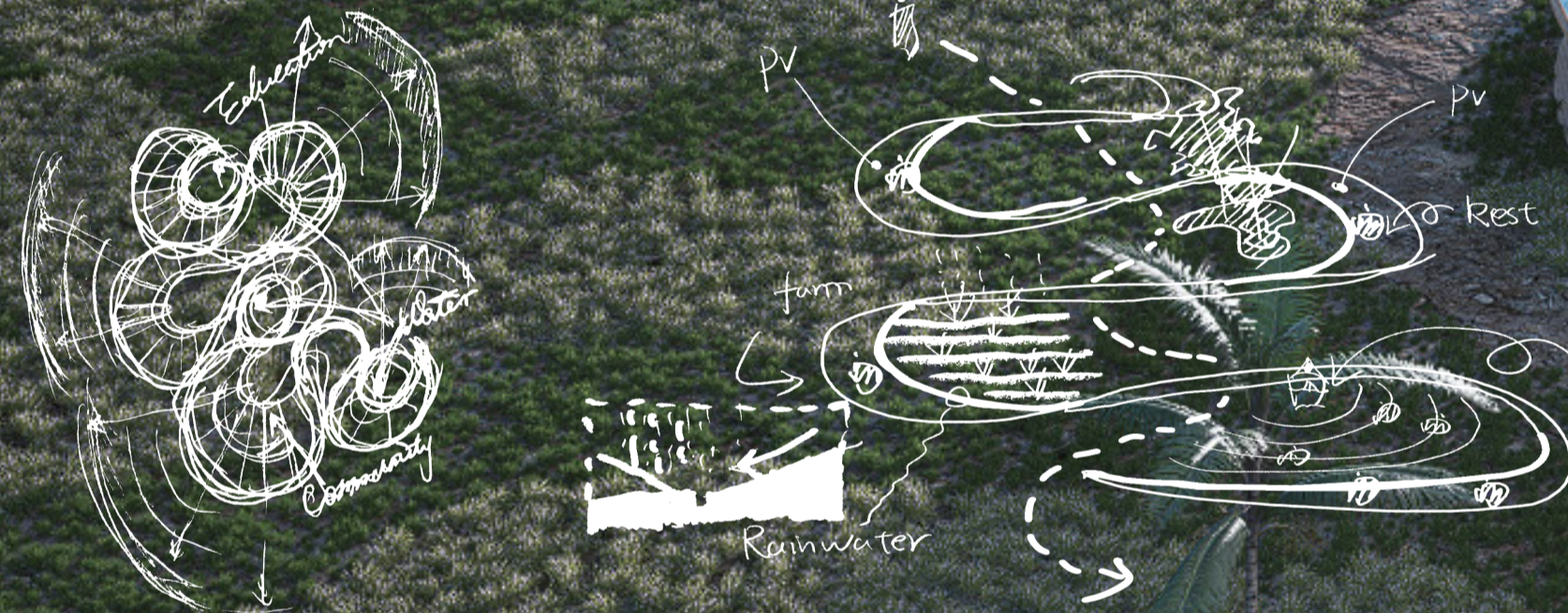


# A PLACE BECOMING

## A Living Circle of Energy, Water, and Life

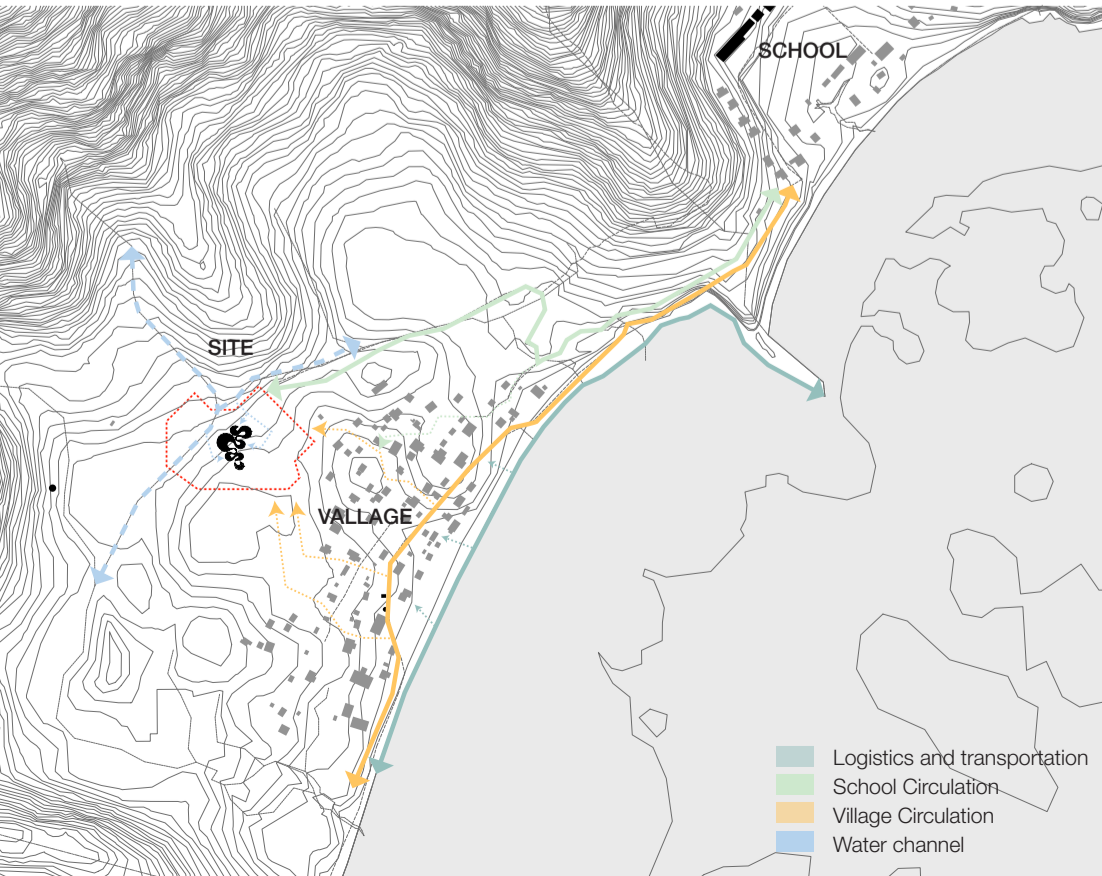
Our design proposes a multifunctional structure that responds directly to the needs of Marou Village by integrating energy generation, rainwater harvesting, and community space within a modular framework. At its core, the structure provides over 75 kW of clean solar energy, with rainwater collected through an integrated system designed to supplement the village's freshwater reserves during the dry season. To achieve this, we utilize CIGS (copper indium gallium selenide) solar membrane technology, which allows our glass surfaces to generate electricity while offering a degree of flexibility ideal for the structure's organic form and varied installation angles.

Beyond essential utilities, we recognize the cultural and social importance of shared spaces in village life. The structure creates shaded gathering areas that can host Kava ceremonies, educational activities for Yasawa School students, and other community events. We believe that blending infrastructure with social functionality not only strengthens community bonds but also fosters pride and stewardship in the system's upkeep.



Our design also embraces future resilience and scalability. We have developed modular expansions, including insulated agricultural pods for year-round farming, cold storage units for preserving fish and food, and additional water storage modules. These expansions can be added flexibly, depending on the community's evolving needs and available resources.

Every aspect of the design reflects a commitment to sustainability, resilience to severe weather events like cyclones, and sensitivity to local culture and environment. Our aim is to create an adaptable, beautiful infrastructure that supports Marou Village's immediate needs while offering a replicable model for other island communities facing similar challenges.



### PHASE 1: Solar Community Hub

The first phase builds a solar-covered public space that serves as both an energy generator and community gathering area. It provides shade, lighting, and power for daily life while establishing a modular foundation for future growth.

### PHASE 2: Educational Pavilion

The second phase adds a flexible, solar-powered education space. It supports school programs, workshops, and evening classes, offering a safe, well-lit environment for learning.

### PHASE 3: Water Security System

Phase three introduces rainwater harvesting through rooftop catchment and modular storage tanks. The system provides clean water year-round, addressing seasonal shortages.

### PHASE 4: Food and Livelihood Expansion

The final phase adds insulated green farming modules and outdoor farmland powered by the system. Supporting food production, cold storage, and small enterprise, it completes the site's transformation into a self-reliant ecosystem.

