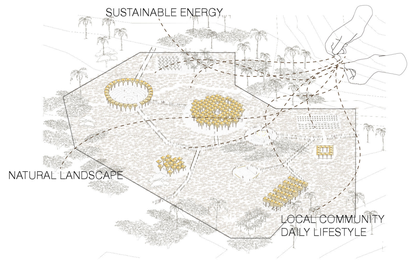
# TALI-TALI-LAND

Our design centers on the relationship between the local community, sustainable energy, and water. It aims to foster a deep sense of ownership and pride by inviting community participation while remaining practical, efficient, and easy to assemble. It is important for the local community to foster a personal connection with the designed structure to feel a sense of ownership and actually care for it. Our design strikes the balance between the need for personal touch with the need for standardized production and manufacturing using simple assembly.

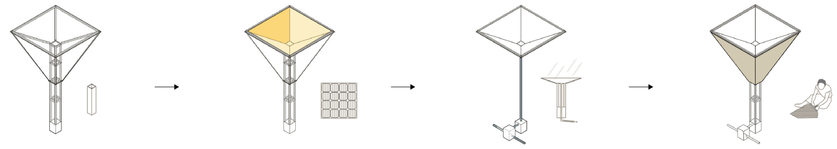



The basic structure of the proposal is a modular hollow steel structural system designed for simple, standardized production and easy on-site assembly. This framework supports PV panels at the top and integrates a rainwater collection system. The modules are enveloped with fabrics (masi, tapa) and mats weaved by local residents: they act as windbreaks to reduce damage from flying debris during storms, provide visual identity, and showcase community artistry. By enabling individuals to personalize the envelope with their own designs and techniques, the structure becomes a canvas for local expression and reinforces a personal connection to the shared infrastructure they helped design. Rather than making the structure as an isolated solar farm, we believe that allowing people to engage in activities under the structure will create an everyday connection between local residents and the structure.

The structures clustered together will create a shaded space for multiple activities such as playground for kids and detention pond for flood water mitigation, a multifunctional educational space to learn about energy harvesting and showcasing local crafts, a material lab where people can learn about the raw materials used for traditional weaving, agrivoltaic farming space for important local ingredients, and a prototyping workshop space for testing and experimentation. Moreover, a water distribution space and community space will also be created.

This will be a scalable, adaptive, and culturally meaningful infrastructure, built not only for the community but with the community. It reflects their creativity, meets their needs, and empowers them to lead its future development.

## MODULE DESIGN



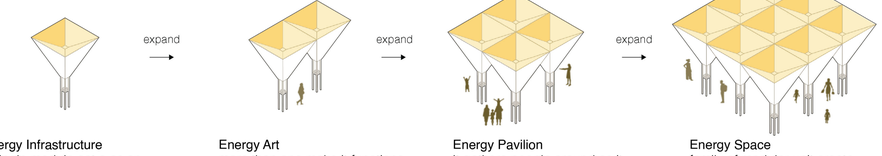
**Base Structure**
modular hollow steel structural system.

**PV Panel**
color tinted durable solar panel installed on top.

**Water Collection**
solar panel also used for directing rainwater for harvest.

**Fabric/Mat Envelop**
fabrics (masi, tapa) and mats weaved by local residents.

## FORMATION OF ENERGY SPACE



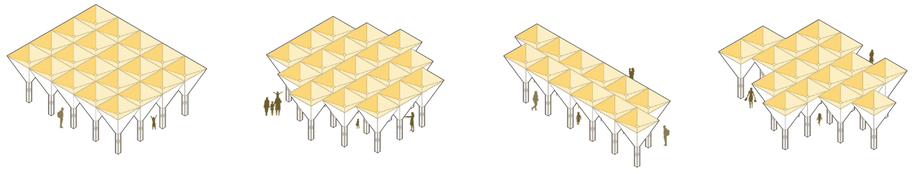

**Energy Infrastructure**
a single module act a as an energy infrastructure.

**Energy Art**
more than one make it functions beyond as an infrastructure.

**Energy Pavilion**
it gathers people around as it further expand.

**Energy Space**
family of modular unit create space for activities under it.

## SPACE DEVELOPMENT POSSIBILITIES



**ON GRID**
Module arrange following a regular grid system. It is easy to expand and create ordered structure.

**OFF GRID**
Module arrange on a shifted grid system. Interesting spatial space forms under the structure with the column in zig-zag order.

**ELONGATE**
Module expand horizontally open up the structure to the natural landscape. It invites local to roam around it.

**RANDOM**
Module arrange based on the needs of local. The organic randomness help the structure blend into the nature.