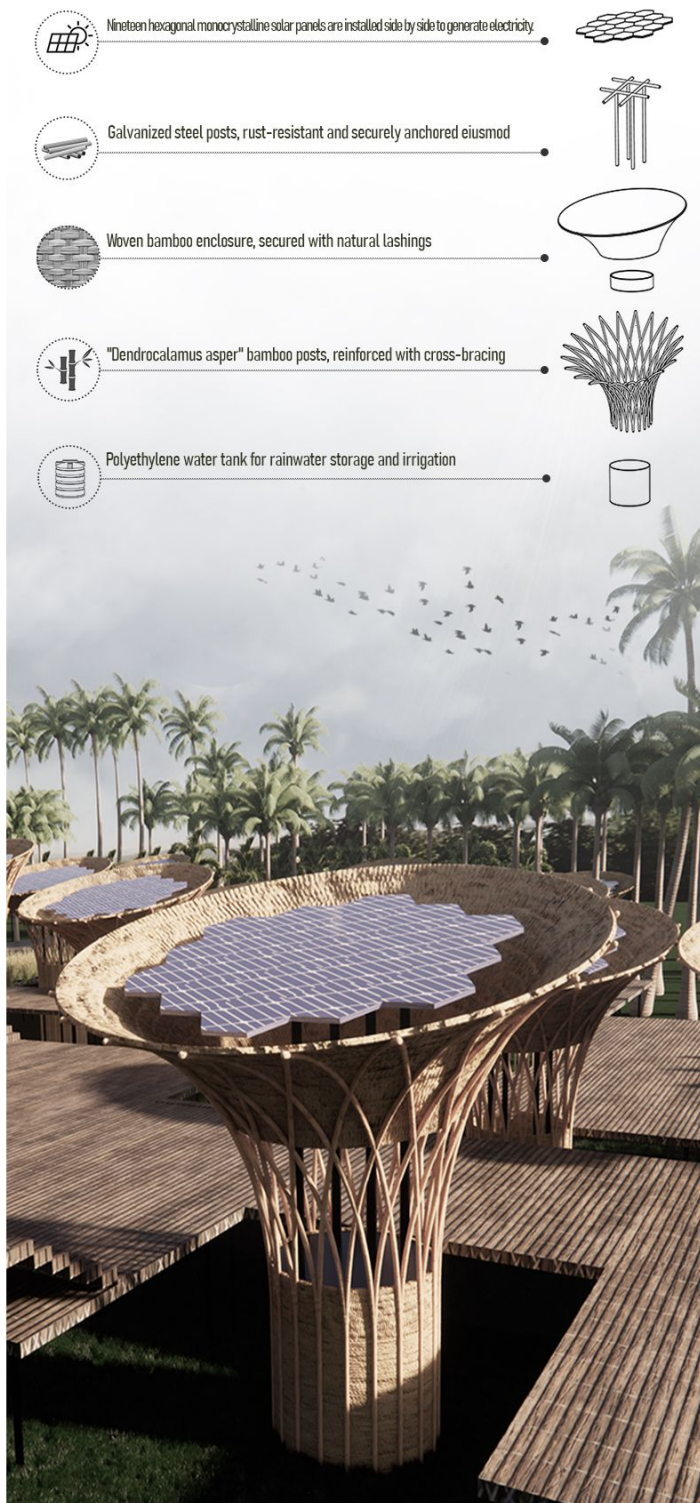





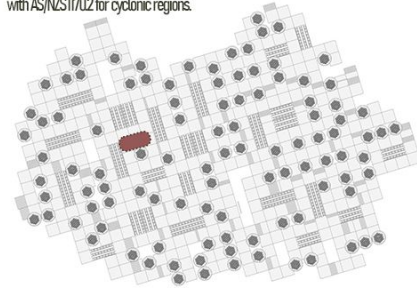


- 9
An autonomous structural framework is employed to host the solar panels, enhancing stability and reducing exposure to direct wind pressure.
- 8
Shift the panels below the edge of the shields protect them from storm impacts and airborne debris, enhancing durability in extreme condition
- 7
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et
- 6
Introducing an opening in the structure enables wind flow, thereby enhancing the aerodynamic performance of the solar towers
- 5
The generated shade can be utilized as a space for rest and communal interaction
- 4
Rotating the circles according to the optimal tilt angle of solar panels
- 3
Choosing three circular cross-sections from a cylinder
- 2
Aerodynamic objects
- 1
Non-aerodynamic objects

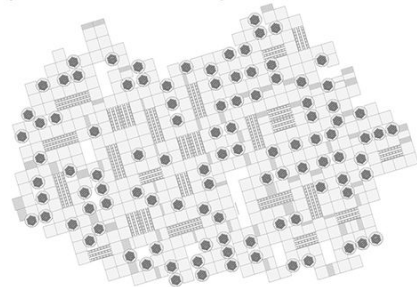


-  Nineteen hexagonal monocrystalline solar panels are installed side by side to generate electricity.
-  Galvanized steel posts, rust-resistant and securely anchored eiusmod
-  Woven bamboo enclosure, secured with natural lashings
-  "Dendrocalamus asper" bamboo posts, reinforced with cross-bracing
-  Polyethylene water tank for rainwater storage and irrigation

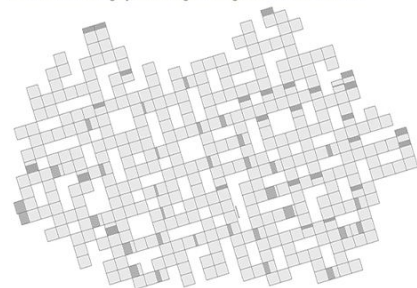
The location of battery is 60 cm upper than ground because of flooding is a risk in maoru. The containers are secured with cyclone-rated anchor bolts in accordance with AS/NZS1702 for cyclonic regions.



Empty zones are repurposed for sustainable energy generation and sustainable agriculture



The final grid layout facilitates access to various parts of the project while also defining spaces for gathering and social interaction



THE IDEA OF AGRICULTURE

Inspired by vertical farming and our goal to protect soil health and prevent erosion, we designed a raised planting system that keeps agriculture off the ground. Each planter uses a molded coconut coir liner, breathable, biodegradable, and easy to replace, supporting clean, efficient growth using collected rainwater.

