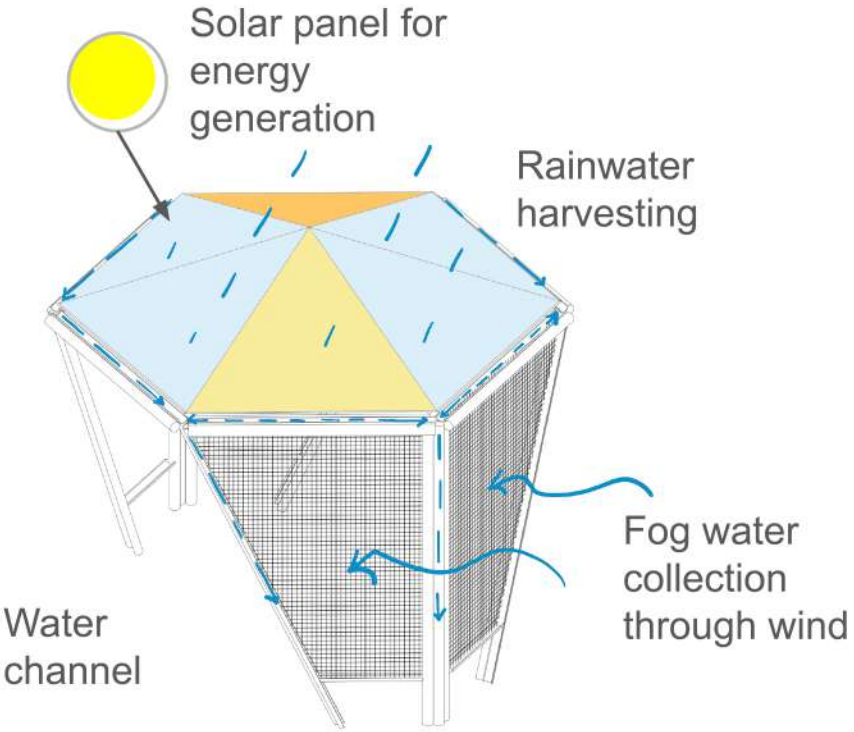
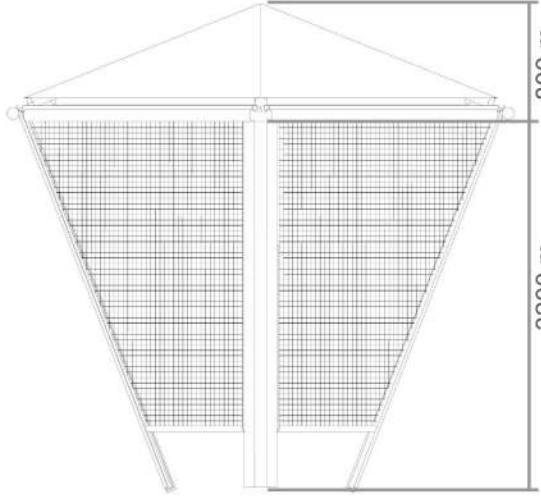
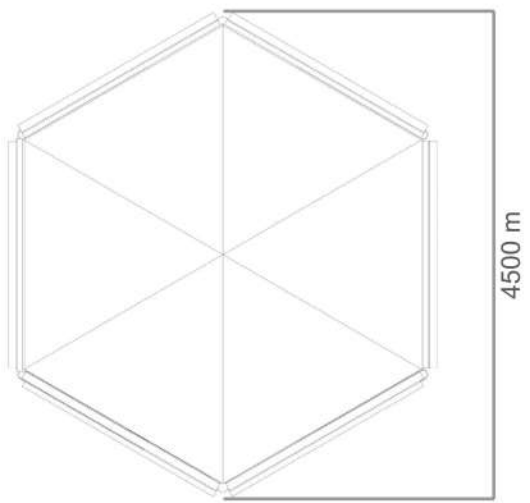


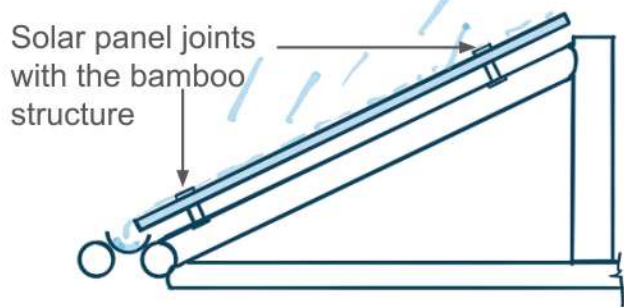
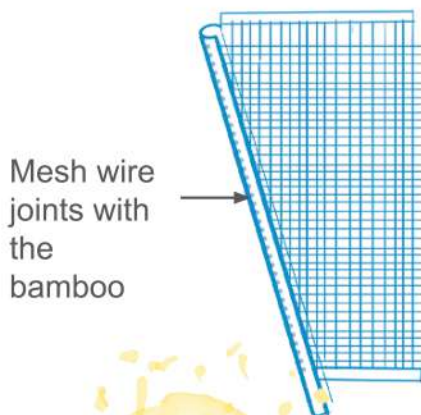
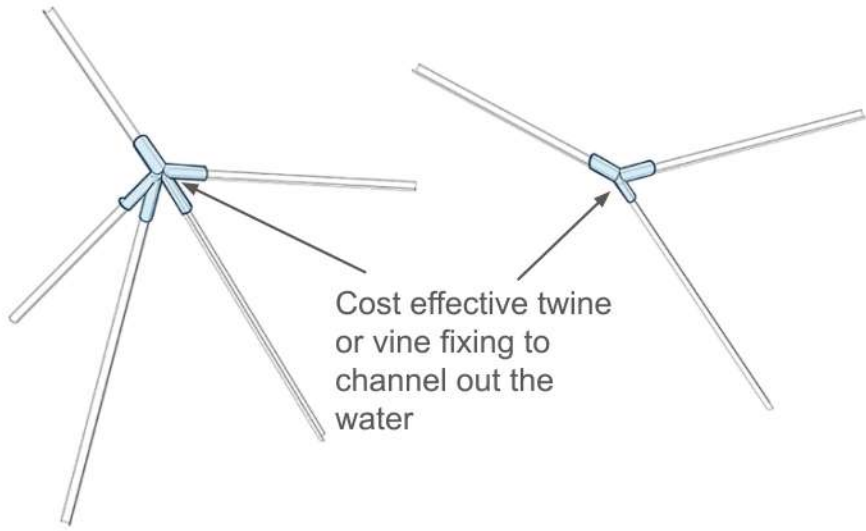
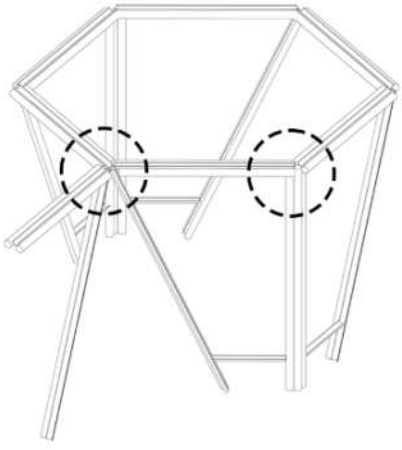
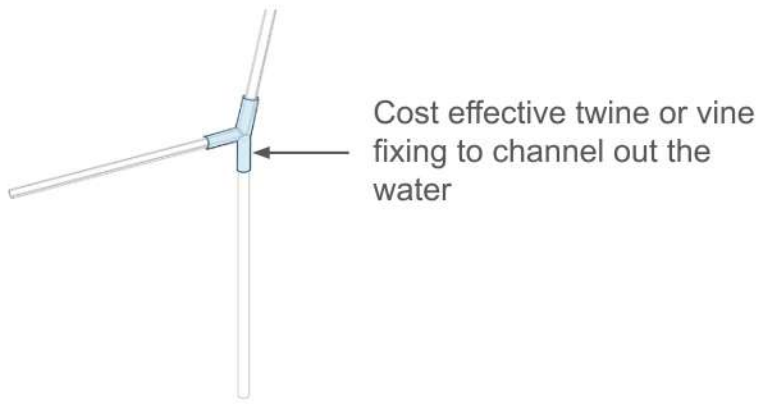
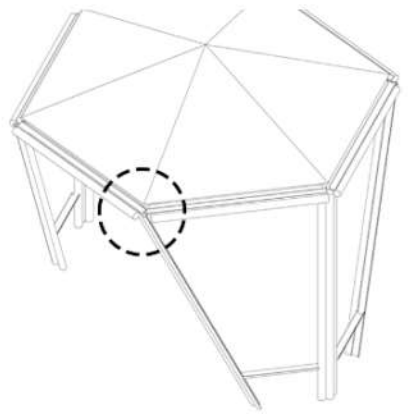
Eco EnergyScape

Our installation form is inspired by the hexagonal geometry found in nature, drawing from sources such as honeycombs, snowflakes. This shape is one of the most efficient and inherently stable forms found in nature and its modularity allows for the creation of an engaging space that invites exploration, interaction, and contemplatio

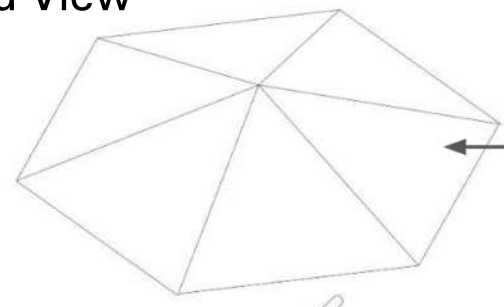
Design Components



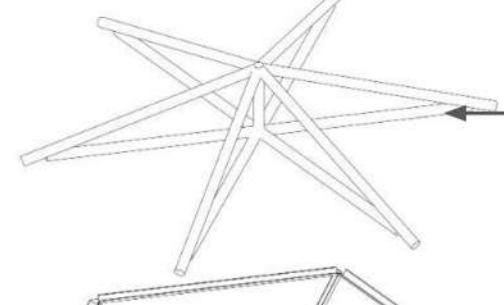
Construction Details



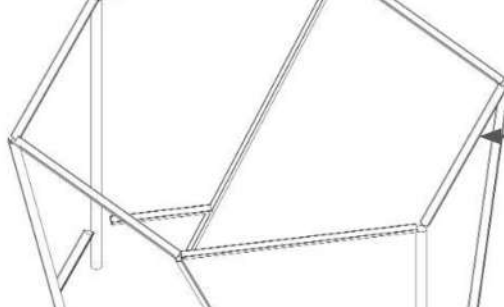
Exploded View



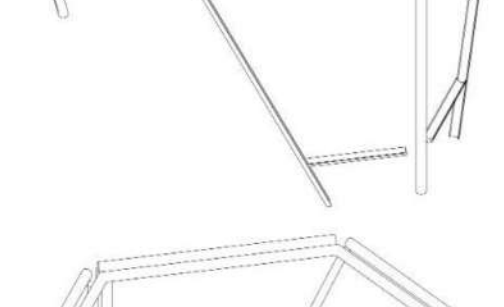
Solar panel



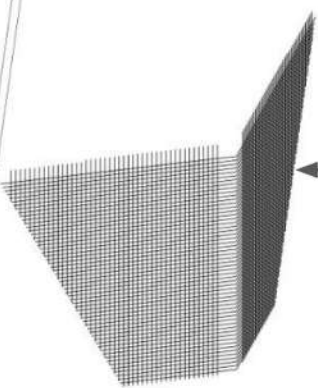
Structure to hold solar panel



Water channel made of bamboo



Supporting bamb structure around water channel



Fog Water harvesting mesh net



Top View

Design framework

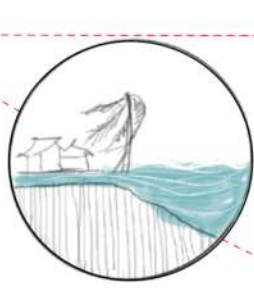
Issue



Rising Sea Level

Consequences

Coastal flooding, saltwater intrusion



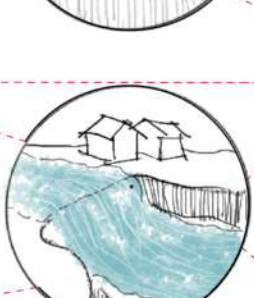
Principles

Rejuvenate



Prolonged Dry season

Freshwater scarcity, reduced agricultural production

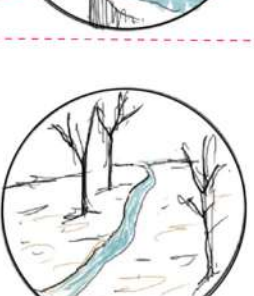


Adapt



Heavy Rainfall

Flash flood/inland flood, landslides

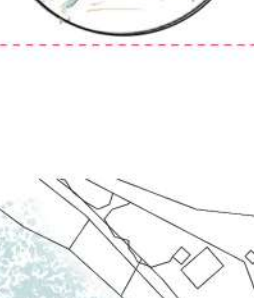


Coexist



Reliance on Imported Fuel

Electricity scarcity, economic vulnerability



Grow

Principles

Rejuvenate

Coexist

Adapt

Grow

Masterplan theme

Regenerative Waterfront

Constructed Wetland

Layered Protection

Green-Blue Network

Productive Landscape

Shared Land Use

Eco-Energyscape Walk

Renewable Energy Pavilion

Mangrove Layer

Oyster Layer Dune

Lagoon

Nama Cultivation

Edible Landscaping

Secondary Dune with Sediment

Eco Habitat

Pavilion as Shelter

Waterfront Promenade

Children Park & Cultural Space

Climate Sensitive Agriculture

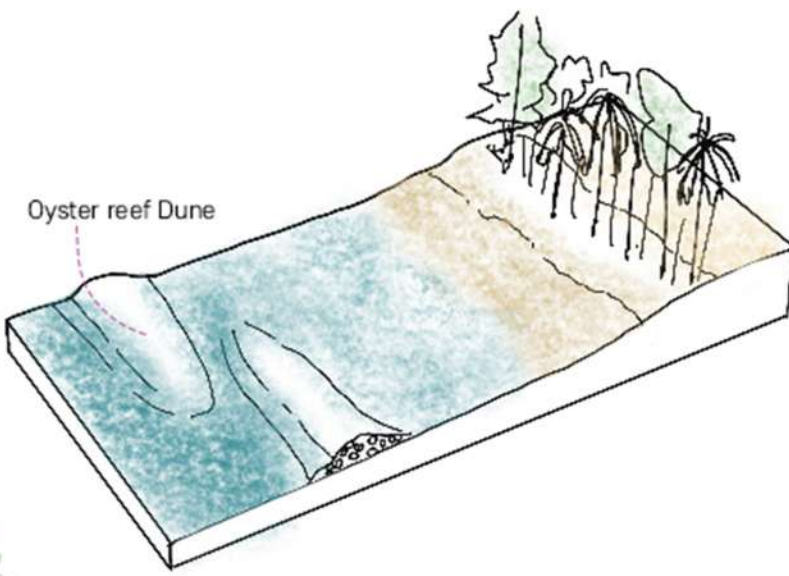
Visitor Resting Space

Cultural Space

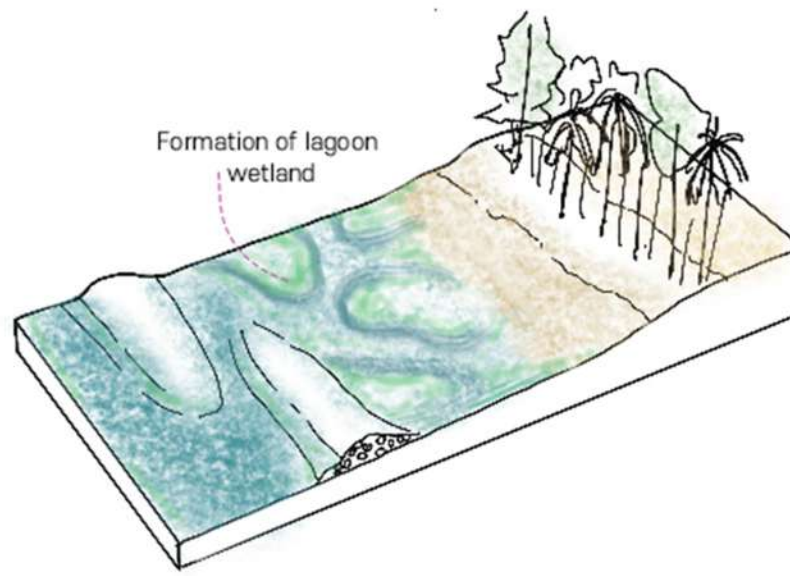
Kinetic pavements

Energy Generative Installation

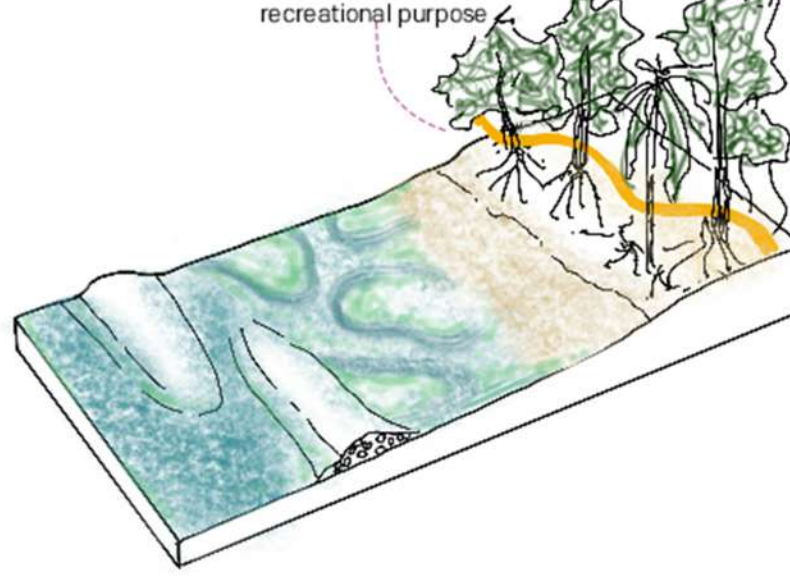
Renewable Energy Pavilion



Oyster reef Dune



Formation of lagoon wetland



Mangrove belt with recreational purpose

Fig: Phases of coastal Protection

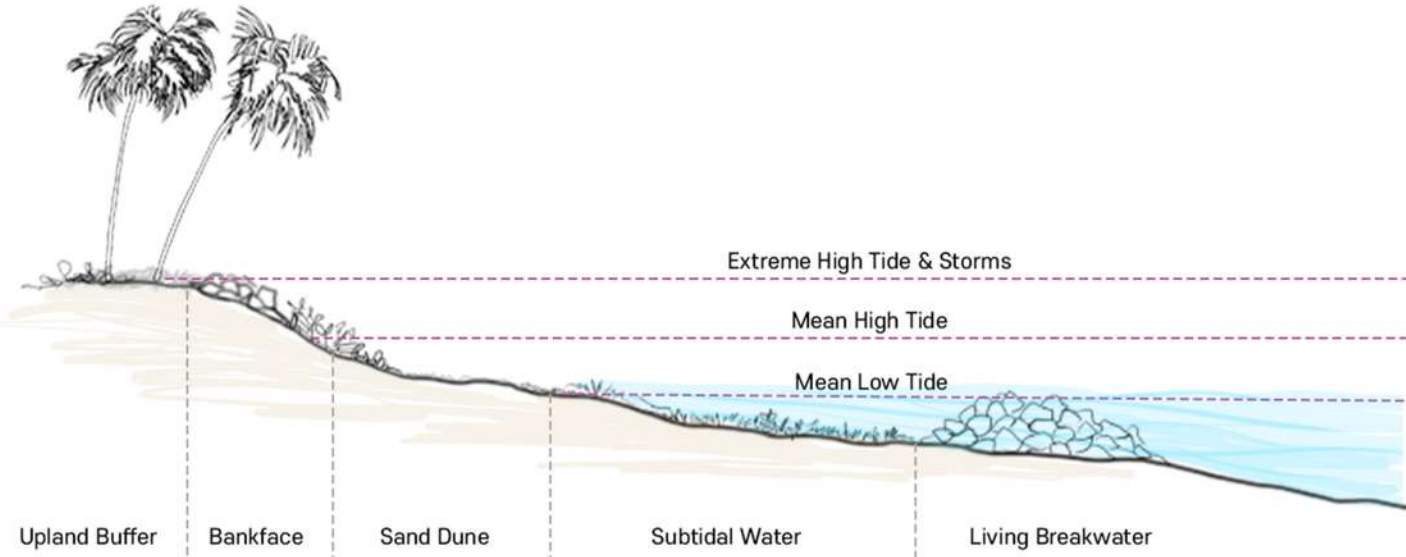


Fig: Different Zones