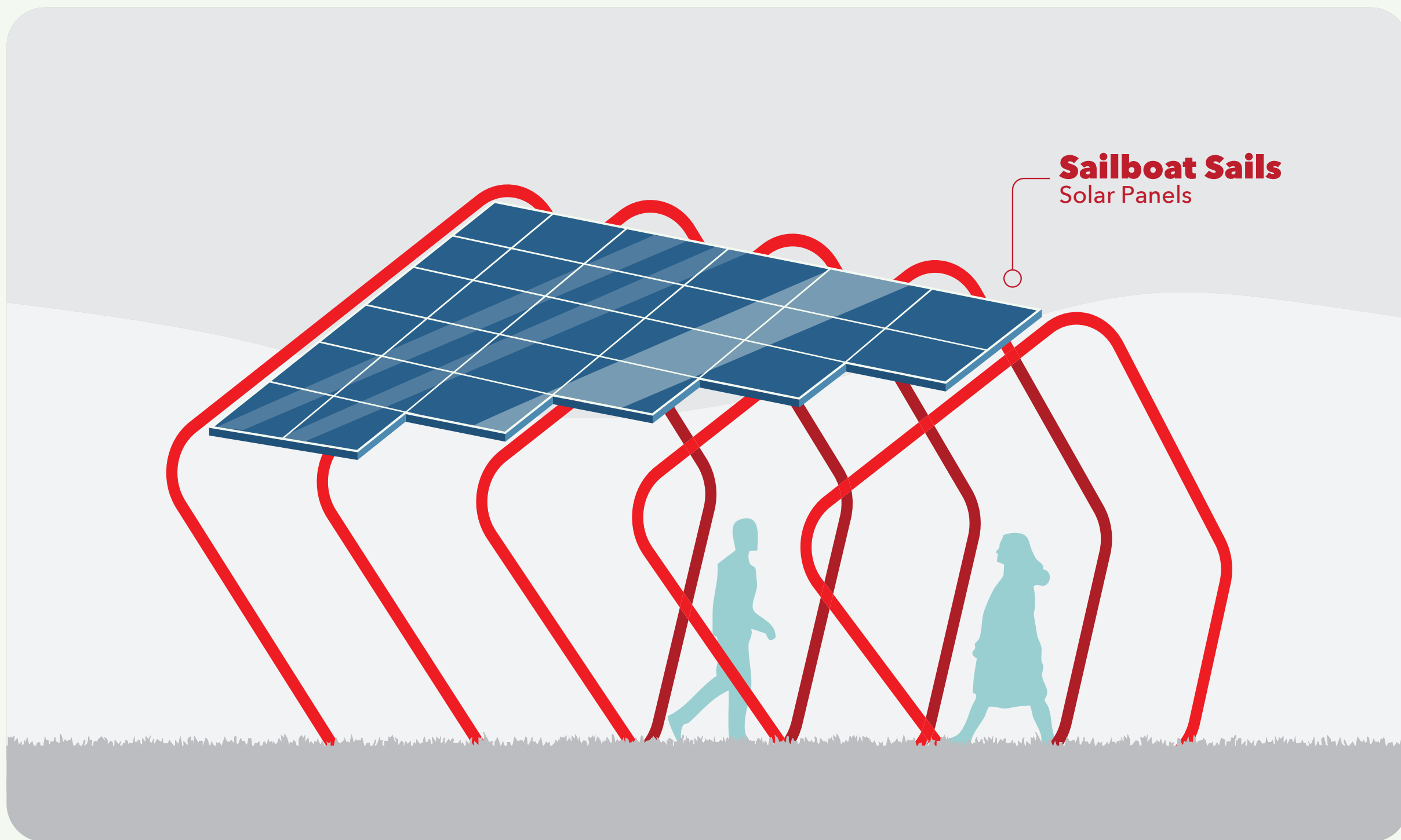
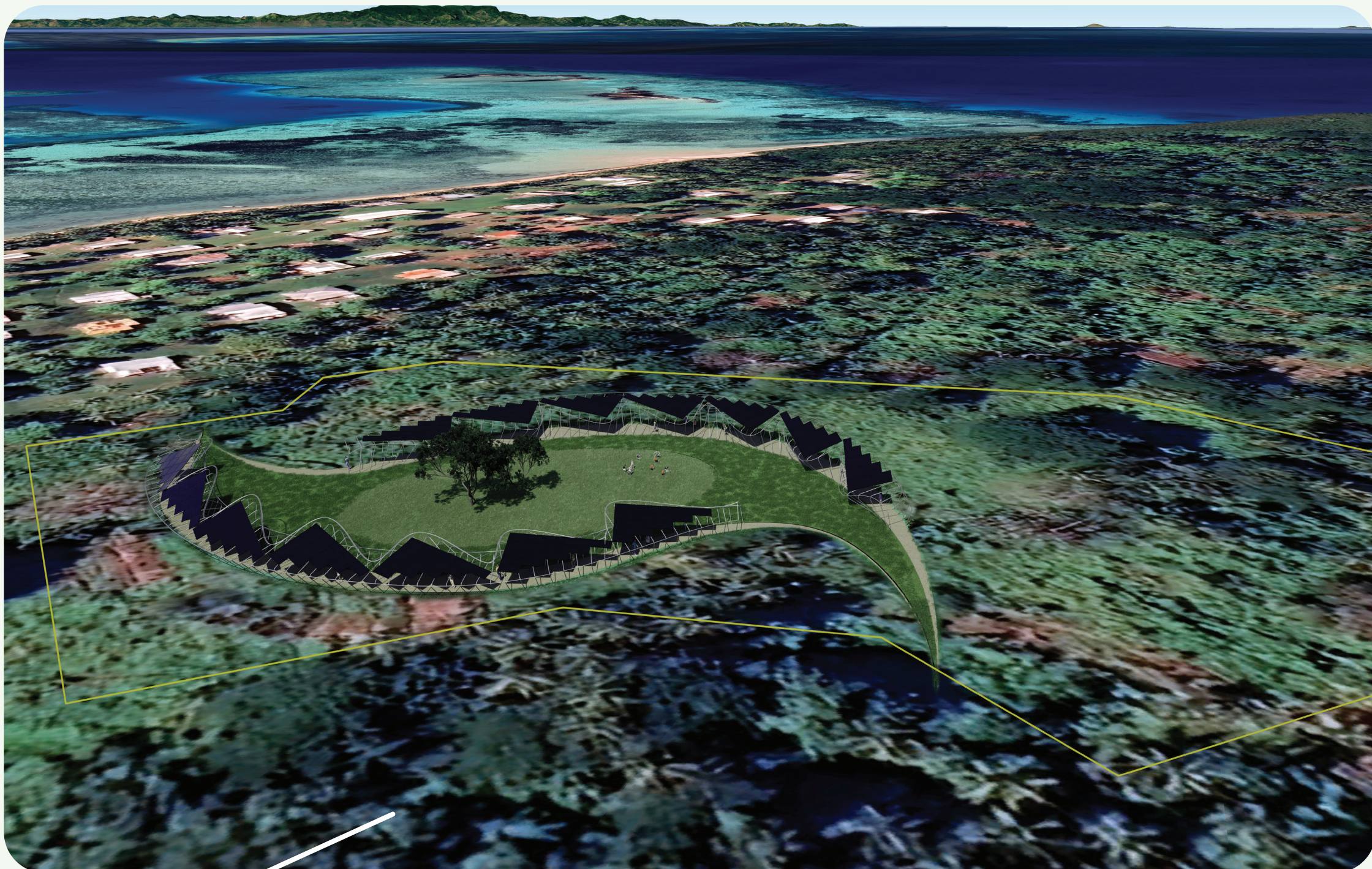


Solar Electricity Production: **471** kWh/day

Electricity Demand: **244** kWh/day

Battery Energy Storage: **120** kWh/day



## Modular Structure

Each sail becomes an independent module allowing for construction phasing and scalability. The structures are built and adapted locally, they are held to the ground by the filters, water tanks, and the dirt to cover them, giving them stability in case of storms and creating a path where people can enjoy and visit safely.

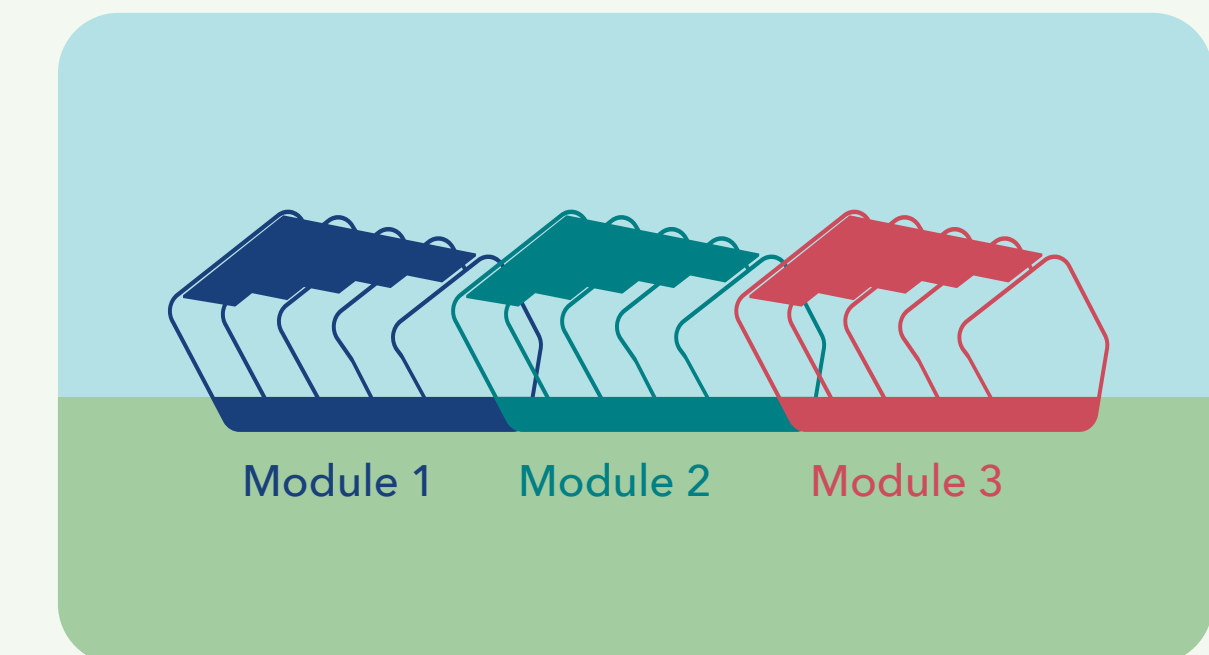
## Data

### Inputs

- Solar energy
- Precipitation (rainwater)

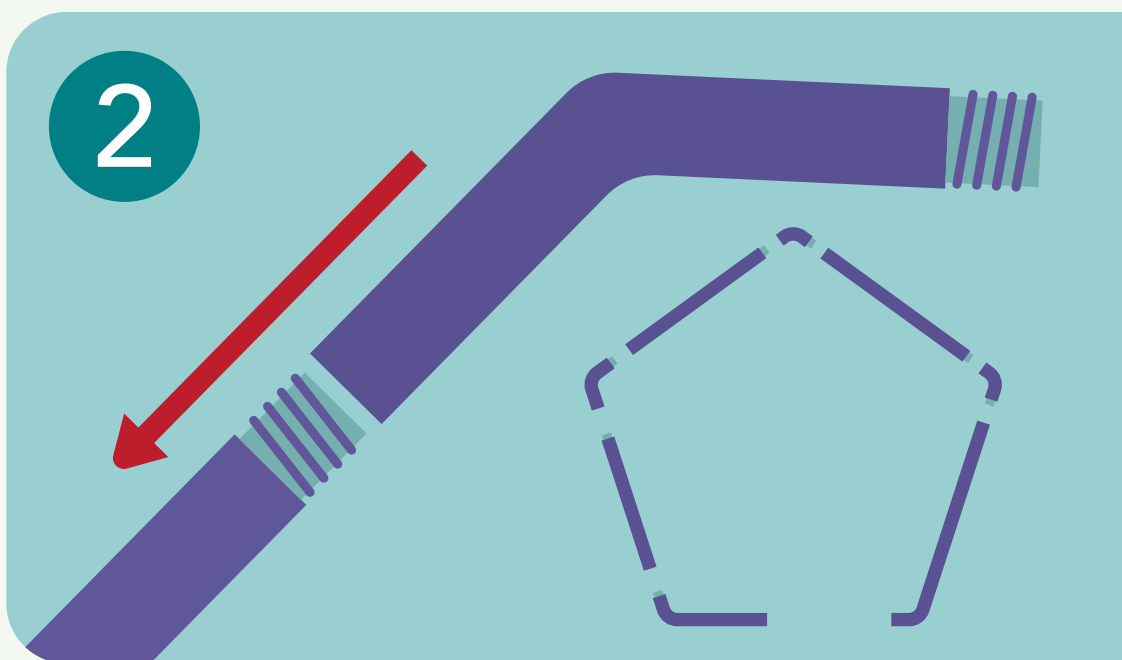
### Outputs

- 94 kW of electrical power capacity
- 120 kWh of battery storage
- Up to 100 m<sup>3</sup> of stored and filtered rainwater
- Up to 10 m<sup>3</sup> of potabilized water ready for consumption



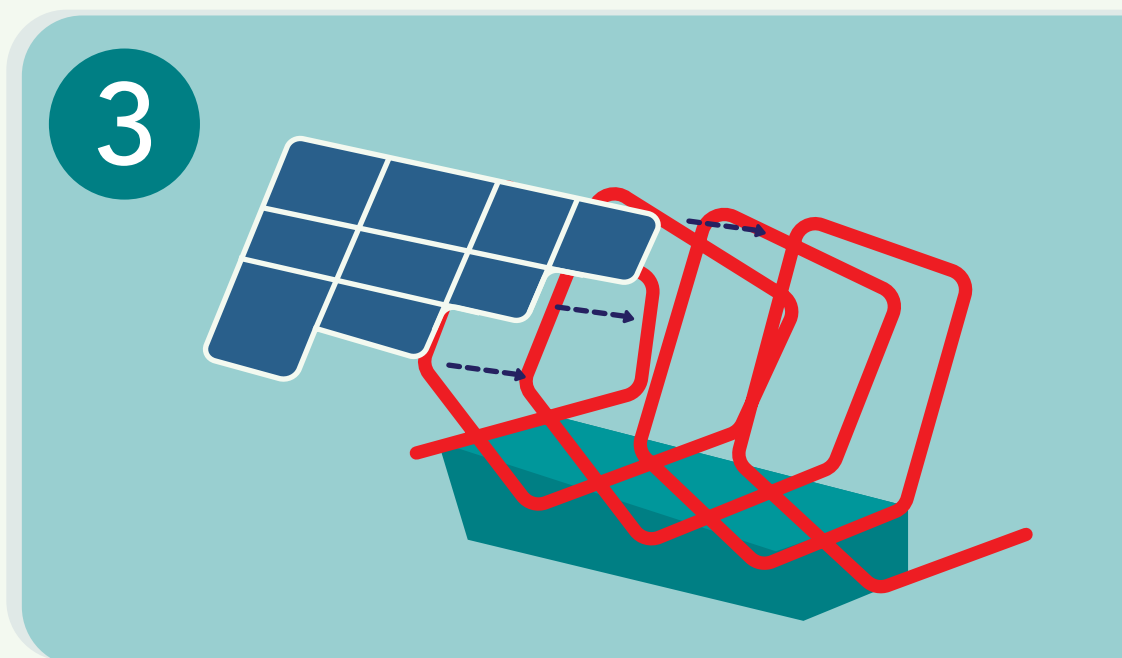
### Local Transportation

Materials for the construction of the piece can be easily transported in the different boats that currently serve the island



### Easy to Assemble

The galvanized 50mm metallic pipes that create the structure can be bent and cut with simple tools to create the shapes required for the piece.



### Spiral Continuous Structure

The structure is a continuous spiral that is stable during construction. Longitudinal pipes connecting the vertices of the pentagon and the solar panel support structure further stabilizes the piece.