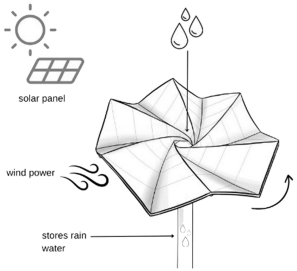
selsebil

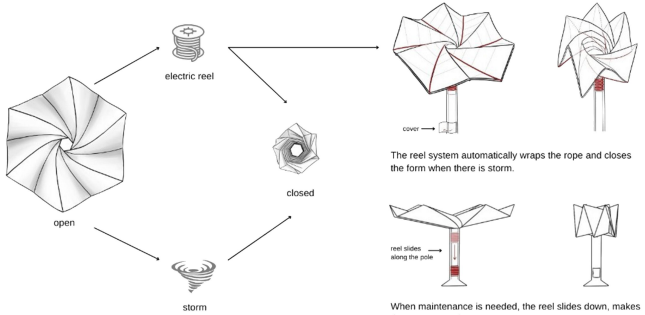
Selsebil is a hybrid public infrastructure that harmonizes solar, wind, and rainwater harvesting technologies within an adaptable landscape design. Inspired by the silent vitality of nature, the project generates clean energy, purifies water, and creates a shaded public space for learning, gathering, and rest.

Modular umbrella-like structures transform sunlight into electricity and wind into kinetic power, while also collecting rainwater that flows into reflective ponds. Water is purified through natural and advanced membrane systems, and energy is stored in batteries for continuous use.

Designed in collaboration with the Marou Village community, Selsebil is easy to maintain, cyclone-resilient, and built using locally sourced materials. Native plants support ecological balance, mosquito control, and biofiltration.

Rather than occupying nature, Selsebil becomes part of it — a poetic and practical model of regenerative design that is beautiful, inclusive, and replicable for island communities facing climate challenges.





The reel system automatically wraps the rope and closes the form when there is storm.

When maintenance is needed, the reel slides down, makes the process easier.