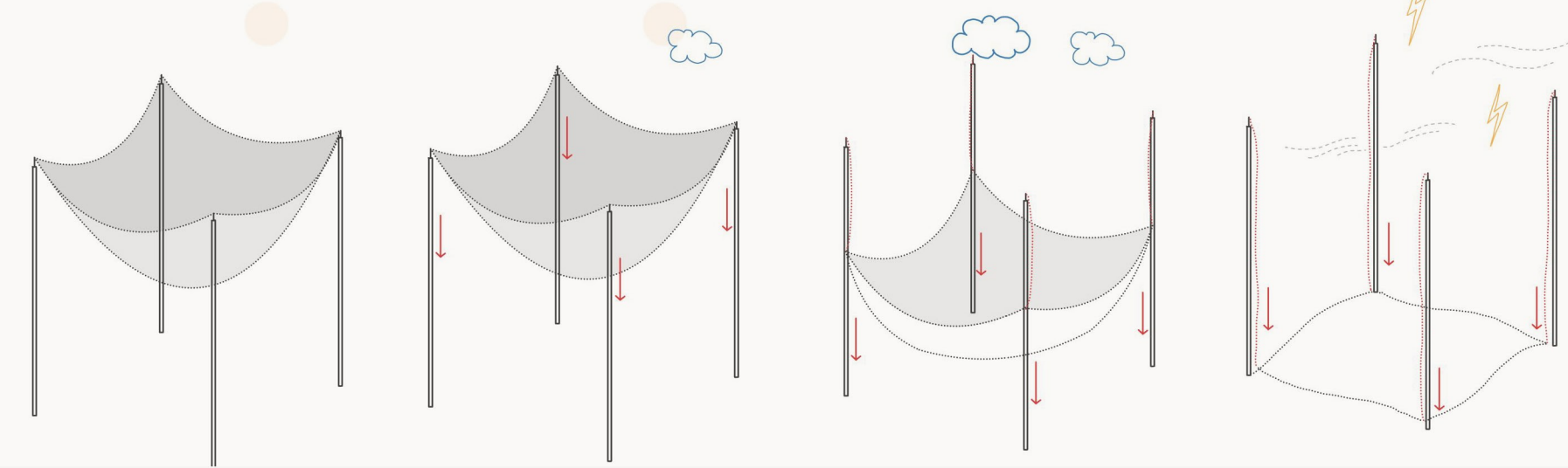


At the nodes of this modular grid, we placed bamboo columns fixed with ground screws. These ground screws eliminate the need for heavy foundations, reducing site disruption and allowing easy dismantling or repositioning. The bamboo poles themselves are lightweight and easily replaceable, offering a renewable material choice aligned with local craft knowledge. Shading within the grid is primarily provided by the semi-transparent BIPV panels, which offer around 20% protection from solar radiation. For community uses such as markets, workshops, or gatherings, this limited shade is supplemented by a secondary fabric layer—a woven canvas stretched beneath or around the panels to create a cooler, more comfortable environment.

A key feature of the system is its mobility and retractability. Much like fishing nets that can be drawn in and redeployed, our solar-net structure can be lowered in the event of cyclones or extreme weather, minimizing damage. This adaptability not only protects the infrastructure but also reflects traditional Fijian relationships with the environment—respectful, mobile, and responsive.

Overall, the project is a tribute to local resilience, ecological intelligence, and cultural continuity, wrapped in a forward-thinking energy strategy.



OPEN POSITION



CLOSED POSITION

