



KAUKAU VOLAU

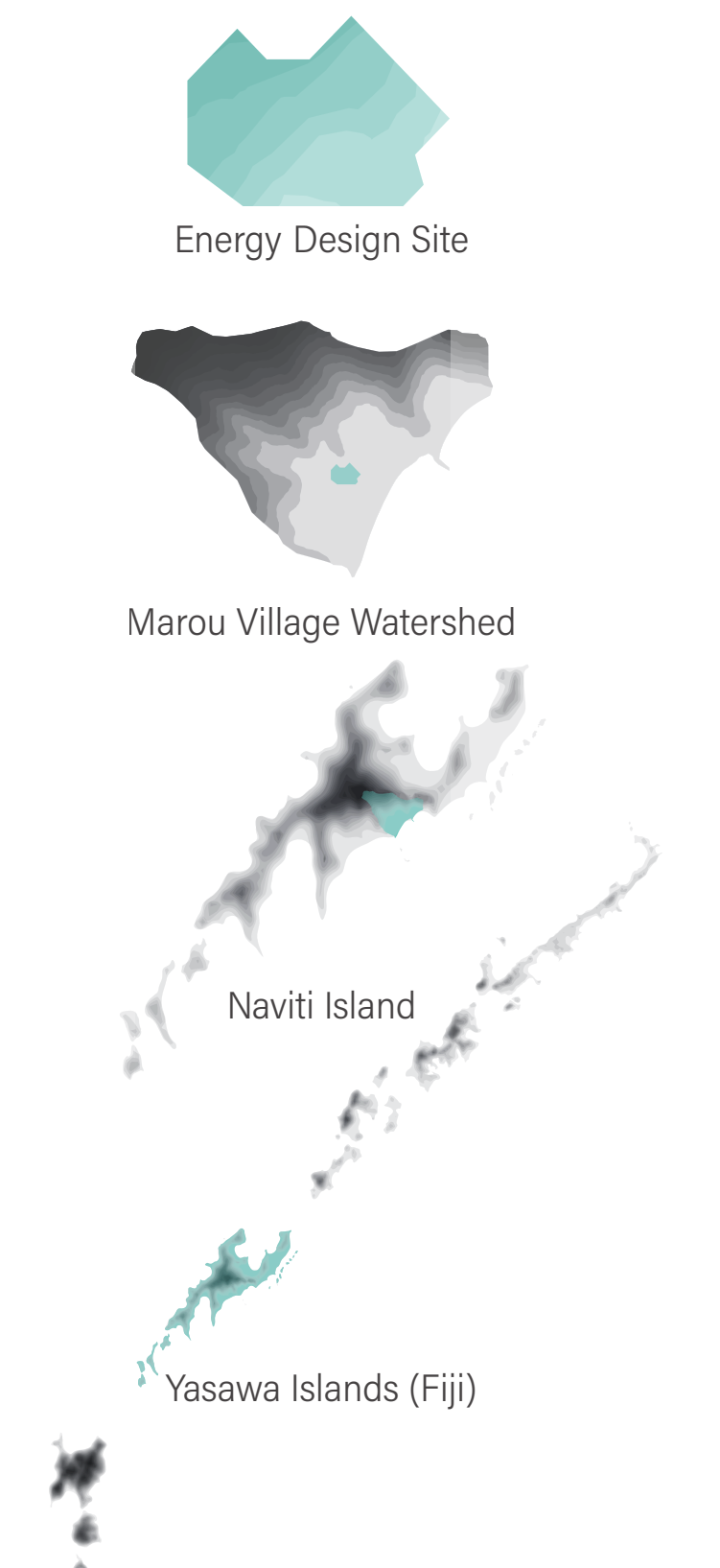
A POWERFUL JOURNEY

LAGI 2025 Marou Village, Fiji - Leveraging traditions for a sustainable future

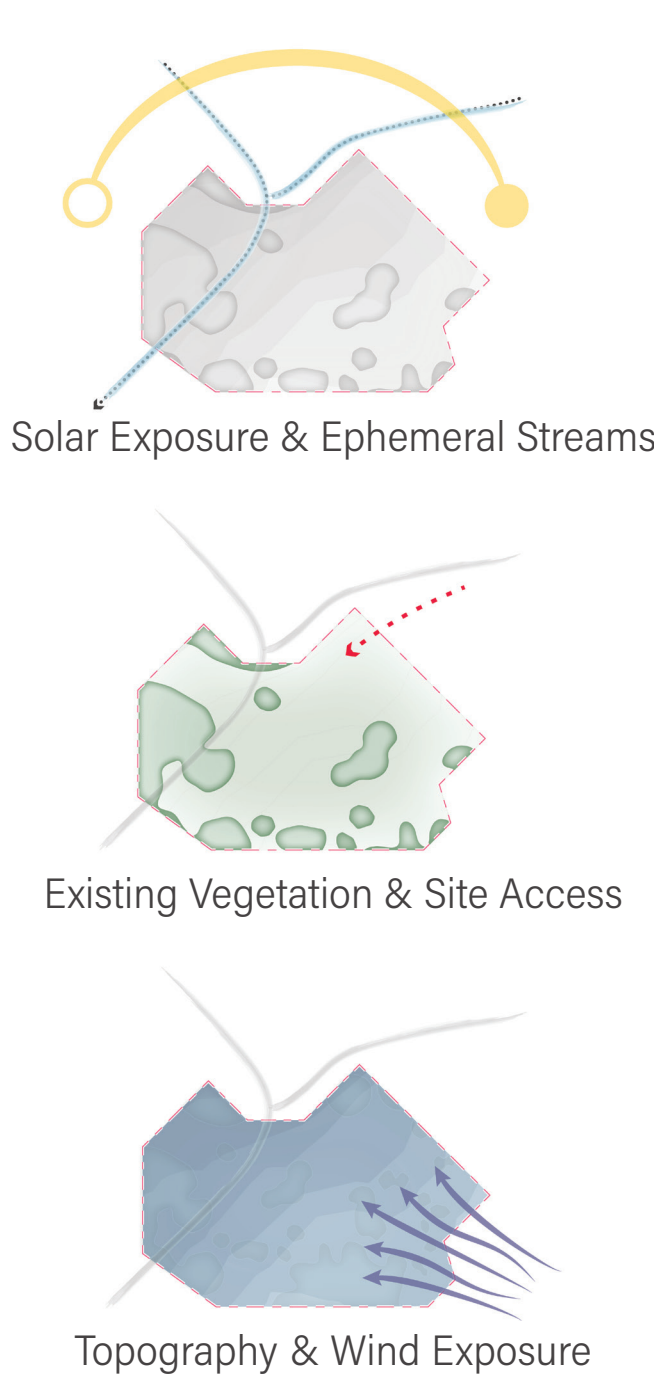
The aim of our design is to create energy and water systems that can help the community of Marou village adapt to the increasingly frequent climate challenges they face, be less dependent on external resources, and preserve a strong connection to their cultural heritage and traditional knowledge. We have set out to achieve this goal by developing integrated design solutions that, while respecting the island's natural context, generate renewable energy, harvest and filter rainwater, and create spaces for food production, recreation, and play. Kaukau Volau promotes a landscape that weaves together people, nature, and culture to achieve sustainability and resilience. Taking inspiration from iTaukei history and culture, our installations are meant to represent a collective journey towards a more sustainable future.

The solar photovoltaics or palmvoltaics are abstractions of coconut palms (*Cocos nucifera*), a tree highly present on Naviti island; the pavilions, which are to be built together with local community using traditional thatched housing (*bure*) methods and locally sourced materials, are abstractions of islands; the pathways connecting them and bearing traditional textile *masi* (*tapa*) patterns are abstractions of water and link the community's cultural heritage to ecosystem services; and lastly the engineered wetland system further embodies the significance of water as a source of life and community. Place-making and community building are key to a successful journey towards adaptable and resilient communities, thereby at the core of Kaukau Volau is the concept of *solesolevaki* as a means of working together, sharing knowledge, and ultimately reaching a new ecological trajectory that not only promotes connections among people, but also between communities and the natural environment in which they are nestled.

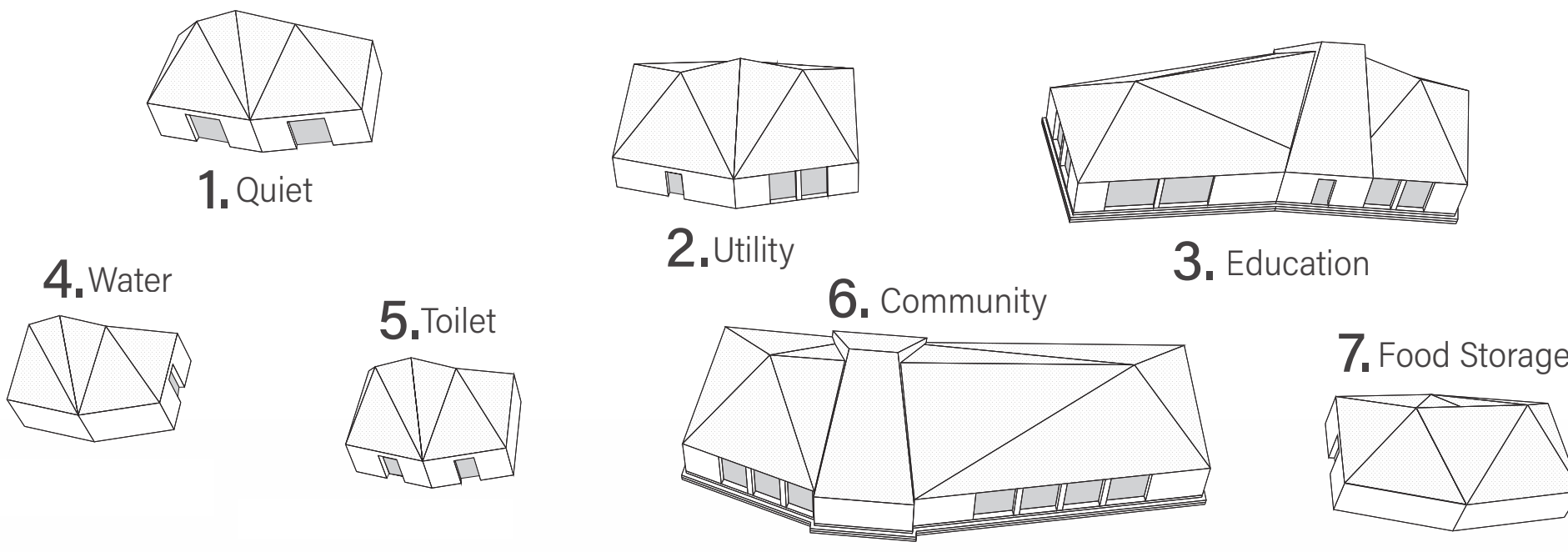
SITE CONTEXT



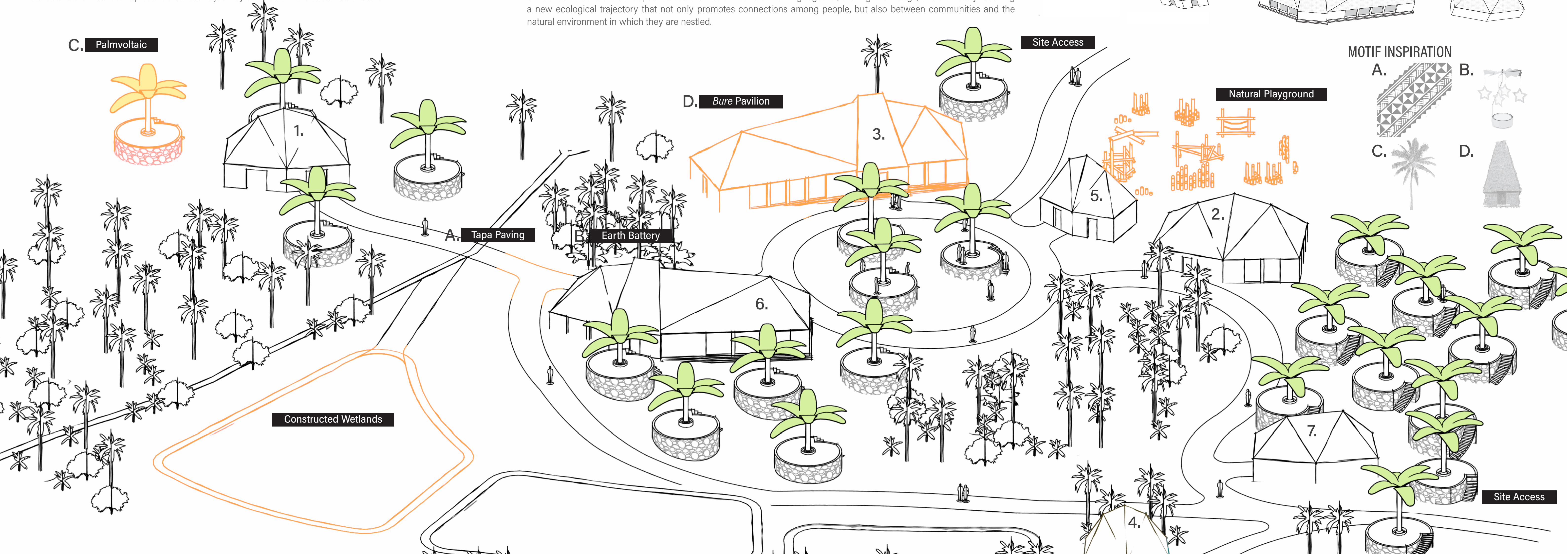
SITE CONDITIONS



NATURAL PLAYGROUND



C. Palmvoltaic



MOTIF INSPIRATION

