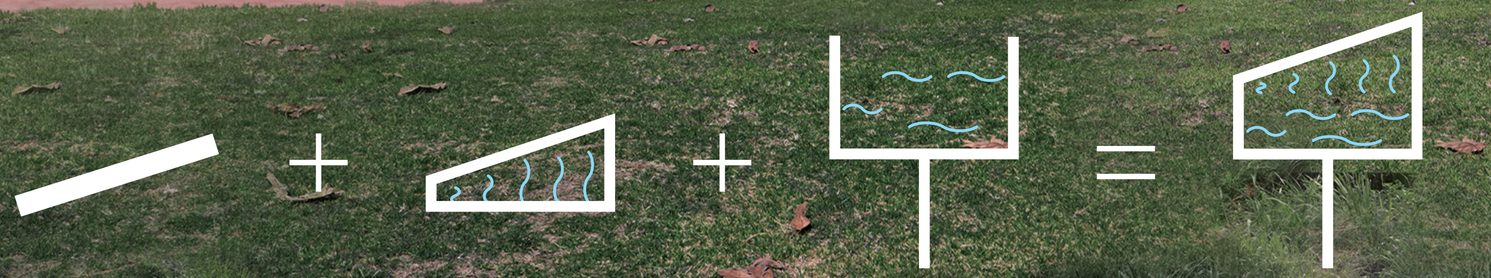
LAGI 2025 FIJI

LAND ART FOR A CHANGING CLIMATE

ENERGY FOREST

Naviti Island in Fiji faces meteorological issues like floods and typhoons, as well as water resource shortages during the dry season. To address the islanders' shortages of water and electricity and to mitigate the impacts of natural disasters, we have adopted an elevated aerial collection system. In this system, solar photovoltaic modules are placed on top to capture the maximum amount of sunlight for electricity generation. The elevated water tanks prevent the water source from contamination during floods. They supply the villagers with the clean water they need through the force of gravity. In this way, each module (hereinafter referred to as an "Energy Tree") generates electricity and provides clean water safely and efficiently.



PHOTOVOLTAIC 147,000 kWh/year

DISTILLER 327,000 L/year

WATER TOWER 542,470 L/year

ENERGY TREE 400 m²