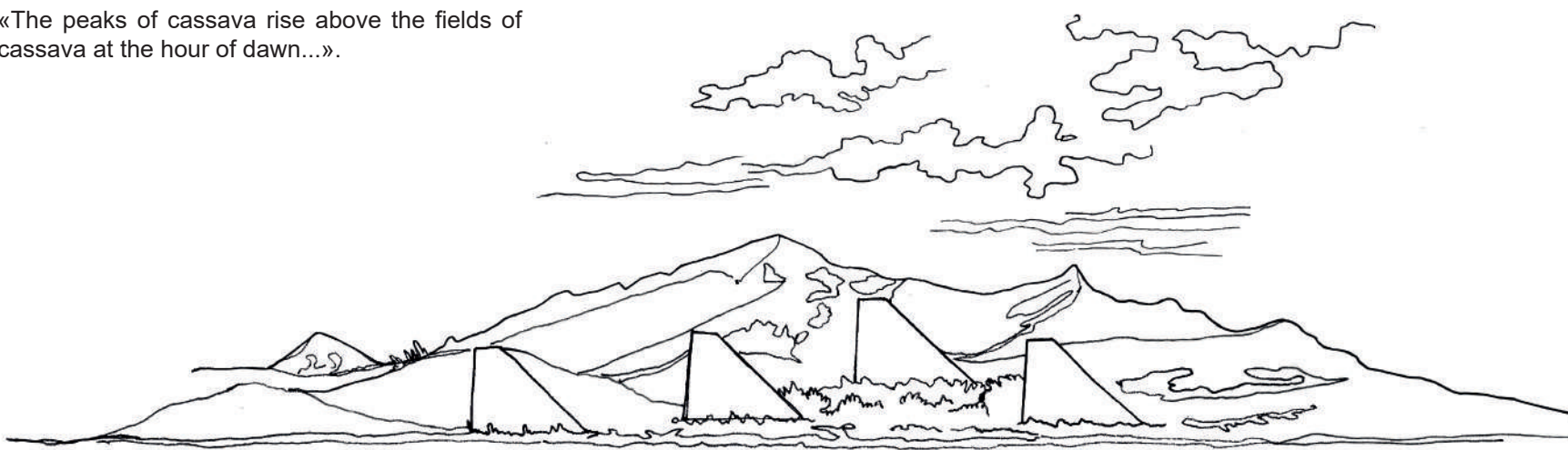


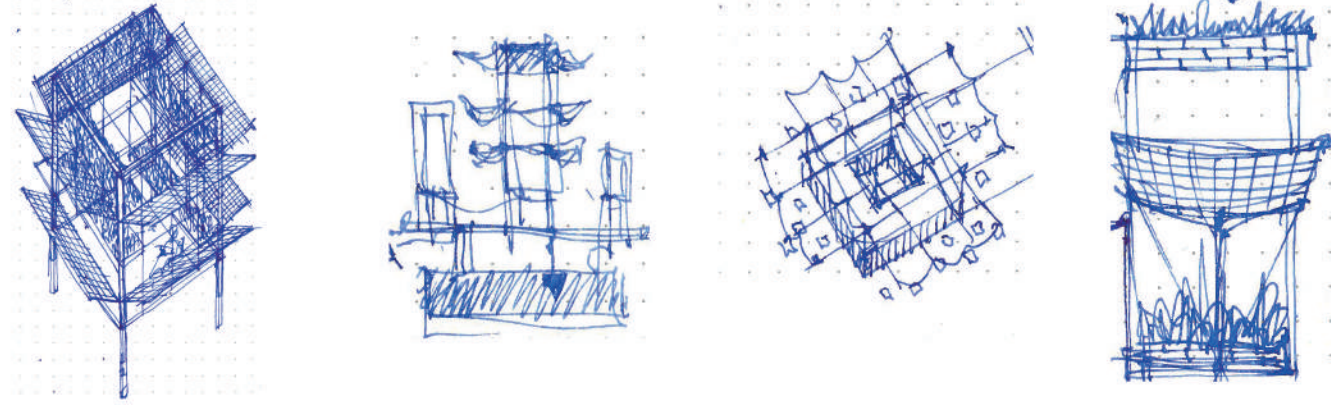
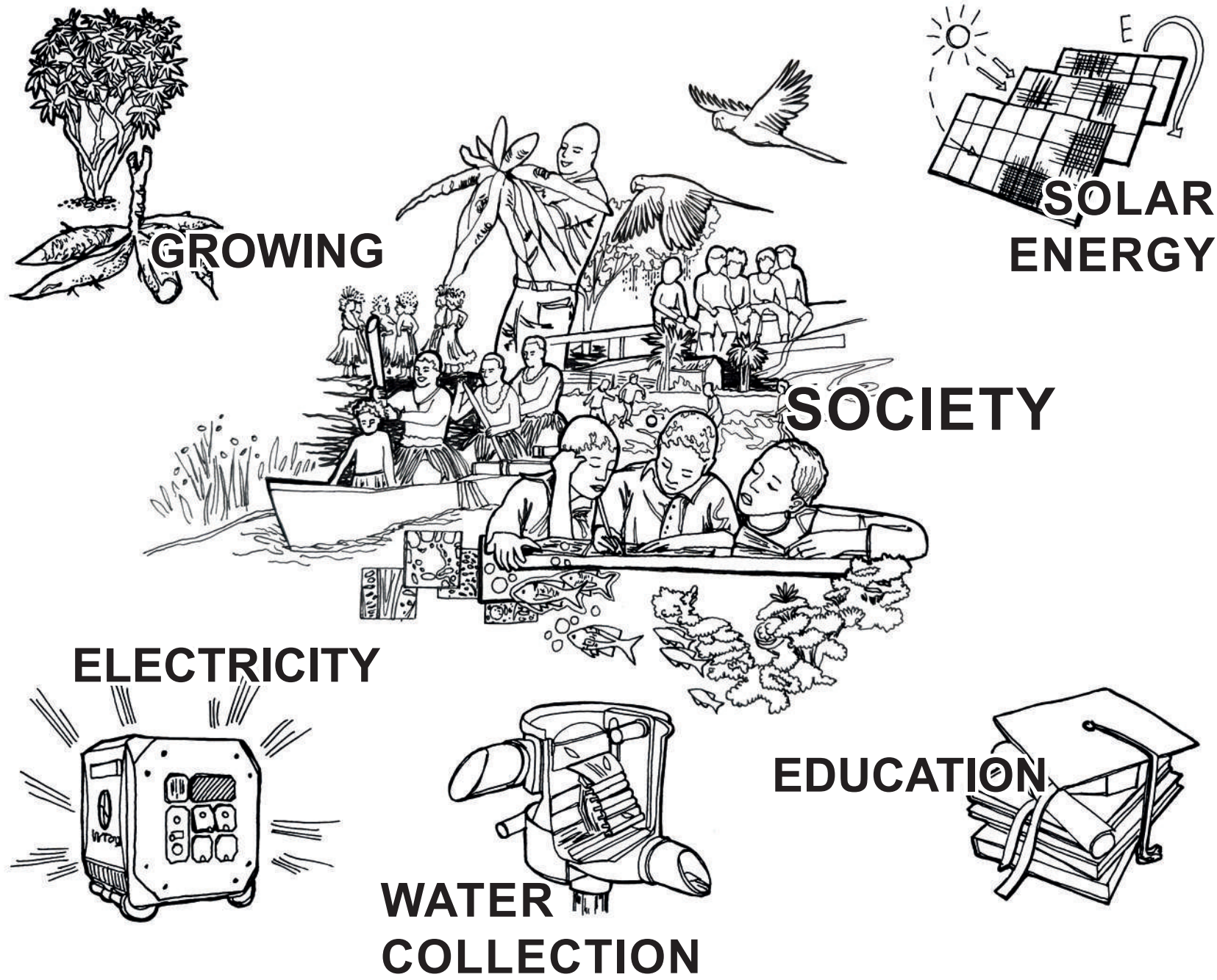


PRODUCTIVE PEAKS

«The peaks of cassava rise above the fields of cassava at the hour of dawn...».

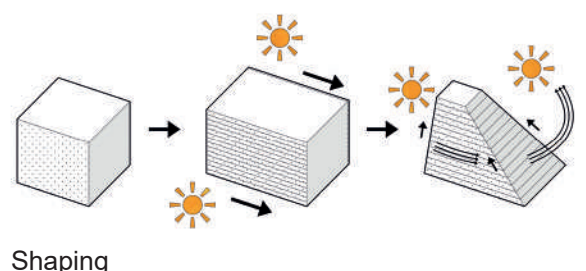
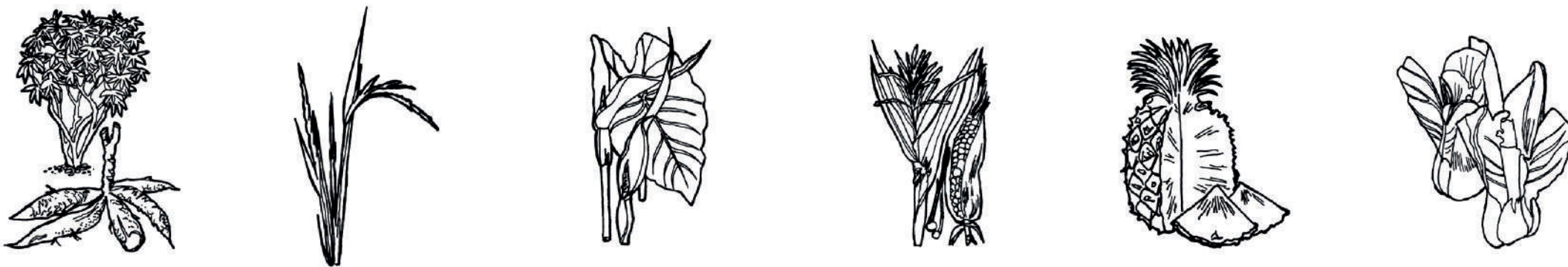


CONCEPT

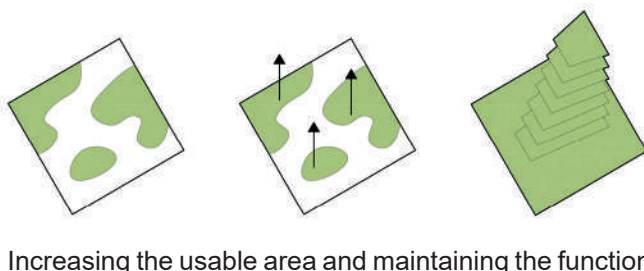


CONCEPT OF STATION

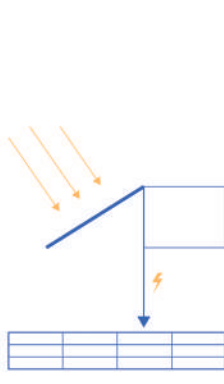
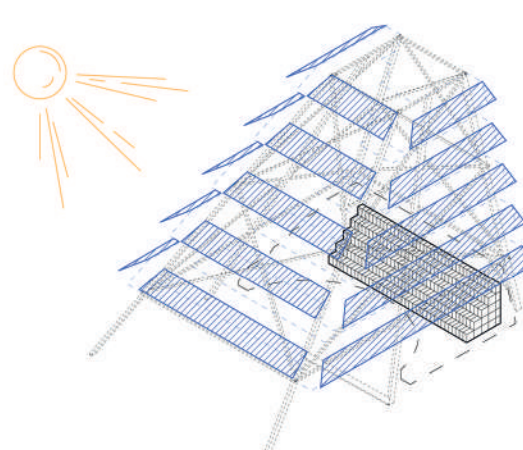
According to the analysis of local culture and lifestyle, the project suggests the cultivation of local edible crops in this area, such as: cassava, rice, taro, bok choy, sweet corn, pineapples. This space is also a place of attraction for the local community, providing a space for education, games and discussion.



Shaping  
The shape of the station is dictated by the movement of the sun and the image of the local landscape, represented by mountains covered with greenery. The station is elongated along the north-south axis to receive more solar energy. Additional energy is constantly being accumulated due to the tides. This system is connected to the system of our stations.

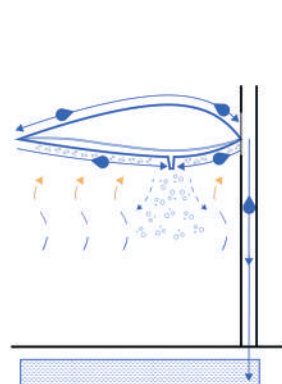
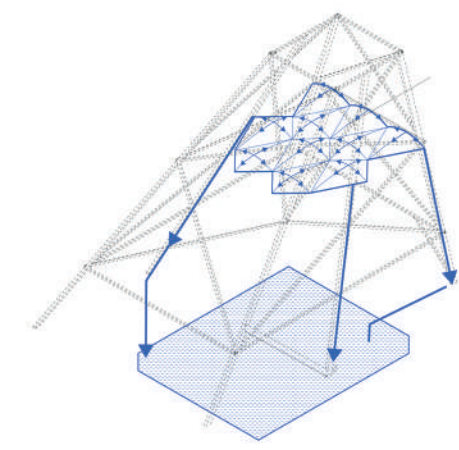


Increasing the usable area and maintaining the function  
The project offers a competent use of the area and location on the territory. The plants that used to grow on the station's territory are multiplied by the built-in vertical farm. Streams of water from the mountains are distributed throughout the territory to reduce soil leaching, provide moisture to the station and make it easier to collect it. The station is also an additional space for education, games and a meeting place for the local community.



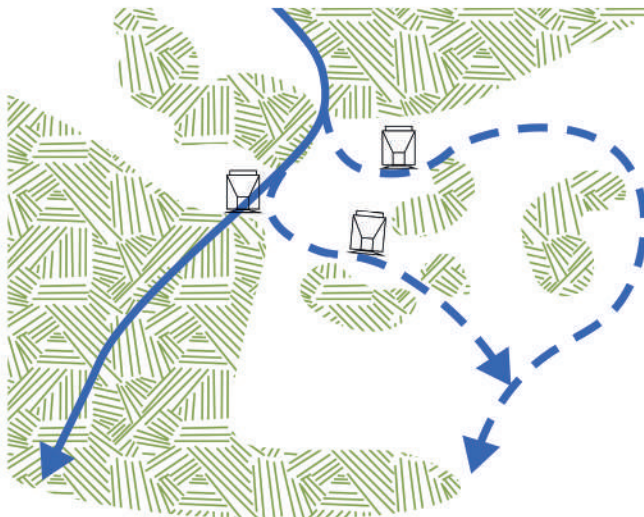
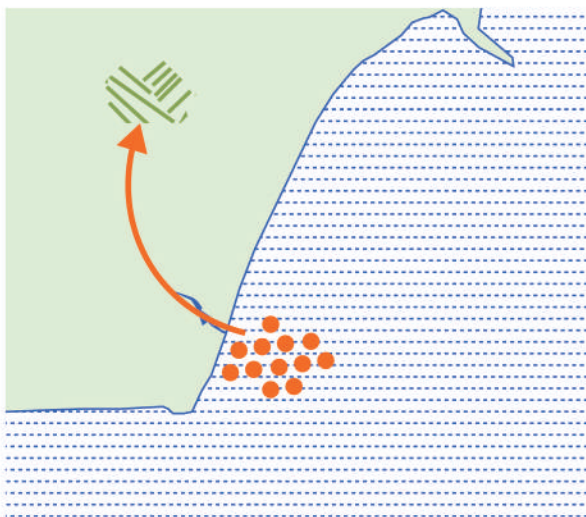
PHOTOVOLTAIC PANELS

The project provides for 150 m2 of solar panels for each of the stations. In a total of 450 m2, one station generates 84.38 kW of energy and stores it in accumulators located under the amphitheater. The solar panels are mounted on plant boxes and can be rotated by servo or manually

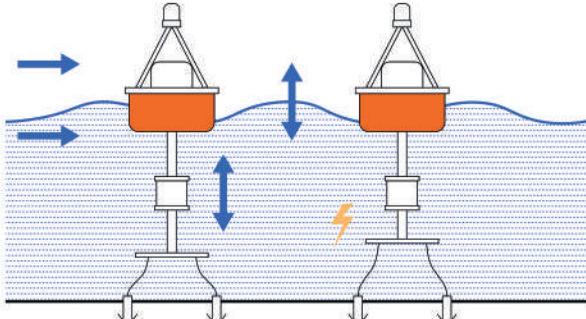


PNEUMO PILLOWS

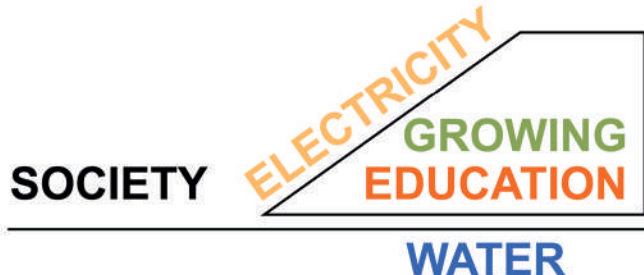
Pneumo pillows inside the frame hang over the amphitheater, saving people from the scorching sun. Pillows are also designed to collect moisture from the air and regulate humidity. Moisture is collected and transferred through a system of tubes through a frame to a water storage facility under the station.



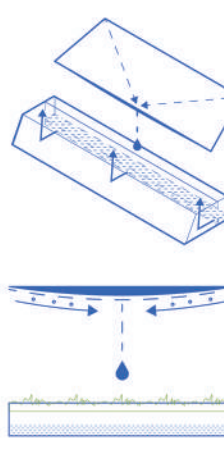
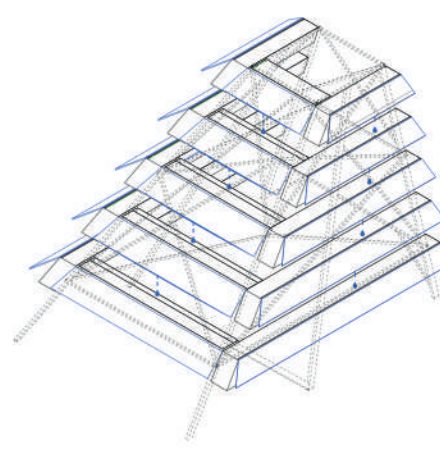
Scheme of the streams



Energy of waves

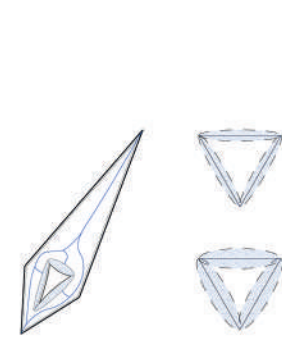
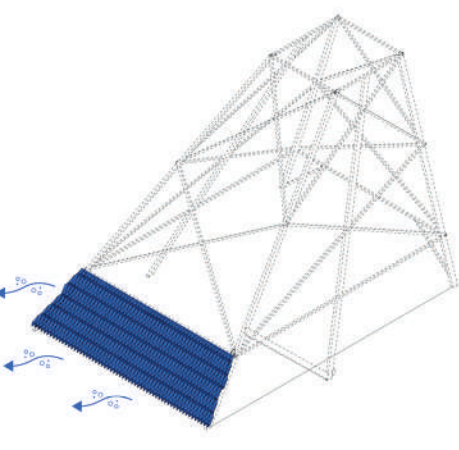


Functional program



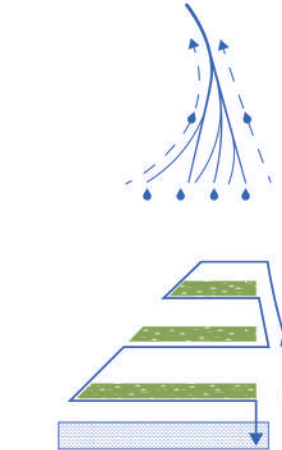
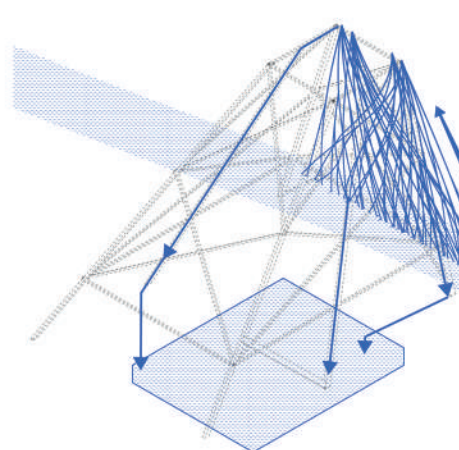
WATER COLLECTION

Solar panels not only generate electricity, but also collect moisture from the air and rain due to their convex back surface. The water collected in this way is collected in special compartments in plant boxes and then used in cultivation.



«BREATHABLE SKIN»

«Breathable skin» is a system that collects moisture during dew/fog. Sodium polyacrylate changes from a dry state to a swollen one, absorbing water, and then into an evaporation state that provides cooling. The system is modular. The shape was chosen based on the shape of the cassava leaves, which provides additional identity to the station.



CAPILLARY SYSTEM

The capillary system connected to the soil and streams is designed to provide additional moisture to plants and reduce the impact of streams on the soil, reducing its waterlogging, saving from floods. Excess water goes into storage underground