**LAGI 2025 Fiji Narrative Template
Concept Narrative**

Does the sun always shine brightly enough? Or will the wind on 27/7 rotate the blades of the station? Obviously, not. But we can provide such a variety of energy sources that could work effectively in different conditions.
This creates an «Energy Cohession» that can continuously provide residents with electricity and clean water. The basis is the modularity of all elements, which makes it possible to scale the solution depending on financial capabilities.

Each element is made from as accessible materials as possible, and only technically complex elements are manufactured at the factory. The installation of the entire system is also cost-free and possible with minimal construction equipment.

Energy extraction can be not only utilitarian, but also useful for society: children can learn mechanisms by playing on playgrounds; walking trails and even a square are formed among the «water umbrellas». Also, cultivation can help in purifying water, while yielding a harvest and providing jobs for villagers.

A well-developed water and energy storage system is very important, so the center of the system is a large tank for storing water collected during the rainy season, which can be used in droughts.

**Technical Narrative**

We use wind turbines, devices that condense water from the air, installations that collect rainwater, solar panels and kinetic installations. Such a wide range of devices ensures stable energy production and clean drinking water almost all year round, every day.

The entire presented complex generates about 657,000 kW per year.

Energy is generated from sunlight, wind energy, and kinetic energy acting on machinery. The output is about 150,000 watts per hour during daylight hours. Also, due to the collection of water and the natural purification system, villagers always have access to clean water.

**Prototyping and Pilot Implementation Statement**

The prototype will require collaboration with manufacturers of solar panels, wind generation systems, and the local community too. Our project involves the maximum involvement of local simple materials and craftsmen for the assembly and operation of installations. The framework for the installations, the installation process itself is entrusted to the local community and is determined by its needs and the specifics of the area.

**Operations and Maintenance Statement**

The processes of energy generation and water collection are completely autonomous and will only require repairs due to wear and tear of installations or damage from natural disasters. Local residents can regulate the amount of water supplied, which accumulates in the main storage. The project also provides for growing both in water and classical cultivation of land crops.

The entire space between the installations is designed to maximize the use of the local community for recreation and events. A large kinetic playground teaches children mechanical thinking and helps them generate more energy.

**Environmental Impact Assessment**

The project solves the problem of alternating rainy and drought seasons. During the rainy season, streams of water form from the mountains, threatening the integrity of the village and destroying plants. And in the dry season, the accumulated water ensures stable cultivation of the necessary crops. In the future, several large water storage facilities can be installed and the accumulated water can be effectively used for local flora.

Also, a minimum of new materials is used in the manufacture of installations and the reuse of metal and plastic is encouraged. Wood and natural twine are some of the prevailing materials.