

BLUE ECONOMY ISLAS

WASTE MANAGEMENT & ENERGY AUTONOMY



EXECUTIVE SUMMARY TOWARD THE BLUE ECONOMY



VISION

Blue Economy uses local resources to generate value added to respond to the needs of the people while restoring the natural habitat permitting nature to continue its evolutionary path.

MISSION

Blue Economy Islas is a project developed by Planetsolar, a Swiss Company, and dedicated to improve the quality of life of the Rapa Nui (Easter Island population), achieve their energy autonomy. Our team of experts is fully dedicated to making the Blue Economy Concept a reality and converting this into the prime case of how remote islands like Easter Island can pioneer and scale innovations in sustainable water and power management.

STRONG PARTNERS



UNIQUE PROJECT

3D ADVANTAGES

- 1 **Convert waste** into a resource
→ solve the problem of waste
- 2 **100% autonomy** in energy and additional drinking water
- 3 Generate value **creating jobs** and **improving the quality of life**

BLUE ECONOMY CONCEPT

- Introduce proven technologies to **substitute fuel**
- **Produce power and gas converting 88%** of solid municipal waste and **produce 100% electricity and gas** on Rapa Nui
- This generates a minimum of **90 jobs**
- Price competitive while securing **stable long term costing** for the local consumers

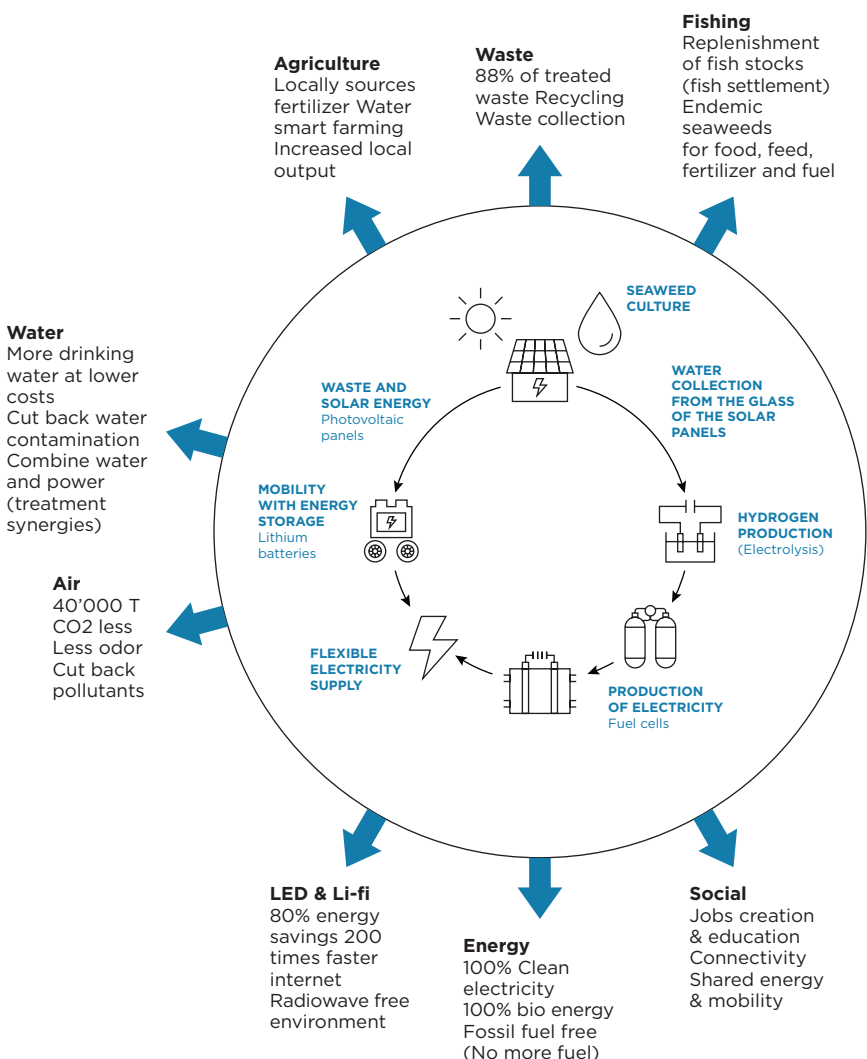
100% PROVEN TECHNOLOGIES

- This energy strategy has a multiplier effect, improves purchasing power and has been proven (El Hierro, Canary Islands, Spain)
- Biogreen technology converts waste to energy
- Highly efficient solar power
- Mobility & grid management with smart battery storage
- Hydrogen storage a lot more efficient than batteries
- Power back up with wind through sails
- The installation of LED equipped with internet over existing indoor private and public outdoor light



CLEAR OBJECTIVE & PROFITABLE INVESTMENTS

- **100% of power autonomy & additional drinking water** on the Easter Island by 2020
- **60 mio** of investment capital
- **Profitable project in 8,7 years**
- **12,4% Return On Investment**



WHY IS BLUE ECONOMY ISLAS SUCCESSFUL?

- **100% renewable energy** replacing all fossil fuel, reducing risks and stabilizing processes
- **100% self-sufficient** in power thanks to a mix of technologies using local resources deploying solar, plastic-to-fuel, seaweed-to-gas, wind-to-power with kites, and back-up storage with hydrogen
- **100% value added in the local economy** (after amortization of investment) generating jobs, causing a multiplier effect in the local economy
- **World's First on Hydrogen**
Race4water around the world has proven that hydrogen storage is a lot more efficient than batteries. If it can be done on a boat, it can be done on an island with this modular technology
- **Respond to People's Needs**
When an economic and energy plan first and foremost responds to the needs of the local communities, it builds and gains the trust of the islanders