

EWA Farm

ENERGY +

Self-sufficient hybrid microgrid, 100% renewable.

WATER +

Optimised water collection and management.

AGROFORESTRY

Regenerative and protective agriculture to promote biodiversity.

CREATION OF SUSTAINABLE, INCLUSIVE AND RESILIENT COMMUNITIES IN THE FACE OF CLIMATE CHANGE AND HEALTH CRISES.

Let's act together for a viable future



CONTEXT

Isolated rural populations are the most vulnerable to climate change. 1,2 billion people do not have access to energy, of which 50% live on the African continent; The demography of this continent will double in the next 15 years;

The fight against poverty has to be part of the objectives of fighting global warming, which assumes:

- giving priority to energy sources with extremely “low” carbon footprints;
- an intelligent use of water;
- to develop food self-sufficiency through short circuits, providing a positive impact on biodiversity;
- to develop local access to knowledge, promoting the emergence of a resilient economy.

CHALLENGE

How can isolated rural communities develop whilst taking into consideration the goals of fighting global warming and the protection of biodiversity?

SOLUTION

The EWA farm project responds to the challenges of empowering communities in isolated rural areas while participating in the protection of ecosystems. The EWA farm project promises to be a model in financial, social and environmental terms. Developing food self-sufficiency through short circuits, providing a positive impact on biodiversity; Developing local access to knowledge, promoting the emergence of a resilient economy.

WHAT WE DO ?

We are creating eco villages in areas that meet the conditions needed to achieve autonomy, energy, water and food.

An EWA farm adopted a social business vision operating an electricity production unit (100% renewable, favouring mini off grid hybrid combining hydro with intermittent solutions like PV), for its own needs, and for those of local populations and businesses, integrating a set of innovative technologies ensuring a frugal and high-quality lifestyle in terms of access to basic goods and services.

A set of legal, financial, accounting and technical services will ensure the viability of operations in line or/ in parallel with its financial objectives and its impact on people and environment.





LET'S ACT TOGETHER FOR A VIABLE FUTURE

"The world will not be destroyed by those who do evil, but by those who watch them without doing anything."

– ALBERT EINSTEIN

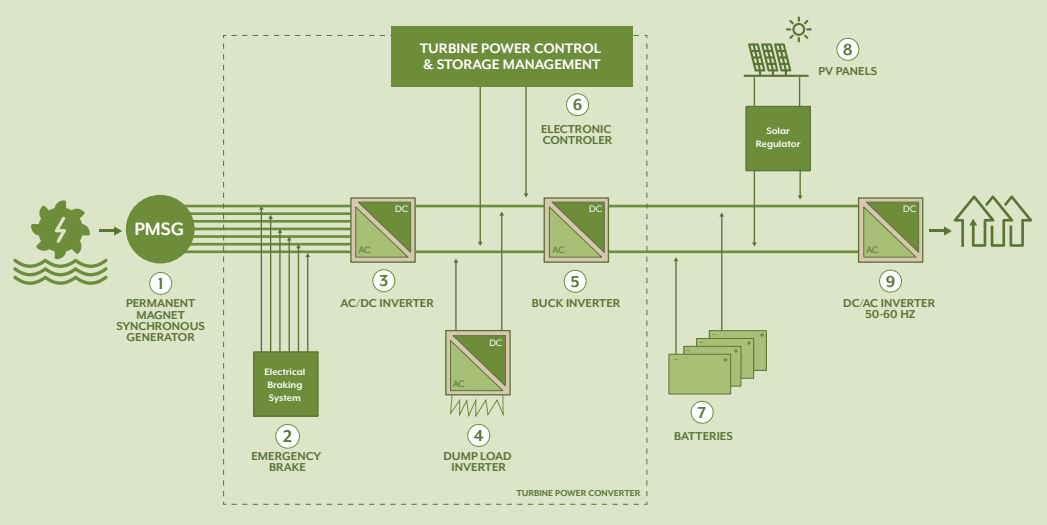
Energy

100% RENEWABLE

We adapt installed power according to the size of the operational needs and local consumer profiles (households, businesses, public services).

We prefer to achieve autonomy in energy from a hydroelectric source with mini hydro power plants and / or hydro-kinetic mini turbines for seas and rivers.

Typical diagram of the EWA Farm hybrid microgrid



Water

IRRIGATION

By relying on our own telecommunications network, our agricultural activity incorporates a smart irrigation management system that provide variable irrigation depending -in particular- on soil and weather data, which makes it possible to set up a personalized irrigation adapted to plants and growing conditions.

Such systems make it possible to improve the comfort of the operator, making it possible to bring the ideal amount of water to crops, and above all avoid waste.

Sourcing work has been done integrate complementary technologies into our irrigation system such as solar pumps which make it possible to tap into aquifers or rivers.



Water

DRINKING WATER

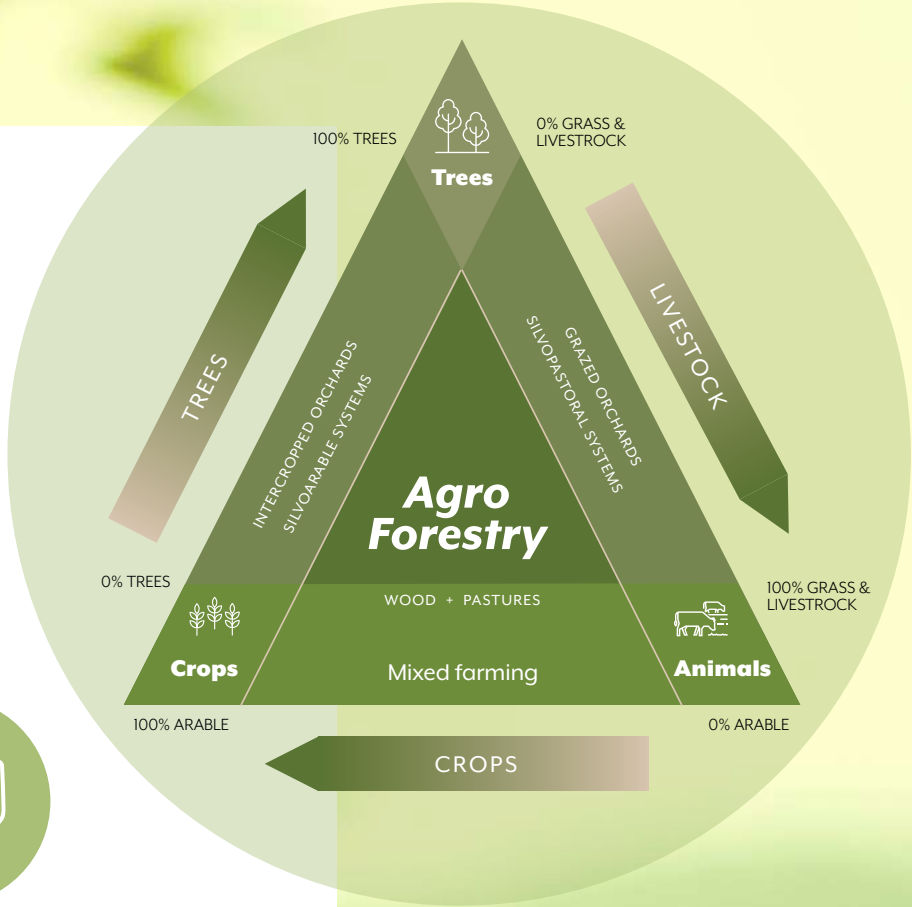
We supply a high quality of drinking water to the Eco Village EWA FARM and we provide access to drinking water to the neighbouring villagers with a social business approach. We have selected a technology that transforms the ambient air into fresh water, thanks to the special, exclusive and environmentally friendly treatment of condensation that extracts moisture from ambient air.



This new type of water is called atmospheric water and has nothing to do with all other types existing water, including rainwater. This source of air, a unique and unlimited raw material used by our Eco Village, prevents depletion of oceans, lakes, rivers and groundwater resources.

Agroforestry

Agroforestry is a production method that favours interactions between different plant and animal species. Its advantages:



In terms of
AGRICULTURE
diversification of activities, protective role of trees (windbreak, sun and rain shelter), soil fixation, stimulation of the microfauna / microflora / auxiliary fauna in yields.

In terms of
FORESTRY
acceleration of tree growth, improvement, creation of an asset promoting the agricultural unit.

In terms of the
ENVIRONMENT
better valuation of natural resources, soil and water protection, soil regeneration, factor in the fight against the greenhouse effect by capturing CO2, stimulation of biodiversity.



Business Model

We set up a worldwide network of EWA FARM ‘s eco villages.

Each whole Eco Village generates few sources of incomes (energy, water, real estate, organic fruits and vegetables, herbs, spices for export.

Agricultural receipts and those from the sale of energy/water will cover OPEX including repayment of debts and loans over 10 and 20 years.

Our predicted financial result includes the valuation of social and environmental impacts thanks to a triple bottom line accounting organization and adherence/ or commitment to the standard ISO 26 000. Delivering these public goods and positive externalities will give right to ESG funds.

Financial Forecast

The project is profitable in Year 8 when the farm reaches its full production. During the 20 first years of full production, IRR reaches 17%.

Interest rate: 5% forecasted; Principal repayment in year 3

A sustainable investment that favours up to 20 000 people providing them with high quality fresh water, food and renewable energy

A financially viable model with large positive impact



Social Impact

DIRECT IMPACTS

» access to electrical energy for around 1,000 households, or 5,000 people;

» food security: 20 % of the agricultural area (40 000 m2) provides basic food and water needs to the local population;

» creation of 100 jobs per farm;

» average remuneration 2 x higher than the average level of the country;

» investment of 30 % of the profits in educational and social projects.

INDIRECT IMPACTS

» improvement of information conditions (radio, TV, Internet);

» improved food storage conditions;

» improvement of public health

» improvement of the conditions for dissemination of knowledge (studies at nightfall / lighting);

» better birth control;

» better quality of public services benefiting from access to electricity (schools, school canteens, town hall...)





Environmental Impact

DIRECT IMPACTS

» reduction of CO2 emissions;

» soil regeneration, limitation of nitrogen leakage;

» Reforestation.

INDIRECT IMPACTS

» development of fauna (insects, animals) - preservation of biodiversity;

» carbon storage;

» improvement of soil structure (root nets);

» protection against rising temperatures (shading).



Sustainable model for the countryside



Intelligent value chain design



Reforestation & carbon storage



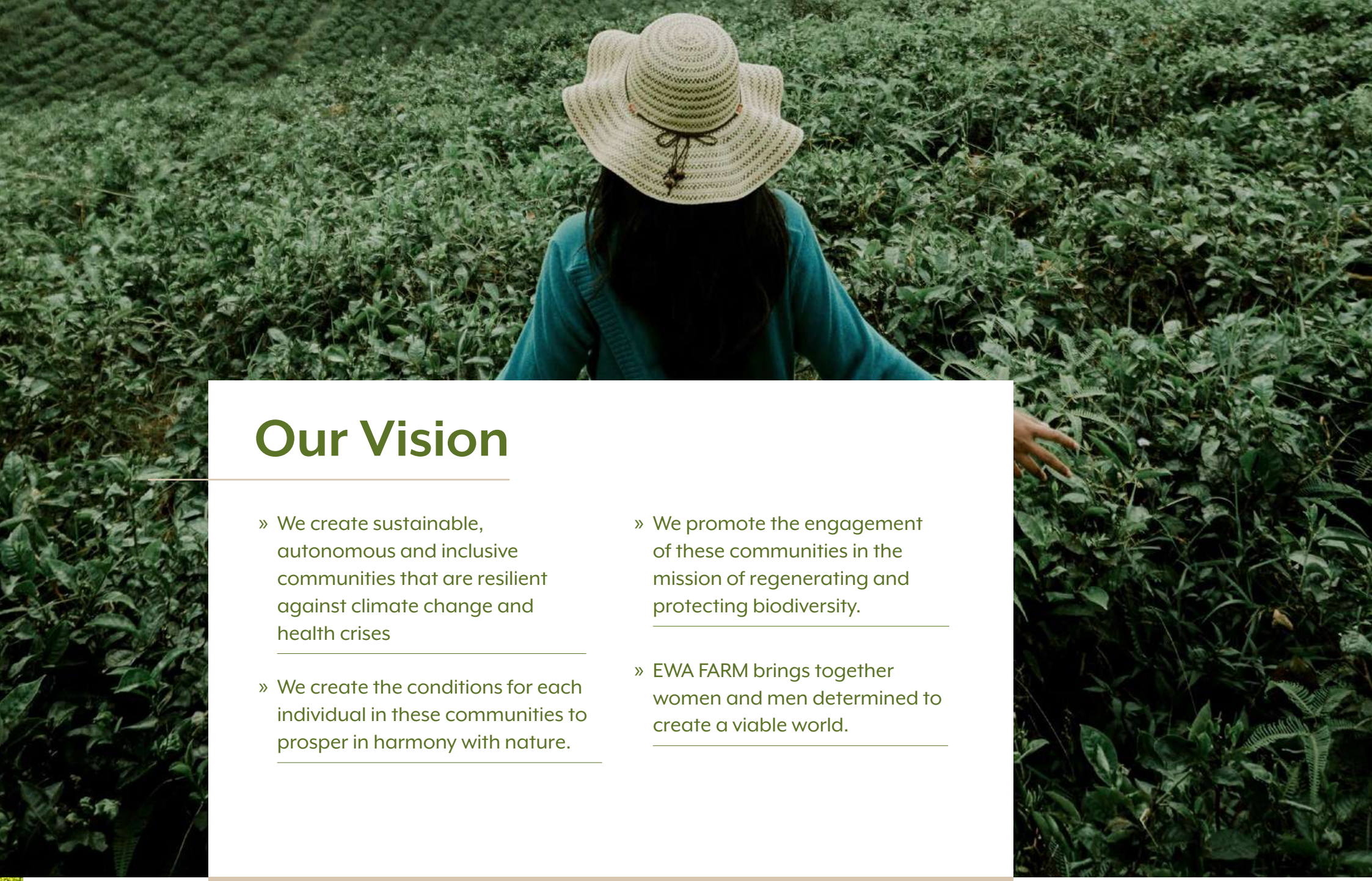
Improved water systems



Improved biodiversity



Improved biodiversity



Our Vision

» We create sustainable, autonomous and inclusive communities that are resilient against climate change and health crises

» We create the conditions for each individual in these communities to prosper in harmony with nature.

» We promote the engagement of these communities in the mission of regenerating and protecting biodiversity.

» EWA FARM brings together women and men determined to create a viable world.

Timeline Plan

- 2023/2024 : Country and site selection, securing the legal environment
- 2024 : 1st fundraising combining equity, loan and grant - funding for the pre-project engineering phase
- 2025 : Delivery of all technical, economic and impact studies, validation of the final project by all stakeholders, fundraising campaign and start of work on the 1st village
- 2026/2027 : Commissioning of the 1st EWA Farm eco village
- 2028/2030 : Supply of raw materials from local small producers, 2028 1st fiscal year with volume of business
- From 2030, doubling of manufacturing activities with the contribution of our own agricultural production which is added to external supplies



The Team

Louis BISSON (founder)

- Business developer / lawyer, 20 years of experience (sales direction) Co-founder of the cleantech Blue Shark Power (www.bluesharkpower.eu) – CEO & Managing director

Emilie BARRUCAND

Anthropologist, graduate of the Ecole des Hautes Etudes en Sciences Sociales

Expert consultant in strategy and projects with social and environmental impacts.

Project management and impact studies. Director of community relations

Jérôme FRANCOIS

- IAE Caen Accounting and Finance, management control and information system
- 12 years of experience in business administration (Nespresso, Schneider Electric) – Financial director

Domenico COIRO

- Director of the Department of Industrial Engineering, Aerospace Section, University of Naples Federico II.
- Specialist in converting the force of sea and river currents into electricity;
- Fluid physics specialist. Management advisor

Patrice LLAVADOR

- Architect + 20 years of experience in the hotel industry, Management of the real estate division & co-Management of the Utilities & Infrastructures division

Henri BOYE

- Consultant • Engineer - Polytechnician X / Mines
- More than 40 years spent developing projects in the electrical energy, water and infrastructure sectors.
- Managing Director EDF Africa & Middle East for 20 years. Management advisor

Gherardo ROMANI (site manager)

Nadya CAZAN (Communication)

Max ROSARI (Digital)



EWA Farm

Let’s act together for a viable future

EWA GROUP

EWA FOUNDATION
3RD FLOOR STANDARD CHARTERED TOWER, CYBERCITY, EBENE
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