UM6P | Organisation internationale du Travail | ProAgro

EnergiaTech

Pitch Deck

From Waste to Power, From Vision to Impact

Context

EnergiaTech **operates in Morocco's rural agricultural zones, where over 10 million tons of agricultural waste are generated annually, much of it burned or discarded, leading to environmental harm and wasted resources. Meanwhile, rural farmers face energy costs consuming up to 30% of their production budgets, relying heavily on diesel or unreliable grid electricity.**

The root causes include lack of access to small-scale waste-to-energy technology & limited awareness. Despite Morocco's national push for green energy, clean tech adoption among smallholder farmers remains below 5%.

Problem

Morocco generates thousands of agricultural waste every year, polluting the environment, while farmers struggle with rising energy costs and limited access to sustainable solutions.

90%

Unused
Agricultural Waste

70%

Farmers Without
Renewable Energy
Access

10%

Agricultural Waste
Recycling Rate
in Morocco

Solution

At **Energiatech**, we see agricultural waste not as a problem, but as a powerful opportunity. We transform what was once discarded into a valuable resource.

EnergiaTech is a green technology startup specialized in the design, manufacturing, and commercialization of innovative machines that transform agricultural waste into energy. Our goal is to develop sustainable and efficient solutions that convert high-energy agricultural waste into green energy sources, reducing agri-waste and promoting energy self-sufficiency.

Olivenergy 1.0

Our first innovation

Olivenergy, focuses on olive waste valorization, specifically solid-liquid olive pomace, which is a byproduct of olive oil production. We are developing a specialized machine that processes this waste into renewable biofuel, offering a sustainable alternative to traditional energy sources.

Moving forward, we aim to expand our technology to other types of agricultural waste rich in energy potential, ensuring a broader impact on waste reduction and clean energy production.

First design of Olivenergy 1.0

How it Works

1

Feeding Mechanism

Olive waste is collected and fed into a thermal conversion chamber.

2

Conversion Process

Olive waste is converted into biogas/thermal energy through gasification or pyrolysis.

3

Energy Generation

The machine generates electricity, which can be used on-site or sold.

4

Modular Design

Scalable to fit farms of various sizes, ensuring flexibility.

Value Proposition

Each machine can eliminate up to **5000 tons of CO2** per year, reducing carbon emissions.

Each **500 tons** of agricultural waste per year can generate up to **100,000 kWh** of clean, renewable energy

Farmers can save up to **30% on energy costs,** boosting profitability.

Market Size

Target Market

- Estimated Number of Farmers in Morocco: Approximately 1,200,000.
- Percentage of Olive Waste Recycled in Morocco: Less than 5%.
- Number of Registered Moroccan Companies Using Biomass to Electricity: Fewer than 10.
- Percentage of Green Electricity Used in Agriculture in Morocco: Approximately 0.9%.

Similar Competitors

BIODÔME

SEaB™ energy

SISTEMA.bio®
CREATING VALUE FROM WASTE

COMPETITIVE BENCHMARKING TABLE

Criteria	Biodôme	SEaB Energy	Sistema.bio	EnergiaTech
Target Market	Rural households	Urban/commercial spaces	Small/medium farmers	Small/medium farmers
Waste Type	Organic	Food/organic	Animal/organic	Organic
Supports Circular Economy	Partially	Partially	Partially	Fully
Scalability for Agri Sector	Small scale	High cost/urban focused	Medium	Medium to large scale
Waste Recycled per Machine/Year	~20-50 tons	~100-200 tons	~50-100 tons	500+ tons
Farmer Profitability	Low	Urban benefit	Urban benefit	High (ROI 87%)

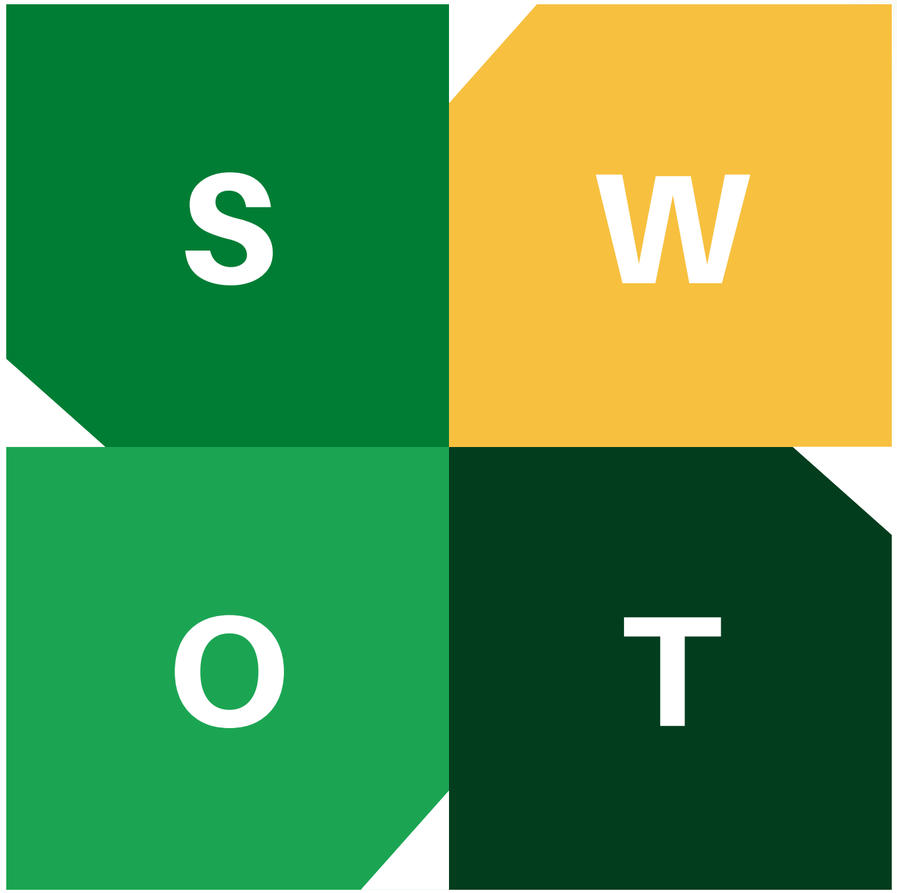
Analyse SWOT

STRENGTHS

Skilled Team
Innovative Technology
Environmental Benefits
Social Impact Model

WEAKNESSES

Early-Stage Development
High Initial Capital Needs
Limited Brand Recognition
Fixed Mindset of Local Farmers



OPPORTUNITIES

Growing Green Economy
Climate Financing
Government & Donor Interest

THREATS

Economic Instability
Regulatory Delays
Supply Chain Disruptions

Roadmap

Duration: 3 months

1

CONCEPT DEVELOPMENT & FEASIBILITY STUDY

Duration: 6 months

2

PROTOTYPE DESIGN & PILOT TESTING

Duration: 6-8 months

3

INDUSTRIAL PRODUCTION & CERTIFICATION

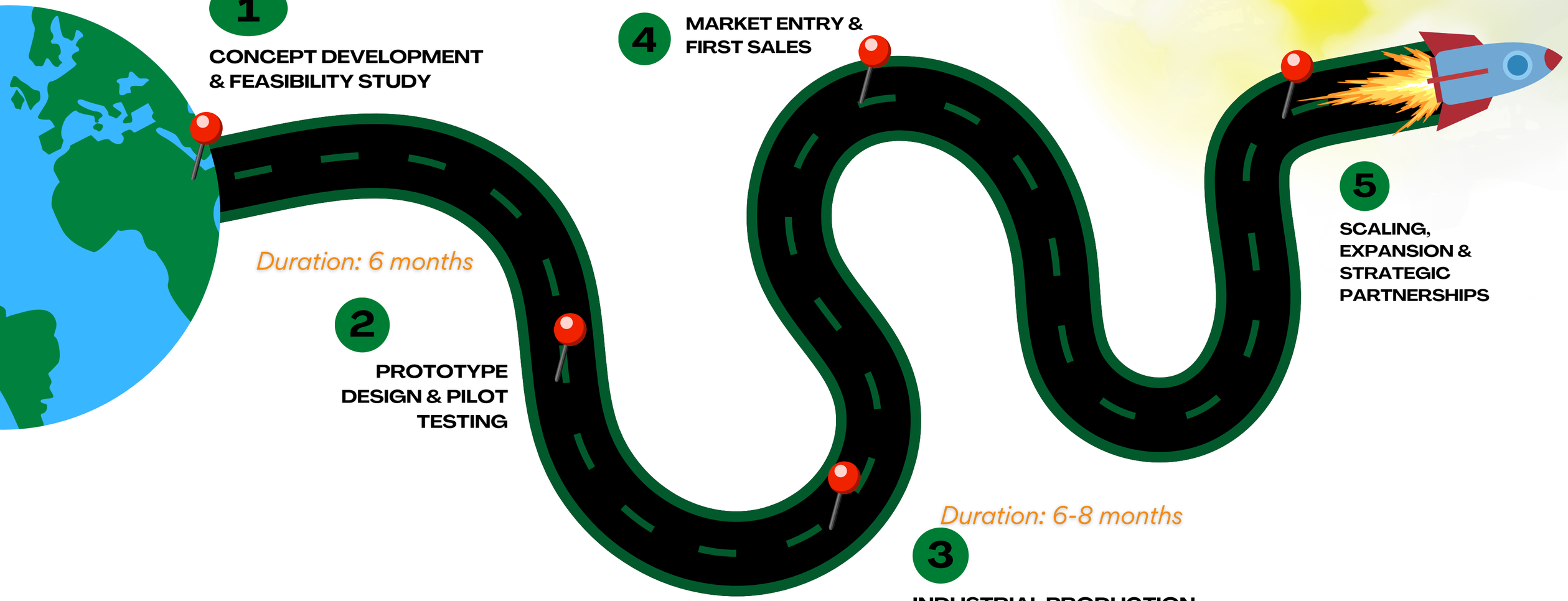
Duration: 4 months

4

MARKET ENTRY & FIRST SALES

5

SCALING, EXPANSION & STRATEGIC PARTNERSHIPS



Achievements

Second Prize - Agrichallenge

Best Tech Startup Prize - DigiTalk Orientale

First Prize - Green entrepreneurs

EnergiaTech

Join the movement & turn tomorrow's challenges into today's energy

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