Application: ExID-25F-5749469607

Alae-Eddine Moumen - Alae-Eddine.MOUMEN@um6p.ma
(MOROCCO APPLICANTS) Explorer Innovation Fund

Summary

ID: ExID-25F-5749469607
Last submitted: Aug 31 2025 21:42 (+01)
Labels: Mock and Full FB Review (New Applications), F25 Full FB

Eligibility Criteria

Completed - Aug 30 2025

Eligibility Criteria Form

- **Eligibility Organizations: UM6P, GEP, MASCIR, 1337, YouCode, Hassan II, Al Akhawayn, Mohammad V, Cadi Ayyad, Paset and Technopark students (undergraduate, masters and PhDs) postdocs and researchers**
- **Eligible members (see Eligibility Organizations above) and their teams that have a startup idea that they are already working on or want to start working on are eligible to apply.**
    - **All business models are welcome, including non-profit, social ventures, commercialization of eligible organizations (see Eligibility Organizations above) research and projects.**
    - **This does not include internships, charities, or research that you are not actively trying to commercialize or bring to market.**
- **Teams can have members from any eligible department or organization (see Eligibility Organizations above), as well as members from outside the Eligibility Organizations. However:**
- **A team must have at least one full-time member from an eligible organization (see Eligibility Organizations above) in a leadership role (if company is registered, then eligible member has to be one of the registrants).**
- **Upon graduation or terminating affiliation with any of the eligibility organizations (see Eligibility Organizations above), a team is no longer eligible to continue within Explorer.**
    - **Recruiting an eligible member to the team for the sole purpose of continuing the participation in Explorer will not be accepted as an eligibility criteria. Such addition to the team must happen at least ½ a cohort in advance. Please consult with the Explorer staff early about any clarifications required.**
- **Team members can be added/deleted anytime during the cohort (through Explorer portal).**
- **Team absolutely must be committed to their Business and Completing/Revising LBMC, Customer Segments, Customer Discovery, Early Adopters**
- **Teams must disclose prior or other sources of funding. This will not exclude you from being in the Explorer program in any way unless your venture has raised more than 500.000. Dhs in equity funding.**

The Reviewer Panel and Funding Board reserve the right to disqualify any entry that in its judgment violates the letter or the spirit of the guidelines, processes and rules of the Venture Explorer Innovation Fund Program.

Responses Selected:

Yes, I agree with the above terms

Add Team Members

Completed - Aug 31 2025

Add Team Members Form

This is to certify that all team members have been added and have filled out their biographical information.

1. All team members have been added as collaborators on this application (see "Add collaborator" button on this application's main page).

Click on "Back to application" to see add collborators button

Responses Selected:

Yes

****Each team member should have their own SurveyMonkey account ****

2. All team members are committed to logging into their own Explorer SurveyMonkey account (not the account of the person submitting the application), and filling out their profile. This is a very important commitment. Please make sure all team members are going to do this step.

Responses Selected:

Yes

Explorer Innovation Fund Application

Completed - Aug 31 2025

Explorer Innovation Fund Application Form

Please fill out all required before submitting your application. If this is a continuation application, some of your previous entries are listed. Please make sure to update where necessary.

NOTE: Due to UM6P policies, Explorer **no longer accepts eligibility from staff** (only students, researchers and post-docs). If you are a continuing team, you may continue filling this application, but you no longer are able to request additional funding. Please contact explorer@um6pventures.com with any questions. Note that a staff member can be on a team where the main applicant is a student, researcher or post-doc from an eligible institution.

Category Selection

1. Please select which fund you are applying for:

Explorer Innovation Fund Between 50.000 - 250.000 Dhs

Terms and Conditions

1. Terms and Conditions

1.1 Program Timeline

Applications deadline: September 1st, 2025

Cohort active: October 2025 - February 2026

Responses Selected:

I agree to the program timeline

1.2 Explorer Participation Guidelines:

I have read and understood the Explorer Participation Guidelines and by choosing yes below I agree and certify that I will abide by the Explorer Participation Guidelines and I will ensure that my team will also abide by the Explorer Participation Guidelines. The Explorer Participation Guidelines can be found at the link below:

Click Here to see Explorer Participation Guidelines

Responses Selected:

Yes

Project/Company Information

2. Project/Company/Team Information

2.1 Company/Project/Team Name

<> EnergiaTech

2.2 If your company/team name has changed since you first applied to Explorer, list any previous names

2.3 How many people are on your team?

(Please include yourself in the count. It's OK if the answer is 1)

5

2.4 Provide a URL to your project/company website if you have one

(No response)

2.5 Upload your team/company logo

This helps you be more memorable when we share your information with our sponsors. We encourage you to upload an image that represents your company if you have one.

logo background.png

Filename: logo background.png **Size:** 178.6 kB

2.6 Select up to three keywords that apply to your business venture.

Please place them in order of relevance where 1 is the most relevant. Please drag the numbers 1, 2 and 3 on the relevant areas. If you do not make any selections, this will impact the ability of the reviewers to review your application.
if you can't drag the numbers, then make sure you are using a laptop or contact explorer@um6pventures.com for help

1	Agriculture
2	Energy
3	Environment

Please confirm that you have made ALL three area selections above.

Responses Selected:

I have made all three selections

2.7 Proposed business model

B2C (Business to Consumer)

2.8 Target Market

Responses Selected:

Morocco
Africa
Europe

2.9.a Did your idea come out of your institutions research or project (e.g. your thesis)?

If yes, you will need to get sign-off from the UM6P Technology Transfer Office (TTO) or your organization. Please contact the Explorer office if you have any questions.

No

Proposal Details

3. Proposal Details

Well thought out and written descriptions, in English, of the items below. One liner/sentence descriptions, or incoherent descriptions will result in immediate rejection of the application. Please make sure to put clear thought in your writing and run it by colleague(s) and/or mentor(s) beforehand.

3.1 Problem/Need Addressed by Technology

(150 word maximum)

EnergiaTech operates in Morocco’s rural agricultural zones, where over 10 million tons of agricultural waste are generated annually(90% of Morocco's waste is unused), much of it burned or discarded, leading to environmental harm and wasted resources. Meanwhile, rural farmers (70% of these farmers does not have a Renewable Energy Access), 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, and poor rural logistics.

Despite Morocco’s national push for green energy, clean tech adoption among smallholder farmers remains below 5%.

Energiatech aims to address these challenges by turning agri-waste into affordable, on-site energy, reducing pollution,

improving energy independence, and creating a circular economy for rural communities.

3.2 Proposed Solution

Provide a description of your proposed solution (150 word maximum)

EnergiaTech is building a smart machine that turns everyday agricultural waste into clean energy-right on the farm. Instead

of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into

a reliable source of power for things like irrigation pumps, lights, or small machinery.

We’re solving two problems with one solution: helping farmers reduce their energy bills and giving new life to waste that

usually gets burned or thrown away. Most rural farmers don’t have access to clean or affordable energy, and they’re

surrounded by waste that could be used. Our machine bridges that gap.

3.3 Who is Your Competition?

Companies, Products and/or Technologies (150 word maximum)

-Biodôme(Morocco)

Biodôme targets rural households and processes organic waste on a small scale (~20–50 tons/year). It only partially supports the circular economy, with low farmer profitability. While affordable for households, it lacks scalability and strong impact in agriculture.

-SEaB Energy(UK)

SEaB Energy focuses on urban and commercial spaces, processing 100–200 tons/year of food and organic waste. It offers partial circular economy support, but its high cost and urban-centered model make it less accessible to farmers. Profitability mainly benefits urban users, not agriculture.

-Sistema.bio(Mexico)

Sistema.bio serves small and medium farmers, handling 50–100 tons/year of animal and organic waste. With medium scalability and partial circular economy support, it creates some value for farmers but doesn't maximize ROI or waste processing potential.

3.4 Describe your team and your team's strengths.

It is strongly recommended that you have at least one teammate (Group size of 2 or more). Please note: all teammates listed here should also be listed on the members section of the application home page (150 word maximum)

- Alae-Eddine Moumen (Founder)

Alae-Eddine is a master's student in Agribusiness Innovation at UM6P with a strong passion for turning ideas into impactful ventures.Over the years, he has supported more than 200 entrepreneurs in growing their businesses.

- Soufiane Boukharsa (CTO)

Soufiane is an experienced professional in the industrial and electrical sectors, currently based in Spain. He combines practical fieldwork with ongoing studies, bringing a strong technical background and up-to-date knowledge to our team.

- Fouad Rasezine (CFO)

Fouad is a professional finance analyst and strategist with over 8 years of experience, based in Morocco. He has extensive expertise in managing large and complex projects, bringing strong project management skills to the team. With a solid background in finance, technology, and media, he plays a crucial role in driving our financial strategy and supporting sustainable growth.

3.5 What do you hope to gain from participation in Explorer?

What are your goals and what do you hope to achieve with Explorer funds and resources? (150 word maximum)

Like many early-stage startups, we've proven the feasibility of our idea but now face the hard part: turning it into a reliable, scalable solution. Our biggest hurdles are on the technical side, we lack enough skilled talents, the right mentorship, and access to proper labs or infrastructure to refine and stabilize our prototype. The version we built has already worked, which is a huge step forward, but it's still fragile and needs more testing and development. On top of that, limited funding keeps us from hiring the expertise and securing the tools we need to accelerate progress. In short, we know where we're going and we've seen what's possible, but we need the right support to bridge the gap between a promising prototype and a market-ready product.

3.6 Do you plan to use any of your funds as for a summer stipend ?

- Up to two team members can request up to 2.000 Dhs/Month for a maximum of three months during the summer
- Only Students are eligible and will be employed as interns with UM6P
- The team members **MUST** be planning on making working on the project their highest priority during the summer.
- Potential interns **MUST** have authorization from their academic departments to allow them to take an internship during the summer
- Team will have to make a presentation to Explorer to justify the request
- **If you plan to request a stipend it should be clearly INCLUDED and JUSTIFIED in your budget. Separate line items should be included for each student requesting a stipend. (On Explorer Team Budget Plan)**

Yes

3.7 Do you plan to use any of your funds for international travel?

We encourage teams to find other sources of funds for international travel. However, if you do plan to use Explorer funds for international travel, please list all of the travel details below, including travelers, destination, and estimated cost.

Due to COVID-19 restrictions, we follow all UM6P policies.

No

3.8 Team build-out

If you are looking to augment your team, please describe what you are looking for and how you plan to do it. (150 word maximum)

We are actively looking to expand our team, with a special focus on technical talent. To move from a fragile prototype to a robust market-ready solution, we need skilled engineers and developers who can help us refine, test, and scale our technology. We plan to bring in this expertise by combining two approaches: first, engaging young and passionate talents from local universities and innovation hubs who are eager to work on impactful projects; and second, seeking experienced mentors and advisors from our networks and partner programs to guide us strategically. By blending fresh energy with seasoned expertise, we aim to strengthen our technical foundation while keeping our mission of sustainable innovation at the core.

3.9 High-level business plan and path to market

Describe how you plan to make money and what your path to market is, i.e. how you plan to engage with customers in the next 3 to 6 months. If you don't know yet, state that this is something you are looking for help with (150 word maximum)

Our business model centers on selling machines to farmers and cooperatives, making green energy and compost solutions accessible. To keep customers supported, we offer subscription services. Selling the compost and energy produced helps boost local economies and farmers' earnings. This mix of sales, services, and environmental finance ensures steady income, financial stability, and long-term growth.

For our path to market and how we plan to engage with customers in the next 3 to 6 months. This is something we are looking for help with.

3.10 Track record for the project or team

If this is a brand new project, say N/A, otherwise please let us know what progress you have made either as part of Explorer or outside (150 word maximum)

N/A

3.11 Please upload your business pitch here (slides only in PDF format). If you are asking for over 25.000 Dhs of funding, this is a mandatory field for consideration. It is optional otherwise.

(if you do not have a business pitch, you should not be applying for over 25,000 Dhs. Remember you can apply for no funding in your first cohort and work with your mentors on your business pitch)

EnergiaTech Pitch Deck_compresse.pdf

Filename: EnergiaTech Pitch Deck_compresse.pdf **Size:** 6.0 MB

One Page Pitch

4. One Page Pitch

4.1 Information Release

The responses in this section are for public use. We will be sharing these with sponsors and potentially the general public. Make sure that you are comfortable sharing whatever you include here.

Responses Selected:

I give permission for the information below and the personal information (Name, Email adress, Phone number) to be shared publicly

4.2 Value Proposition

Limit your response to 20 words

This machine converts farm waste into green energy, turning something that is usually thrown & burned into a valuable resource.

4.3 Problem Addressed

Limit your response to 50 words

Instead of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into a reliable source of power for things like irrigation pumps, lights, or small machinery.

4.4 Proposed Solution

Limit your response to 50 words

EnergiaTech is a green technology startup specialized in the design, manufacturing, and commercialization of innovative machines that transform agricultural waste into energy.

Funding Details

5. Funding Details

5.1.a Have you received Explorer funds for this venture idea in the past?

No

5.2 Current Funding Request (This proposal only, must match your budget)

Please enter numerals only. Do not add any symbols or punctuation. Amount must be in Dhs.

This amount should include your remaining funds from previous cohorts (Question 5.1a - 5.1b). For example, if you were awarded 20000 Dhs previously (5.1a) and you have spent previously 8000 Dhs (5.1b) AND for this this cohort you are asking for an additional 15000 Dhs, then the answer to this question is (20000 - 8000) + 15000 = 27000 Dhs. This amount should be in your budget that you will fill out.

250000

5.3 Potential Cumulative Explorer Funding

250000.0 Dhs

5.4 Have you received, or are you concurrently applying for additional sources of funding?

Explorer teams may have up to 500.000 Dhs in prior investment funding and concurrent investment funding to be eligible for participation. Please list all sources of funding you have received, including prior Explorer funds (if any) and any other funds on or off campus.

Please note: if you are concurrently applying for other sources of funding, please notify us at when you receive the funding decision.

Yes

5.5 Other Funding

	Funding Source	Name of Funding Source	Amount (Dhs)	Status	Click to add additional source
1	Other	Cluster ENR	400000	Pending	✖

Explorer Team Budget Plan

Completed - Aug 31 2025

Explorer Team Budget Plan Form

Explorer Team Budget Plan

Team ID: ExID-25F-5749469607

Team Name: <> EnergiaTech

1. If you do not have a budget and are applying for mentoring only and need help with creating a financial plan please click the appropriate box below (you will not be required for fill out a budget).

Responses Selected:

I want to submit a budget

2. Software

	Short Description	Amount (Dhs)	Click to add item
1	Subscribtions	23500	✖

Software Total: 23500.0

3. Hardware

	Short Description	Amount (Dhs)	Click to add item
1			✖

Hardware Total: 0.0

4. Web/App Development

	Short Description	Amount (Dhs)	Click to add item
1	Website Dev	280000	✖

Web/App Development Total: 280000.0

5. Materials and Services

	Short Description	Amount (Dhs)	Click to add item
1	Organic Waste to Biogas System	45500	✔
2	Biogas to Electricity System	30000	✔
3	Raw Materials	36000	✔
4	R&D and Prototyping Lab Setup	75000	✖

Materials and Services Total: 186500.0

6. Advertising and Marketing

	Short Description	Amount (Dhs)	Click to add item
1	Advertising and Marketing	10000	✖

Advertising and Marketing Total: 10000.0

7. Travel

	Short Description	Amount (Dhs)	Click to add item
1		0	✖

Travel Total: 0.0

8. Other Expenses

(list stipend requests here if you are requesting any, see question 3.6 on the application)

	Short Description	Amount (Dhs)	Click to add item
1		0	✖

Other Expenses Total: 0.0

Project Total: 500000.0

In section 5.2 of your application form, you said your funding request was: (continuing team) or 250000 (new team) - as a reminder, this number must match the Project Total above. By selecting Mark as Complete, you confirm these numbers match.

IF THE NUMBERS DO NOT MATCH, THIS WILL RESULT IN YOUR BUDGET NOT BEING APPROVED.

Funding Board Review Stage (New Applications) for: Smriti Bhaya

Incomplete
Score:

Review Task Form

FUNDING BOARD MEMBER (your name): Smriti Bhaya

email: smriti_b@mit.edu

Team ID: ExID-25F-5749469607

Team Name: <> EnergiaTech

Applicant: Alae-Eddine Moumen

Team Members: Soufiane Boukharsa

Value Proposition: This machine converts farm waste into green energy, turning something that is usually thrown & burned into a valuable resource.

Problem Addressed: Instead of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into a reliable source of power for things like irrigation pumps, lights, or small machinery.

Proposed Solution:

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Marilyn Davison, Mohamed Zaz

AMOUNT JUSTIFICATION FROM REVIEWERS:

- **This team does need some start up funding to realize their machine design/vision. IF they can do this a great addition to the struggling farms in terms of diversving/adding income**
- **The development of the MVP should remain the main priority, so we have allocated the requested budget accordingly. However, the website development cost seems overpriced and may be a mistake.**

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- **500000**
- **500000**

RECOMMENDED AMOUNT BY REVIEWERS:

(No response)

Invite to Mock Funding Board?

(No response)

RECOMMENDED FUNDING LEVEL:

(No response)

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

- - Budget form does not match question 5.2)

From Mentor Review Stage:

- Ambitious venture, good team that can probably implement their idea. Lots of work to be done on the engineering/machine side as well as customer discovery, cost model for farmers, up front costs with delayed non specific payback
- Very interesting and promising project, though significant engineering work remains. We should support these technical innovations and help bring them to life.

(No response)

External Feedback (TO CANDIDATES):

- Ambitious venture that woiuld appear to have a client base. You have a lot of work to do for a truly viable MVP and appear to have the team competencies to do so. YOu also need to work on a viable payment/income producing plan for the farmers if you are going to be able to sell the machine. Look at other models as you build up.
- A very interesting and promising project, though significant engineering work remains. UM6P and its technical labs provide the ideal environment to access the support needed to advance this work.

(No response)

Funding Board Review Stage (New Applications) for: Dillon Muhly-Alexander

Incomplete
Score:

Review Task Form

FUNDING BOARD MEMBER (your name): **Dillon Muhly-Alexander**

email: **dillonma@mit.edu**

Team ID: ExID-25F-5749469607

Team Name: <> EnergiaTech

Applicant: Alae-Eddine Moumen

Team Members: Soufiane Boukharsa

Value Proposition: This machine converts farm waste into green energy, turning something that is usually thrown & burned into a valuable resource.

Problem Addressed: Instead of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into a reliable source of power for things like irrigation pumps, lights, or small machinery.

Proposed Solution:

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Marilyn Davison, Mohamed Zaz

AMOUNT JUSTIFICATION FROM REVIEWERS:

- **This team does need some start up funding to realize their machine design/vision. IF they can do this a great addition to the struggling farms in terms of diversving/adding income**
- **The development of the MVP should remain the main priority, so we have allocated the requested budget accordingly. However, the website development cost seems overpriced and may be a mistake.**

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- **500000**
- **500000**

RECOMMENDED AMOUNT BY REVIEWERS:

(No response)

Invite to Mock Funding Board?

(No response)

RECOMMENDED FUNDING LEVEL:

(No response)

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

- - Budget form does not match question 5.2)

From Mentor Review Stage:

- Ambitious venture, good team that can probably implement their idea. Lots of work to be done on the engineering/machine side as well as customer discovery, cost model for farmers, up front costs with delayed non specific payback
- Very interesting and promising project, though significant engineering work remains. We should support these technical innovations and help bring them to life.

(No response)

External Feedback (TO CANDIDATES):

- Ambitious venture that woiuld appear to have a client base. You have a lot of work to do for a truly viable MVP and appear to have the team competencies to do so. YOu also need to work on a viable payment/income producing plan for the farmers if you are going to be able to sell the machine. Look at other models as you build up.
- A very interesting and promising project, though significant engineering work remains. UM6P and its technical labs provide the ideal environment to access the support needed to advance this work.

(No response)

Funding Board Review Stage (New Applications) for: loubna fatine

Incomplete
Score:

Review Task Form

FUNDING BOARD MEMBER (your name): **loubna fatine**

email: **fatineloubna@gmail.com**

Team ID: ExID-25F-5749469607

Team Name: <> EnergiaTech

Applicant: Alae-Eddine Moumen

Team Members: Soufiane Boukharsa

Value Proposition: This machine converts farm waste into green energy, turning something that is usually thrown & burned into a valuable resource.

Problem Addressed: Instead of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into a reliable source of power for things like irrigation pumps, lights, or small machinery.

Proposed Solution:

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Marilyn Davison, Mohamed Zaz

AMOUNT JUSTIFICATION FROM REVIEWERS:

- **This team does need some start up funding to realize their machine design/vision. IF they can do this a great addition to the struggling farms in terms of diversving/adding income**
- **The development of the MVP should remain the main priority, so we have allocated the requested budget accordingly. However, the website development cost seems overpriced and may be a mistake.**

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- **500000**
- **500000**

RECOMMENDED AMOUNT BY REVIEWERS:

(No response)

Invite to Mock Funding Board?

(No response)

RECOMMENDED FUNDING LEVEL:

(No response)

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

- - Budget form does not match question 5.2)

From Mentor Review Stage:

- Ambitious venture, good team that can probably implement their idea. Lots of work to be done on the engineering/machine side as well as customer discovery, cost model for farmers, up front costs with delayed non specific payback
- Very interesting and promising project, though significant engineering work remains. We should support these technical innovations and help bring them to life.

(No response)

External Feedback (TO CANDIDATES):

- Ambitious venture that woiuld appear to have a client base. You have a lot of work to do for a truly viable MVP and appear to have the team competencies to do so. YOu also need to work on a viable payment/income producing plan for the farmers if you are going to be able to sell the machine. Look at other models as you build up.
- A very interesting and promising project, though significant engineering work remains. UM6P and its technical labs provide the ideal environment to access the support needed to advance this work.

(No response)

Funding Board Review Stage (New Applications) for: Mohamed Ismail Ettabi

Completed - Sep 18 2025
Score: 97% (101/104)

Review Task Form

FUNDING BOARD MEMBER (your name): **Mohamed Ismail Ettabi**

email: **mohamedismail.ettabi@emines.um6p.ma**

Team ID: ExID-25F-5749469607

Team Name: <> EnergiaTech

Applicant: Alae-Eddine Moumen

Team Members: Soufiane Boukharsa

Value Proposition: This machine converts farm waste into green energy, turning something that is usually thrown & burned into a valuable resource.

Problem Addressed: Instead of letting olive pits, fruit peels, or crop leftovers go to waste or pollute the environment, our invention transforms them into a reliable source of power for things like irrigation pumps, lights, or small machinery.

Proposed Solution:

MENTOR REVIEWERS RECOMMENDED AMOUNT(S) AND JUSTIFICATION:

REVIEWERS: Marilyn Davison, Mohamed Zaz

AMOUNT JUSTIFICATION FROM REVIEWERS:

- **This team does need some start up funding to realize their machine design/vision. IF they can do this a great addition to the struggling farms in terms of diversving/adding income**
- **The development of the MVP should remain the main priority, so we have allocated the requested budget accordingly. However, the website development cost seems overpriced and may be a mistake.**

REQUESTED AMOUNT FROM CANDIDATE (as interpreted by Reviewers):

- **500000**
- **500000**

RECOMMENDED AMOUNT BY REVIEWERS:

250000, 210000

Invite to Mock Funding Board?

YES

RECOMMENDED FUNDING LEVEL:

250000

Internal Feedback (if any, to EXPLORER Administration):

From Initial Review Stage:

- - Budget form does not match question 5.2)

From Mentor Review Stage:

- Ambitious venture, good team that can probably implement their idea. Lots of work to be done on the engineering/machine side as well as customer discovery, cost model for farmers, up front costs with delayed non specific payback
- Very interesting and promising project, though significant engineering work remains. We should support these technical innovations and help bring them to life.

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Very interesting and promising project, though significant engineering work remains. We should support these technical innovations and help bring them to life.

External Feedback (TO CANDIDATES):

- Ambitious venture that woiuld appear to have a client base. You have a lot of work to do for a truly viable MVP and appear to have the team competencies to do so. YOu also need to work on a viable payment/income producing plan for the farmers if you are going to be able to sell the machine. Look at other models as you build up.
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A very interesting and promising project, though significant engineering work remains. UM6P and its technical labs provide the ideal environment to access the support needed to advance this work.

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%)

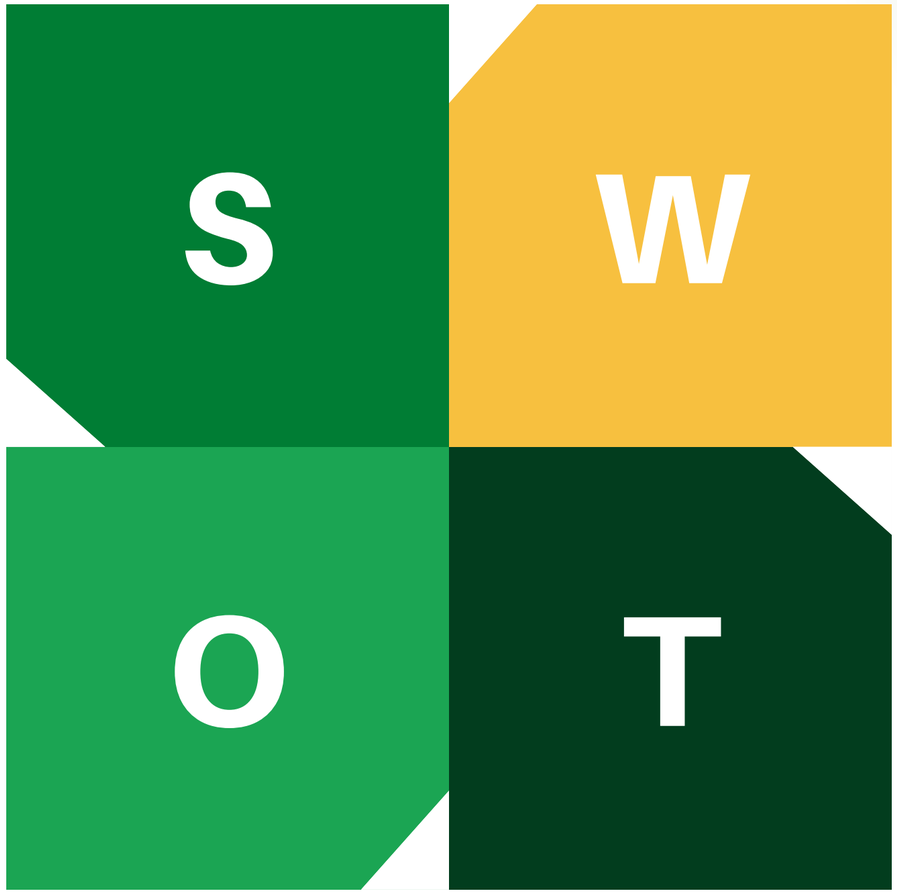
Analyse SWOT

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

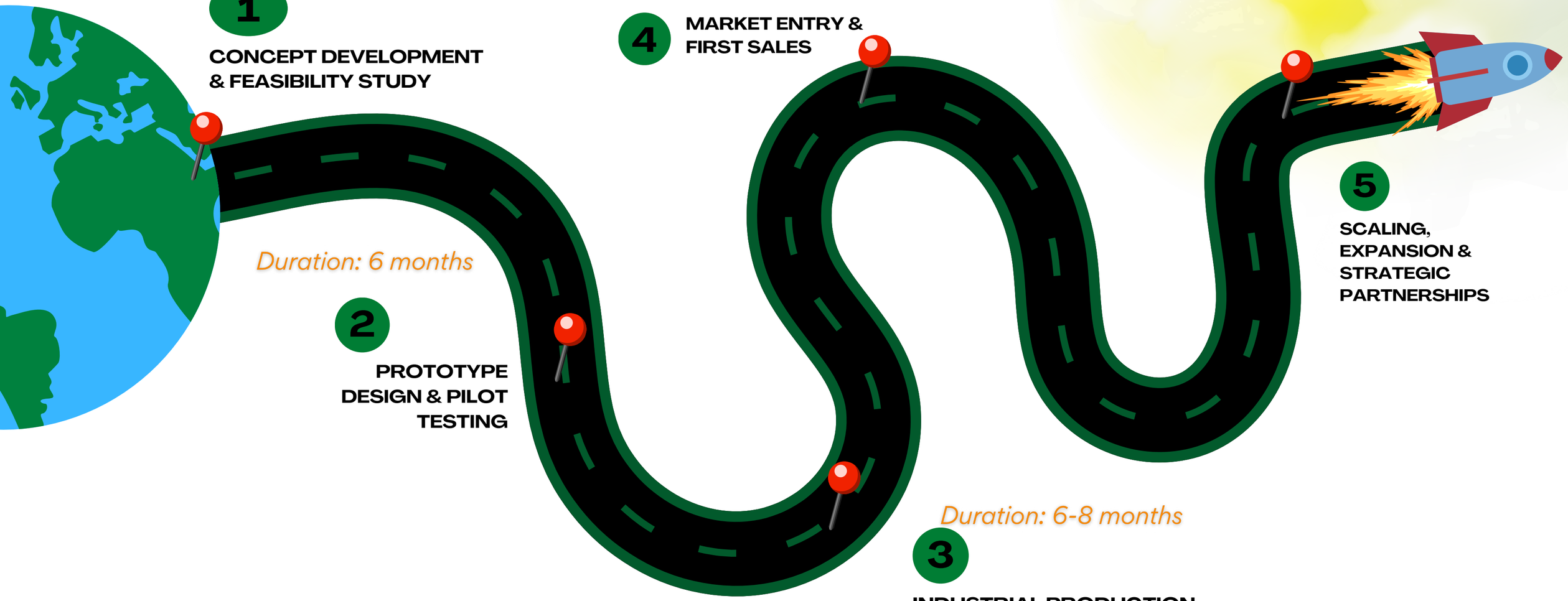
Duration: 4 months

4

MARKET ENTRY & FIRST SALES

5

SCALING, EXPANSION & STRATEGIC PARTNERSHIPS



Achievements



Second Prize - Agrichallenge



Best Tech Startup Prize - DigiTalk Orientale



First Prize - Green entrepreneurs

UM6P

Institut Agronomique et Vétérinaire Hassan II
المعهد الحسن الثاني للزراعة والبيطرة
IAV



Organisation internationale du Travail

ProAgro



EnergiaTech

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