



Global Greenchem  
Innovation & Network Program

GLOBAL GREENCHEM INNOVATION & NETWORK PROGRAM

# Startup Profiles

2026 Startup Accelerator Cohort

Indonesia · Jordan · Peru · Serbia · Uganda · Ukraine

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NOVEMBER 2026 · GLOBAL ENVIRONMENT FACILITY PROJECT ID 10353

Funded by the Global Environment Facility · Implemented in cooperation with UNIDO

Facilitated by the Center for Green Chemistry and Green Engineering at Yale University

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# The 12 Principles of Green Chemistry

Green chemistry is the design of chemical products and processes that reduce or eliminate the use and generation of hazardous substances. Its twelve principles, set out by Paul Anastas and John Warner in 1998, form a design framework that applies across a chemical's life cycle, from feedstock and synthesis to use and disposal. Every company in this book names the principles its work advances; they appear by number in the Impact section of each profile.

- 1 PREVENTION**  
It is better to prevent waste than to treat or clean it up after it has been created.
- 2 ATOM ECONOMY**  
Design syntheses so that the final product incorporates as much as possible of the materials used to make it.
- 3 LESS HAZARDOUS CHEMICAL SYNTHESSES**  
Wherever practicable, use and generate substances with little or no toxicity to people or the environment.
- 4 DESIGNING SAFER CHEMICALS**  
Design chemical products to do their job while minimising their toxicity.
- 5 SAFER SOLVENTS AND AUXILIARIES**  
Avoid solvents, separation agents and other auxiliary substances where possible; where they are needed, make them innocuous.
- 6 DESIGN FOR ENERGY EFFICIENCY**  
Minimise the energy a process needs; run reactions at ambient temperature and pressure where possible.
- 7 USE OF RENEWABLE FEEDSTOCKS**  
Use raw materials and feedstocks that are renewable rather than depleting wherever technically and economically practicable.
- 8 REDUCE DERIVATIVES**  
Avoid unnecessary derivatisation, such as blocking groups and temporary modifications, which costs extra reagents and creates waste.
- 9 CATALYSIS**  
Prefer selective catalytic reagents to stoichiometric ones.
- 10 DESIGN FOR DEGRADATION**  
Design chemical products to break down into innocuous substances at the end of their use, not persist in the environment.
- 11 REAL-TIME ANALYSIS FOR POLLUTION PREVENTION**  
Develop analytical methods that monitor and control a process in real time, before hazardous substances form.
- 12 INHERENTLY SAFER CHEMISTRY FOR ACCIDENT PREVENTION**  
Choose substances, and the forms in which they are used, to minimise the potential for accidents, including releases, explosions and fires.

# Executive Summary

The Global Greenchem Innovation & Network Program is a six-year initiative that seeks to unite the green chemistry community, share knowledge, encourage gender equality, foster research, innovation and entrepreneurship, and substitute harmful chemicals with green, benign and sustainable alternatives.

The Global Greenchem Innovation & Network Program is funded by the Global Environment Facility (GEF), implemented in cooperation with UNIDO, and facilitated by the Center for Green Chemistry and Green Engineering at Yale University with National Cleaner Production Centres in participating countries.

This book presents the 2026 cohort of the programme's national accelerators: 60 companies in Indonesia (11), Jordan (8), Peru (16), Serbia (9), Uganda (5) and Ukraine (11). The 60 companies list 191 founders, 86 of them women (45%).

Together, the 60 companies in this cohort have raised \$2.7 million to date, generated over \$2.2 million in revenue in 2025 and are seeking approximately \$20 million.

## COHORT SUMMARY BY COUNTRY · 2026 GLOBAL GREENCHEM ACCELERATOR

| COUNTRY   | TOTAL COMPANIES | MOST COMMON STAGE | MOST COMMON STARTUP SECTOR                                | TOTAL FUNDING REQUESTED | COMPANIES RAISING CAPITAL | COMPANIES WITH 2025 REVENUE | COMPANIES THAT RAISED CAPITAL |
|-----------|-----------------|-------------------|-----------------------------------------------------------|-------------------------|---------------------------|-----------------------------|-------------------------------|
| Indonesia | 11              | Growth Stage      | Agriculture & Aquaculture                                 | \$910,000               | 9                         | 8                           | 10                            |
| Jordan    | 8               | Prototype/MVP     | Chemicals; Pharmaceuticals, Biotechnology & Life Sciences | \$4,900,000             | 7                         | 3                           | 5                             |
| Peru      | 16              | Pilot/Beta        | Pharmaceuticals, Biotechnology & Life Sciences            | \$2,300,000             | 15                        | 8                           | 14                            |
| Serbia    | 9               | Prototype/MVP     | Chemicals                                                 | \$9,200,000             | 9                         | 2                           | 7                             |
| Uganda    | 5               | Prototype/MVP     | Chemicals                                                 | \$370,000               | 5                         | 0                           | 2                             |
| Ukraine   | 11              | Prototype/MVP     | Chemicals                                                 | \$2,800,000             | 11                        | 1                           | 6                             |
| All       | 60              | Prototype/MVP     | Chemicals                                                 | \$20,000,000            | 56                        | 22                          | 44                            |

## FOUNDING TEAMS BY COUNTRY

| COUNTRY   | COMPANIES | FOUNDERS | WOMEN FOUNDERS | WOMEN FOUNDERS (%) |
|-----------|-----------|----------|----------------|--------------------|
| Indonesia | 11        | 40       | 16             | 40%                |
| Jordan    | 8         | 13       | 9              | 69%                |
| Peru      | 16        | 37       | 12             | 32%                |
| Serbia    | 9         | 30       | 14             | 47%                |
| Uganda    | 5         | 23       | 11             | 48%                |
| Ukraine   | 11        | 48       | 24             | 50%                |
| All       | 60        | 191      | 86             | 45%                |

This book is about brave founders, bold solutions, and the infrastructure we need to scale.

Green Chemistry founders build as AI arrives: data centers demanding water and power, new physics-grounded models accelerating the system overall, and

A big thank you to GEF, UNIDO, Yale University, the National Executing Partners, and above all to the founders. We invite you to read their profiles as what they are: live experiments changing economies and societies. We are grateful to everyone who made this work possible.

**The Global Greenchem Innovation &  
Network Program Team**  
Yale University

## Johana Coneo · Alain Valiquette

# Cohort Index

## INDONESIA · 11 COMPANIES

| COMPANY                    | CITY       | SECTOR                           | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|----------------------------|------------|----------------------------------|---------------|----------------------------------|-----------------|------|
| Aither                     | Surabaya   | Building Products                | Early Revenue | 7                                | \$34,000        | 11   |
| Blue Forests               | Makassar   | Agriculture & Aquaculture        | Prototype/MVP | 4                                | \$20,000        | 12   |
| Econella                   | Pinrang    | Chemicals                        | Early Revenue | 4                                | \$20,000        | 13   |
| Fure                       | Driyorejo  | Building Products                | Growth Stage  | 4                                | \$28,000        | 14   |
| Mustav & Co                | Cilacap    | Textiles, Apparel & Luxury Goods | Growth Stage  | 2                                | —               | 15   |
| Organic Culture            | Glenmore   | Textiles, Apparel & Luxury Goods | Growth Stage  | 1                                | \$47,000        | 16   |
| PT Angphot Orion Indonesia | Jember     | Agriculture & Aquaculture        | Pilot/Beta    | 5                                | —               | 17   |
| PT Inovasi Tani Tarunira   | Karangasem | Food & Beverage                  | Growth Stage  | 5                                | \$64,000        | 18   |
| Satuplatform               | Jakarta    | Software & IT                    | Growth Stage  | 9                                | \$590,000       | 19   |
| STB Pellet                 | Madiun     | Oil & Gas                        | Early Revenue | 7                                | \$25,000        | 20   |
| Zona Farm                  | Yogyakarta | Agriculture & Aquaculture        | Pilot/Beta    | 7                                | \$84,000        | 21   |

## JORDAN · 8 COMPANIES

| COMPANY                                                         | CITY    | SECTOR                                         | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|-----------------------------------------------------------------|---------|------------------------------------------------|---------------|----------------------------------|-----------------|------|
| Bara'ah Al-Tawarah                                              | Zarqa   | Food & Beverage                                | Early Revenue | 7                                | \$25,000        | 25   |
| Bio-Nem                                                         | Al-Salt | Chemicals                                      | Prototype/MVP | 4                                | \$210,000       | 26   |
| Dion                                                            | Irbid   | Household & Personal Care Products             | Growth Stage  | 9                                | \$2,800,000     | 27   |
| Hassan Odeh Foundation for Stone, Marble and Architectural Arts | Amman   | Construction & Engineering                     | Early Revenue | 7                                | \$1,300,000     | 28   |
| NanoGlow                                                        | Amman   | Pharmaceuticals, Biotechnology & Life Sciences | Idea/Concept  | 3                                | \$99,000        | 29   |
| PIPL                                                            | Amman   | Chemicals                                      | Idea/Concept  | 3                                | \$14,000        | 30   |
| WashyWash                                                       | Amman   | Household & Personal Care Products             | Prototype/MVP | 4                                | \$490,000       | 31   |
| Zemar                                                           | Irbid   | Pharmaceuticals, Biotechnology & Life Sciences | Prototype/MVP | 2                                | —               | 32   |

**PERU · 16 COMPANIES**

| COMPANY               | CITY        | SECTOR                                            | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|-----------------------|-------------|---------------------------------------------------|---------------|----------------------------------|-----------------|------|
| BioChallwa            | Huancayo    | Pharmaceuticals,<br>Biotechnology & Life Sciences | Prototype/MVP | 6                                | \$29,000        | 35   |
| BotaniShield 30 CE    | Ica         | Pharmaceuticals,<br>Biotechnology & Life Sciences | Prototype/MVP | 5                                | \$29,000        | 36   |
| Clear Energy SAC      | Lima        | Paper & Forest Products                           | Pilot/Beta    | 4                                | \$1,000,000     | 37   |
| Delisetas             | Tingo María | Agriculture & Aquaculture                         | Pilot/Beta    | 5                                | \$29,000        | 38   |
| Eco Rumi S.A.C        | Arequipa    | Construction Materials                            | Prototype/MVP | 4                                | —               | 39   |
| Ecopiro S.A.C.        | Trujillo    | Chemicals                                         | Pilot/Beta    | 6                                | \$44,000        | 40   |
| H2Bread               | Lima        | Machinery &<br>Electrical Equipment               | Pilot/Beta    | 5                                | \$150,000       | 41   |
| Hanqa                 | Lima        | Pharmaceuticals,<br>Biotechnology & Life Sciences | Early Revenue | 9                                | \$58,000        | 42   |
| Hifae                 | Lima        | Containers & Packaging                            | Growth Stage  | 9                                | \$15,000        | 43   |
| Hope Biomaterials     | Huánuco     | Textiles, Apparel &<br>Luxury Goods               | Pilot/Beta    | 7                                | \$20,000        | 44   |
| Inspirall             | Lima        | Food & Beverage                                   | Growth Stage  | 9                                | \$58,000        | 45   |
| Livanguard            | Lima        | Agriculture & Aquaculture                         | Pilot/Beta    | 6                                | \$22,000        | 46   |
| Pintaykuna            | Lima        | Construction & Engineering                        | Prototype/MVP | 4                                | \$2,900         | 47   |
| Quiasa Consulting SRL | Lima        | Chemicals                                         | Growth Stage  | 6                                | \$290,000       | 48   |
| Stari Yaqua           | Pucallpa    | Utilities                                         | Growth Stage  | 8                                | \$500,000       | 49   |
| Textipla              | Arequipa    | Building Products                                 | Prototype/MVP | 4                                | \$20,000        | 50   |

**SERBIA · 9 COMPANIES**

| COMPANY                             | CITY     | SECTOR                                            | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|-------------------------------------|----------|---------------------------------------------------|---------------|----------------------------------|-----------------|------|
| Beointech                           | Belgrade | Chemicals                                         | Prototype/MVP | 4                                | \$560,000       | 53   |
| EcoCollagen                         | Belgrade | Pharmaceuticals,<br>Biotechnology & Life Sciences | Prototype/MVP | 3                                | \$30,000        | 54   |
| EcoMimetix                          | Belgrade | Pharmaceuticals,<br>Biotechnology & Life Sciences | Idea/Concept  | 1                                | \$100,000       | 55   |
| Etak                                | Belgrade | Construction & Engineering                        | Early Revenue | 8                                | \$3,400,000     | 56   |
| MHU                                 | Belgrade | Construction & Engineering                        | Prototype/MVP | 4                                | \$170,000       | 57   |
| Moćno                               | Belgrade | Agriculture & Aquaculture                         | Early Revenue | 8                                | \$340,000       | 58   |
| NeoMetals Technology<br>DOO Beograd | Belgrade | Chemicals                                         | Prototype/MVP | 4                                | \$3,900,000     | 59   |
| SMG venture                         | Belgrade | Chemicals                                         | Idea/Concept  | 3                                | \$110,000       | 60   |
| WPT Energy                          | Čačak    | Transportation &<br>Transportation Infrastructure | Prototype/MVP | 4                                | \$560,000       | 61   |

**UGANDA · 5 COMPANIES**

| COMPANY               | CITY    | SECTOR                                            | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|-----------------------|---------|---------------------------------------------------|---------------|----------------------------------|-----------------|------|
| Eden Biomaterials     | Mbarara | Chemicals                                         | Prototype/MVP | 3                                | \$200,000       | 65   |
| G-Lactic Limited      | Kampala | Containers & Packaging                            | Prototype/MVP | 1                                | \$2,700         | 66   |
| Green Filter Uganda   | Kampala | Pharmaceuticals,<br>Biotechnology & Life Sciences | Prototype/MVP | 3                                | \$49,000        | 67   |
| Matjii Agro Limited   | Hoima   | Chemicals                                         | Pilot/Beta    | 1                                | \$92,000        | 68   |
| Viridi Growth Limited | Kampala | Chemicals                                         | Prototype/MVP | 2                                | \$25,000        | 69   |

**UKRAINE · 11 COMPANIES**

| COMPANY                      | CITY       | SECTOR                                | STAGE         | TECHNOLOGY<br>READINESS<br>LEVEL | TARGET<br>RAISE | PAGE |
|------------------------------|------------|---------------------------------------|---------------|----------------------------------|-----------------|------|
| Argentera                    | Sumy       | Agriculture & Aquaculture             | Pilot/Beta    | 4                                | \$300,000       | 73   |
| Ecoln                        | Vinnytsia  | Household & Personal<br>Care Products | Prototype/MVP | 6                                | \$5,600         | 74   |
| Green Composite Technologies | Vinnytsia  | Construction Materials                | Prototype/MVP | 5                                | \$38,000        | 75   |
| Greenodin                    | Vinnytsia  | Chemicals                             | Prototype/MVP | 5                                | \$17,000        | 76   |
| PolyFuel                     | Kyiv       | Oil & Gas                             | Pilot/Beta    | 7                                | \$920,000       | 77   |
| Power-to-Methanol Systems    | Sumy       | Chemicals                             | Idea/Concept  | 3                                | \$150,000       | 78   |
| ReTerra Tile                 | Kharkiv    | Construction Materials                | Pilot/Beta    | 5                                | \$300,000       | 79   |
| SFMCS                        | Kyiv       | Construction & Engineering            | Prototype/MVP | 3                                | \$5,500         | 80   |
| Sludge to Value              | Kyiv       | Chemicals                             | Pilot/Beta    | 6                                | \$1,000,000     | 81   |
| The Roots                    | Kremenchuk | Textiles, Apparel &<br>Luxury Goods   | Prototype/MVP | 4                                | \$75,000        | 82   |
| Wild Vine                    | Lviv       | Food & Beverage                       | Prototype/MVP | 2                                | \$4,000         | 83   |





Global Greenchem  
Innovation & Network Program

2026 COHORT · INDONESIA 2026 GREENOVATE STARTUP ACCELERATOR

# Indonesia

11 companies

Aither

Blue Forests

Econella

Fure

Mustav & Co

Organic Culture

PT Angphot Orion Indonesia

PT Inovasi Tani Tarunira

Satuplatform

STB Pellet

Zona Farm

NATIONAL IMPLEMENTING PARTNER



Universitas Pertamina

## INDONESIA · 11 COMPANIES

# Indonesia Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 0         | 0%    |
| Prototype/MVP        | 1         | 9%    |
| Pilot/Beta           | 2         | 18%   |
| Early Revenue        | 3         | 27%   |
| Growth Stage         | 5         | 45%   |

| SECTOR                           | COMPANIES | SHARE |
|----------------------------------|-----------|-------|
| Agriculture & Aquaculture        | 3         | 27%   |
| Building Products                | 2         | 18%   |
| Textiles, Apparel & Luxury Goods | 2         | 18%   |
| Chemicals                        | 1         | 9%    |
| Food & Beverage                  | 1         | 9%    |
| Oil & Gas                        | 1         | 9%    |
| Software & IT                    | 1         | 9%    |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 2         | 18%   |
| Development (TRL 4–6)      | 5         | 45%   |
| Deployment (TRL 7–9)       | 4         | 36%   |

| LEGAL                      | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Registered or incorporated | 11        | 100%  |
| Patents reported           | 6         | 55%   |

| GEOGRAPHY                                                                                                            | CITIES |
|----------------------------------------------------------------------------------------------------------------------|--------|
| Cities represented                                                                                                   | 11     |
| Cilacap · Driyorejo · Glenmore · Jakarta · Jember · Karangasem · Madiun · Makassar · Pinrang · Surabaya · Yogyakarta |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 40       | 11        | 100%  |
| Women founders | 16       | 9         | 82%   |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$910,000   | 9         | 82%   |
| Capital raised to date | \$1,400,000 | 10        | 91%   |
| 2025 revenue           | \$1,400,000 | 8         | 73%   |

## REPORTING 2025 REVENUE

Aither · Econella · Fure · Mustav & Co · Organic Culture · Satuplatform · STB Pellet · Zona Farm

INDONESIA · BUILDING PRODUCTS

# Aither

Creating healthier ambient air quality by reducing carbon emissions through microalgae air purification

## COMPANY OVERVIEW

### PROBLEM

Carbon emissions have forced companies to pursue decarbonization projects. However, existing solutions such as Forest and Land Use (FOLU) and restoration require large amounts of land, which many companies lack. Carbon Capture and Underground Storage (CCUS) needs a large area, a lot of energy and high investment cost.

### SOLUTION

Our microalgae-based air-purification innovation absorbs 8 grams of carbon per liter per day and up to 70% of flue gas emissions, based on a pilot project, and is 30 times more land-efficient than FOLU or mangrove restoration. We have high-quality Monitoring, Reporting, and Verification (MRV) on carbon sequestration. The byproduct is environmentally friendly biomass with a high content of nutrients, with which degraded land can slowly be replanted.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Waste management         | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                      | STAGE OF DEVELOPMENT    |
|-------------------------------------------------|-------------------------|
| TRL 7: Operational<br>Environment Demonstration | Early Revenue           |
| PROTOTYPE                                       | REGULATORY APPROVAL     |
| Yes                                             | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                                                                        |
|-------------------------------------------|---------------------------------------------------------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | More than 75%                                                                                     |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                                                                        |
| SDG 13: Climate Action                    | #6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                      | LOCAL COMMUNITY                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The byproduct of carbon capture produces biostimulants that can restore degraded land, helping improve the livelihoods of local farmers and strengthening food security in areas vulnerable to climate change. Our solutions also promote economic resilience by creating new green job opportunities. | We help communities to strengthen their knowledge of sustainability products. We provide a publication and a scientific publication on our social media. We also conduct some workshops on low carbon emission products. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$15,000   |
| 2025 EXPENSES   | \$10,000   |
| CAPITAL RAISED  | \$25,000   |
| TARGET RAISE    | \$34,000   |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

| SECTOR            |
|-------------------|
| Building Products |
| FOUNDED           |
| 2024              |
| LOCATION          |
| Surabaya          |
| FOUNDERS          |
| 4                 |
| WOMEN FOUNDERS    |
| 1 of 4            |
| ADVISORS          |
| Yes               |

## FOUNDING TEAM

### NAMES

Riva Rizkiana, Alya Zikaila, Wildan Nadzif, Farrel Muhammad Nur Said Kamaludin

## CONTACT

### NAME

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### WEBSITE

linkedin.com/company/aitherindonesia

INDONESIA · AGRICULTURE & AQUACULTURE

# Blue Forests

Blue Forests converts shrimp head waste into bioactive extract to enhance water quality in ponds

## COMPANY OVERVIEW

### PROBLEM

Regenesi Booster upcycles shrimp head waste into bioactive extracts. Shrimp farmers face challenges in disposing of waste, which causes environmental harm and inefficiency.

### SOLUTION

Regenesi Booster transforms shrimp head waste into a bioactive extract used in shrimp farming systems. Unlike traditional waste disposal methods, it creates a functional product that reduces environmental impact, improves farm efficiency, and boosts profitability. It turns a by-product into a resource, reducing pollution while supporting sustainable and economic shrimp farming practices.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Agriculture & food         | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Pilot customers     | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                                                                  |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Waste diverted                  | 50–75%                                                                                                                      |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                                                                  |
| SDG 12: Responsible Consumption | #1 Prevention, #2 Atom Economy, #6 Design for Energy Efficiency, #7 Use of Renewable Feedstocks, #10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                              | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All team members, regardless of gender, have equal professional development opportunities, especially in sustainability and aquaculture. Women are encouraged to take part in decision-making and leadership. Empowering women, particularly in rural areas, creates a more equitable shrimp farming industry. | Regenesi Booster provides jobs in sustainable aquaculture and waste management, and training programs that give individuals, especially women, skills in waste-to-value processes and bioactive production. We also support local farmers by enhancing shrimp farming practices and efficiency. |

## FINANCIALS

| 2025 REVENUE    | —             |
|-----------------|---------------|
| 2025 EXPENSES   | \$8,400       |
| CAPITAL RAISED  | \$670,000     |
| TARGET RAISE    | \$20,000      |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | Yes           |
| 2025 STATEMENTS | No            |

## COMPANY FACTS

| SECTOR         | Agriculture & Aquaculture |
|----------------|---------------------------|
| FOUNDED        | 2023                      |
| LOCATION       | Makassar                  |
| FOUNDERS       | 5                         |
| WOMEN FOUNDERS | 3 of 5                    |
| ADVISORS       | No                        |

## FOUNDING TEAM

### NAMES

Ratna Fadilah, Indar Alam, Nur Rifah Zain, Monika Linda, Syafriman Ali

### CONTACT

#### NAME

Ratna Fadilah

#### EMAIL

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INDONESIA · CHEMICALS

# Econella

Bioenergy for the future of sustainable energy

## COMPANY OVERVIEW

### PROBLEM

Econella addresses high fuel costs for farmers, high carbon emissions and fuel inefficiency in agriculture caused by diesel use.

### SOLUTION

Econella produces a bioadditive from clove leaves and rejected citronella that enhances diesel efficiency, reduces emissions, and protects engines. Production residues become biopellets, biobriquettes, and biocoal for biomass furnaces. A hybrid solar and grid energy system with IoT monitoring powers production. It serves farmers and small-to-medium enterprises (SMEs) via local stores, cooperatives, workshops, and online.

## BUSINESS & MARKET

| TARGET CUSTOMER                    | BUSINESS MODEL         | PRODUCTION APPROACH     |
|------------------------------------|------------------------|-------------------------|
| Chemicals & materials              | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE              | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Market is dominated by 1–2 players | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Repeat customers    | Yes, independent lab   | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Early Revenue           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                                                                                                                                                         |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy saved                    | 25–50%                                                                                                                                                                                                             |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                                         |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#11 Real-Time Analysis for Pollution Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                    | LOCAL COMMUNITY                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Econella involves women in strategic roles, including management, research, and marketing, and empowers women at the community level. Through training and mentorship, it provides equal access to economic opportunities, skill development, and participation in the sustainable energy ecosystem. | Econella creates jobs by converting agricultural waste into bioenergy products, engaging farmers, rural youth, and SMEs in production and distribution. Training and mentorship build skills in waste processing, technology use, and entrepreneurship, enabling communities to gain income. |

## FINANCIALS

|                 |               |
|-----------------|---------------|
| 2025 REVENUE    | \$18,000      |
| 2025 EXPENSES   | \$16,000      |
| CAPITAL RAISED  | \$11,000      |
| TARGET RAISE    | \$20,000      |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | Yes           |
| 2025 STATEMENTS | Yes           |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2021      |
| LOCATION       | Pinrang   |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 2 of 3    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Azizah Fauziah Misbahuddin,  
Adhe Efahy Setianingsih,  
Nugraha Saputra

## CONTACT

### NAME

Azizah Fauziah Misbahuddin

### EMAIL

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### WEBSITE

linkedin.com/company/econella-id

INDONESIA · BUILDING PRODUCTS

# Fure

Fure transforms plastic waste into functional, aesthetic products promoting circular, sustainable living

## COMPANY OVERVIEW

### PROBLEM

Plastic waste management is inefficient; most post-consumer plastic ends up in landfills or low-value recycling. Businesses, waste collectors, and consumers lack reliable recycled materials, so businesses use virgin plastic, raising costs and environmental impact.

### SOLUTION

Fure transforms post-consumer plastic waste into functional materials and products, including accessories, furniture, and custom branding items for businesses. By combining recycling with design, Fure creates high-value outputs from low-value waste without sacrificing aesthetics or functionality. Unlike conventional recycling, which often downcycles, Fure focuses on durable, design-driven products and modular systems.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL    | PRODUCTION APPROACH     |
|--------------------------|-------------------|-------------------------|
| Manufacturing            | Product sales     | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Direct competitors exist | —                 | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Repeat customers    | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT |
|---------------------------------------------|----------------------|
| TRL 4: Controlled Environment Demonstration | Growth Stage         |
| PROTOTYPE                                   | REGULATORY APPROVAL  |
| Yes                                         | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                                                                                                          |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste diverted                  | 25–50%                                                                                                                                                              |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                                                                                                          |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#5 Safer Solvents and Auxiliaries,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                             | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fure provides equal access to jobs regardless of gender, background, or education level; skill-based production roles enable women and local community members to take part in hands-on recycling. Workshops open these opportunities to women, often underrepresented in manufacturing and waste management. | Fure creates jobs in plastic waste processing and product manufacturing. Collaborating with waste collectors and local partners increases the value of collected plastic and provides more stable income. Educational activities and workshops raise recycling awareness and build practical skills. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$4,500      |
| 2025 EXPENSES   | \$2,200      |
| CAPITAL RAISED  | \$7,500      |
| TARGET RAISE    | \$28,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | Yes          |
| 2025 STATEMENTS | Yes          |

## COMPANY FACTS

| SECTOR            |
|-------------------|
| Building Products |
| FOUNDED           |
| 2025              |
| LOCATION          |
| Driyorejo         |
| FOUNDERS          |
| 2                 |
| WOMEN FOUNDERS    |
| 1 of 2            |
| ADVISORS          |
| No                |

## FOUNDING TEAM

### NAMES

Sulthan Atha Muhammad,  
Zafira Zahrani Wally

### CONTACT

#### NAME

Sulthan Atha Muhammad

#### EMAIL

sulthanatha23@gmail.com

INDONESIA · TEXTILES, APPAREL & LUXURY GOODS

# Mustav & Co

Sustainable bioleather products transforming banana waste into premium corporate branding experiences

## COMPANY OVERVIEW

### PROBLEM

Most corporate gifts and promotional materials are generic, low-impact, and quickly forgotten. Businesses face pressure to demonstrate genuine sustainability practices, yet accessible, premium, and storytelling-driven material alternatives remain limited.

### SOLUTION

Bioleather-based products made from banana stem fibers, transforming underutilized agricultural waste into premium, functional materials for corporate branding and gifting. Our products include customizable items such as notebook covers, accessories, and corporate gift sets designed to be both practical and meaningful.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL    | PRODUCTION APPROACH     |
|--------------------------|-------------------|-------------------------|
| Consumer goods           | Product sales     | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Direct competitors exist | Lower cost        | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Paying customers    | Yes, academic laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL    | STAGE OF DEVELOPMENT |
|-------------------------------|----------------------|
| TRL 2: Technology Formulation | Growth Stage         |
| PROTOTYPE                     | REGULATORY APPROVAL  |
| Yes                           | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC         | REDUCTION VS. ALTERNATIVES     |
|------------------------------|--------------------------------|
| Not yet measuring            | Less than 25%                  |
| PRIMARY SDG                  | GREEN CHEMISTRY PRINCIPLES     |
| SDG 9: Industry & Innovation | #7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                             | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Women have equal opportunities to participate, learn, and grow, including hands-on roles in production, quality control, and creative processes. Skills training and real work experience build confidence, financial independence, and employability. Flexible working accommodates family responsibilities. | We create jobs and skill development, especially for youth and those with limited formal employment access. Local workers earn income while learning material processing, craftsmanship, and basic business operations. Locally sourced banana stem waste creates an additional income stream for farmers. |

## FINANCIALS

|                 |               |
|-----------------|---------------|
| 2025 REVENUE    | \$7,400       |
| 2025 EXPENSES   | \$4,600       |
| CAPITAL RAISED  | \$2,800       |
| TARGET RAISE    | —             |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | No            |
| 2025 STATEMENTS | Yes           |

## COMPANY FACTS

| SECTOR                           |
|----------------------------------|
| Textiles, Apparel & Luxury Goods |
| FOUNDED                          |
| 2023                             |
| LOCATION                         |
| Cilacap                          |
| FOUNDERS                         |
| 3                                |
| WOMEN FOUNDERS                   |
| 0 of 3                           |
| ADVISORS                         |
| No                               |

## FOUNDING TEAM

### NAMES

Firdaus Sari Asta, Ifan Fatahillah, Syarifudin Musthofa

### CONTACT

#### NAME

Syarifudin Musthofa

#### EMAIL

syarifudinmusthofa72@gmail.com

INDONESIA · TEXTILES, APPAREL & LUXURY GOODS

# Organic Culture

Transforming textile waste into sustainable fashion products, driving climate action through conscious design

## COMPANY OVERVIEW

### PROBLEM

Textile waste is often left unmanaged, contributing to growing pollution and environmental damage. Without proper treatment, it is usually dumped or burned, releasing carbon monoxide emissions that negatively impact the climate.

### SOLUTION

Organic Culture is a modest fashion brand with the vision “Transforming Fashion for Climate Action.” Responsible: we upcycle discarded denim in Banyuwangi and turn marine plastic into buttons, buckles, and beads. Renewable: FSC-certified natural fibers and solar-powered production. Circular: fabric scraps are composted to nurture cotton plants. We have reduced our carbon footprint by 1,386%, making us carbon-negative.

## BUSINESS & MARKET

| TARGET CUSTOMER                    | BUSINESS MODEL         | PRODUCTION APPROACH     |
|------------------------------------|------------------------|-------------------------|
| Textiles                           | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE              | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Market is dominated by 1–2 players | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Repeat customers    | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT       |
|----------------------------|----------------------------|
| TRL 1: Basic Research      | Growth Stage               |
| PROTOTYPE                  | REGULATORY APPROVAL        |
| Yes                        | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                        |
|---------------------------------|---------------------------------------------------|
| Waste diverted                  | More than 75%                                     |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                        |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#6 Design for Energy Efficiency |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                         | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We support gender equality by empowering women in several villages through employment, skill development, and participation in sustainable innovation, creating positive environmental and social impact. | We create jobs in sustainable production and upcycling textile waste, and hold workshops for local women's groups such as PKK, with hands-on training in design, crafting, and sustainable fashion practices. Participants gain skills that improve livelihoods and raise awareness about textile waste. |

## FINANCIALS

|                 |                |
|-----------------|----------------|
| 2025 REVENUE    | \$20,000       |
| 2025 EXPENSES   | \$36,000       |
| CAPITAL RAISED  | \$53,000       |
| TARGET RAISE    | \$47,000       |
| GLOBAL TAM      | Don't know yet |
| FINANCIAL MODEL | Yes            |
| 2025 STATEMENTS | Yes            |

## COMPANY FACTS

| SECTOR                           |
|----------------------------------|
| Textiles, Apparel & Luxury Goods |
| FOUNDED                          |
| 2018                             |
| LOCATION                         |
| Glenmore                         |
| FOUNDERS                         |
| 5                                |
| WOMEN FOUNDERS                   |
| 4 of 5                           |
| ADVISORS                         |
| No                               |

## FOUNDING TEAM

### NAMES

Ananta Naufal Habibi,  
Wanda Tri Utami, Hani Ristanti,  
Bunga Ramadani,  
Anita Yuni Kholillah

### CONTACT

**NAME**  
Ananta Naufal Habibi  
**EMAIL**  
organicculture.sfg@gmail.com

INDONESIA · AGRICULTURE & AQUACULTURE

# PT Angphot Orion Indonesia

Circular economy initiative that transforms organic and food waste into valuable resources

## COMPANY OVERVIEW

### PROBLEM

PT Angphot Orion Indonesia addresses organic waste that is often discarded or burned, contributing to methane emissions, while fish farmers face high feed costs and limited access to affordable, quality nutrition, a key barrier to sustainable aquaculture.

### SOLUTION

Vitoma, a circular aquaculture feed made from organic waste such as eggshells and low-value fish, processed into nutrient-rich ingredients providing affordable calcium and protein for fish farmers. Waste from households, traditional markets, and coastal communities is collected through a community-based waste savings scheme, creating additional income for local communities.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Agriculture & food       | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Paying customers    | Yes, industry laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT    |
|----------------------------|-------------------------|
| TRL 5: Pilot Validation    | Pilot/Beta              |
| PROTOTYPE                  | REGULATORY APPROVAL     |
| Yes                        | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES     |
|-------------------------------------------|--------------------------------|
| Carbon dioxide / greenhouse gas reduction | 50–75%                         |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES     |
| SDG 12: Responsible Consumption           | #7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                        | LOCAL COMMUNITY                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PT Angphot Orion Indonesia involves women, especially rural women, in its circular economy. Through its waste savings program, women exchange organic waste for income and financial inclusion. Activities require no advanced education or capital, and women are integrated into the supply chain and decision-making. | Rural households, women's groups, and small-scale suppliers in the waste savings program earn income from organic waste and gain skills in waste sorting, basic processing, and sustainable resource management. Aquaculture farmers get more affordable feed, reducing production costs. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | —           |
| 2025 EXPENSES   | —           |
| CAPITAL RAISED  | \$1,800     |
| TARGET RAISE    | —           |
| GLOBAL TAM      | \$500M–\$1B |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR         | Agriculture & Aquaculture |
|----------------|---------------------------|
| FOUNDED        | 2025                      |
| LOCATION       | Jember                    |
| FOUNDERS       | 3                         |
| WOMEN FOUNDERS | 1 of 3                    |
| ADVISORS       | No                        |

## FOUNDING TEAM

**NAMES**  
Rio Maulana, M Khoirul Hasan, Arin Khurota

## CONTACT

**NAME**  
Rio Maulana  
**EMAIL**  
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**WEBSITE**  
id.linkedin.com/company/angphotorion

INDONESIA · FOOD & BEVERAGE

# PT Inovasi Tani Tarunira

PT Inovasi Tani Tarunira is a social enterprise built on innovation in powdered and liquid organic palmyra sugar

## COMPANY OVERVIEW

### PROBLEM

PT Inovasi Tani Tarunira addresses rural poverty in Karangasem, where low farmer incomes, unemployment, and limited market access drive migration, while abundant palmyra resources remain underutilized. Indonesia relies on refined sugar with limited healthier alternatives.

### SOLUTION

PT Inovasi Tani Tarunira builds a community-based ecosystem turning palmyra sap into low-glycemic powdered palmyra sugar, addressing rural poverty and diabetes. The model includes diversified products (flavored sugar, MOCAF, organic fertilizer), eco-friendly packaging, and solar-powered drying. Its circular economy approach boosts farmer income, reduces waste, promotes renewable energy, and supports livelihoods aligned with key SDGs.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Agriculture & food         | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Better user experience | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Paying customers    | Yes, independent lab   | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT       |
|----------------------------|----------------------------|
| TRL 5: Pilot Validation    | Growth Stage               |
| PROTOTYPE                  | REGULATORY APPROVAL        |
| Yes                        | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                   |
|---------------------------------|------------------------------------------------------------------------------|
| Waste diverted                  | Not yet measured                                                             |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                   |
| SDG 12: Responsible Consumption | #2 Atom Economy,<br>#7 Use of Renewable Feedstocks,<br>#8 Reduce Derivatives |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                   | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Over 150 women farmers and 15 housewives are actively involved in production and value-added activities, gaining stable incomes and financial independence. Women are integrated into core operations as key contributors, not just participants, and local youth are also engaged. | PT Inovasi Tani Tarunira creates jobs and income for over 300 villagers across four remote areas in Karangasem, more than doubling farmers' incomes through palmyra products, including organic palmyra sugar. It builds skills in sustainable agriculture, processing, and product innovation, and reduces urban migration. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$0        |
| 2025 EXPENSES   | \$0        |
| CAPITAL RAISED  | \$0        |
| TARGET RAISE    | \$64,000   |
| GLOBAL TAM      | \$1B-\$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

| SECTOR          |
|-----------------|
| Food & Beverage |
| FOUNDED         |
| 2026            |
| LOCATION        |
| Karangasem      |
| FOUNDERS        |
| 5               |
| WOMEN FOUNDERS  |
| 2 of 5          |
| ADVISORS        |
| No              |

## FOUNDING TEAM

### NAMES

Aizahwa Imanukha,  
Kadek Juli Ardani,  
Massivaren Arrazzi Safino,  
I Putu Gede Eka Praptika,  
Arfiansyah Yusuf Zuliardi Suyata

## CONTACT

**NAME**  
Aizahwa Imanukha  
**EMAIL**  
tarunira.official@gmail.com  
**WEBSITE**  
linkedin.com/company/  
pt-inovasi-tani-tarunira

INDONESIA · SOFTWARE & IT

# Satuplatform

End-to-end strategic partner for carbon, ESG, and sustainability management

## COMPANY OVERVIEW

### PROBLEM

Companies commit to ESG and net zero but struggle with carbon accounting, KPIs, regulations, and expertise, resulting in fragmented, low-impact efforts. Satuplatform enables measurable, data-driven climate action through integrated carbon and ESG management.

### SOLUTION

Many companies commit to ESG principles and net-zero targets, but struggle with carbon accounting (Scope 1, 2, and 3), roadmaps and KPIs, evolving regulations, and fragmented initiatives, so efforts become compliance-driven rather than strategic. Satuplatform is an end-to-end carbon, ESG and sustainability management partner, supporting organizations with carbon measurement and ESG strategy development.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH      |
|--------------------------|------------------------|--------------------------|
| Energy                   | Software platform      | Digital/no manufacturing |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED  |
| Direct competitors exist | Sustainability benefit | Yes                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Not yet                | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL         | STAGE OF DEVELOPMENT       |
|------------------------------------|----------------------------|
| TRL 9: Commercial-Scale Deployment | Growth Stage               |
| PROTOTYPE                          | REGULATORY APPROVAL        |
| No                                 | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                      |
|-------------------------------------------|-------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | 25–50%                                          |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                      |
| SDG 13: Climate Action                    | #11 Real-Time Analysis for Pollution Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                            | LOCAL COMMUNITY                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our company fosters fairness through inclusive hiring, equal pay practices, and a safe, supportive workplace culture, and empowers women through leadership opportunities; 70% of our team are women. We ensure zero tolerance for discrimination and provide continuous awareness programs. | We create job opportunities, especially for young professionals and women, and deliver training, workshops, and sustainability programs to enhance skills and knowledge. We collaborate with local partners and experts, enabling knowledge sharing and inclusive economic growth. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$1,300,000  |
| 2025 EXPENSES   | \$870,000    |
| CAPITAL RAISED  | \$600,000    |
| TARGET RAISE    | \$590,000    |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | Yes          |
| 2025 STATEMENTS | Yes          |

## COMPANY FACTS

|                |               |
|----------------|---------------|
| SECTOR         | Software & IT |
| FOUNDED        | 2021          |
| LOCATION       | Jakarta       |
| FOUNDERS       | 2             |
| WOMEN FOUNDERS | 1 of 2        |
| ADVISORS       | No            |

## FOUNDING TEAM

### NAMES

Bunga Asih Pratiwi, Erik Eka Putra

### CONTACT

#### NAME

Bunga Asih Pratiwi

#### EMAIL

bunga@satuplatform.com

#### WEBSITE

linkedin.com/company/11112631

INDONESIA · OIL & GAS

# STB Pellet

Biomass pellet based on agricultural and industrial waste materials

## COMPANY OVERVIEW

### PROBLEM

We are working to address the issue of waste accumulation at the local level. Every year, approximately 16,000 tons of sugarcane waste are produced by four sugar mills in Madiun, East Java. This leads to waste accumulation at landfills, causing pollution and even wildfires. Therefore, we are attempting to recycle this waste into an alternative fuel.

### SOLUTION

STB Pellet is a renewable energy biomass pellet product. Our recycled biomass products are made from recycled organic waste such as agricultural waste and industrial waste with the aim of becoming fuel that can replace coal. Since 2022, our products have helped reduce waste accumulation by 800–900 tons each year for each production house.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Manufacturing            | Product sales          | Contract manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Repeat customers    | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT |
|----------------------------|----------------------|
| TRL 7: Operational         | Early Revenue        |
| Environment Demonstration  |                      |
| PROTOTYPE                  | REGULATORY APPROVAL  |
| Yes                        | Uncertain            |

## IMPACT

| ENVIRONMENTAL METRIC   | REDUCTION VS. ALTERNATIVES                                    |
|------------------------|---------------------------------------------------------------|
| Waste diverted         | 50–75%                                                        |
| PRIMARY SDG            | GREEN CHEMISTRY PRINCIPLES                                    |
| SDG 13: Climate Action | #7 Use of Renewable Feedstocks,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The business is managed on a cooperative basis. We prioritize hiring local residents to participate in production house activities. We prioritize recent graduates and small-scale farmers (who own less than 5 hectares of land). By establishing the production house, we aim to support the women's community by providing food supplies.

### LOCAL COMMUNITY

Creating new jobs, improving the economic well-being of the communities involved in the project, establishing new industrial hubs in rural areas, building green economic networks at the grassroots level, and reducing waste accumulation.

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$67,000     |
| 2025 EXPENSES   | \$35,000     |
| CAPITAL RAISED  | \$13,000     |
| TARGET RAISE    | \$25,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | No           |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Oil & Gas |
| FOUNDED        | 2022      |
| LOCATION       | Madiun    |
| FOUNDERS       | 4         |
| WOMEN FOUNDERS | 1 of 4    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Vastukencana Sih Gita Garudatama,  
Ilham Akbar Syahputra,  
Faishal Najmuddin Nabih,  
Rafida Ziya

## CONTACT

### NAME

Vastukencana Sih Gita Garudatama

### EMAIL

vgarudatama@gmail.com

### WEBSITE

linkedin.com/company/stb-pellet

INDONESIA · AGRICULTURE & AQUACULTURE

# Zona Farm

AIoT platform optimizing poultry farming through smart energy, automation, and circular economy

## COMPANY OVERVIEW

### PROBLEM

Poultry farmers face high energy costs, inefficient operations, and unmanaged waste, reducing productivity and profitability. Rising temperatures and emissions increase mortality and energy use, while waste is underutilized. These challenges limit income, harm the environment, and hinder sustainable food production.

### SOLUTION

Zona Farm is an AIoT-based smart farming platform integrating energy management, climate control, and waste processing. It enables real-time monitoring, automation, and AI-driven insights to reduce energy use, improve productivity, and convert waste into value. Compatible with existing farms, it is affordable and scalable for farmers.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|--------------------------|---------------------------------------------|-------------------------|
| Agriculture & food       | Product sales                               | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Direct competitors exist | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Paying customers    | Yes, independent lab   | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                      | STAGE OF DEVELOPMENT |
|-------------------------------------------------|----------------------|
| TRL 7: Operational<br>Environment Demonstration | Pilot/Beta           |
| PROTOTYPE                                       | REGULATORY APPROVAL  |
| Yes                                             | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES      |
|----------------------|---------------------------------|
| Energy saved         | 25–50%                          |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES      |
| SDG 2: Zero Hunger   | #6 Design for Energy Efficiency |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zona Farm promotes fairness and equal opportunities by providing inclusive access to technology, training, and economic opportunities for farmers, including women. Our platform is designed to be user-friendly and accessible, enabling both men and women to adopt modern farming practices. We also support equal participation in training, capacity building, and decision-making, helping empower women in agricultural operations and increasing their income opportunities. | Zona Farm supports local communities by creating jobs in farm operations, installation, and maintenance of AIoT systems. We provide training and upskilling programs for farmers to adopt modern technology, improving productivity and income. Additionally, our circular farming approach creates new economic opportunities through waste processing into fertilizer and maggot feed, benefiting surrounding communities. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$11,000   |
| 2025 EXPENSES   | \$5,600    |
| CAPITAL RAISED  | \$20,000   |
| TARGET RAISE    | \$84,000   |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR                    |
|---------------------------|
| Agriculture & Aquaculture |
| FOUNDED                   |
| 2024                      |
| LOCATION                  |
| Yogyakarta                |
| FOUNDERS                  |
| 4                         |
| WOMEN FOUNDERS            |
| 0 of 4                    |
| ADVISORS                  |
| Yes                       |

## FOUNDING TEAM

### NAMES

Ihza Surya Pratama,  
Gilang Rizky Yunanto,  
Muhammad Hasani,  
Intan Rahma Dini

### CONTACT

#### NAME

Ihza Surya Pratama

#### EMAIL

ihza.surya@gmail.com

#### WEBSITE

linkedin.com/company/zonafarm





Global Greenchem  
Innovation & Network Program

2026 COHORT · GLOBAL GREEN CHEMISTRY & SUSTAINABILITY ACCELERATOR (THE CATALYST), JORDAN 2026

# Jordan

8 companies

Bara'ah Al-Tawarah

Bio-Nem

Dion

Hassan Odeh Foundation for Stone, Marble  
and Architectural Arts

NanoGlow

PIPL

WashyWash

Zemar

NATIONAL IMPLEMENTING PARTNER



الْجَمْعِيَّةُ الْعِلْمِيَّةُ الْمَلَكِيَّةُ  
Royal Scientific Society

Royal Scientific Society (RSS)

JORDAN · 8 COMPANIES

# Jordan Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 2         | 25%   |
| Prototype/MVP        | 3         | 38%   |
| Pilot/Beta           | 0         | 0%    |
| Early Revenue        | 2         | 25%   |
| Growth Stage         | 1         | 13%   |

| SECTOR                                         | COMPANIES | SHARE |
|------------------------------------------------|-----------|-------|
| Chemicals                                      | 2         | 25%   |
| Household & Personal Care Products             | 2         | 25%   |
| Pharmaceuticals, Biotechnology & Life Sciences | 2         | 25%   |
| Construction & Engineering                     | 1         | 13%   |
| Food & Beverage                                | 1         | 13%   |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 3         | 38%   |
| Development (TRL 4–6)      | 2         | 25%   |
| Deployment (TRL 7–9)       | 3         | 38%   |

| LEGAL                      | COMPANIES | SHARE | GEOGRAPHY                               | CITIES |
|----------------------------|-----------|-------|-----------------------------------------|--------|
| Registered or incorporated | 4         | 50%   | Cities represented                      | 4      |
| Patents reported           | 1         | 13%   | Amman (4) · Irbid (2) · Al-Salt · Zarqa |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 13       | 8         | 100%  |
| Women founders | 9        | 6         | 75%   |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$4,900,000 | 7         | 88%   |
| Capital raised to date | \$220,000   | 5         | 63%   |
| 2025 revenue           | \$350,000   | 3         | 38%   |

## REPORTING 2025 REVENUE

Bara'ah Al-Tawarah · Dion · Hassan Odeh Foundation for Stone, Marble and Architectural Arts

JORDAN · FOOD & BEVERAGE

# Bara'ah Al-Tawarah

Transforming agricultural waste into eco-friendly oils, vinegar, and plant-based extracts

## COMPANY OVERVIEW

### PROBLEM

Large amounts of agricultural waste in rural Jordan are discarded, causing environmental harm and lost value. Farmers and communities lack sustainable processing solutions, leading to income loss and limited job opportunities, especially for youth and women.

### SOLUTION

Our company converts agricultural waste into high-value natural products such as oils, vinegar, and plant extracts, applying green chemistry principles to minimize waste and energy use while ensuring product quality. We source raw materials locally from farmers and create income through decentralized production. It is more sustainable and cost-effective than traditional methods, targeting both B2B and B2C markets.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Agriculture & food       | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, industry laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                   | STAGE OF DEVELOPMENT       |
|----------------------------------------------|----------------------------|
| TRL 7: Operational Environment Demonstration | Early Revenue              |
| PROTOTYPE                                    | REGULATORY APPROVAL        |
| Yes                                          | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                              |
|---------------------------------|-----------------------------------------------------------------------------------------|
| Waste diverted                  | More than 75%                                                                           |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                              |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#5 Safer Solvents and Auxiliaries,<br>#6 Design for Energy Efficiency |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                       | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our company is women-led and integrates women into environmentally responsible production and packaging. Women work in safe, low-toxicity manufacturing environments that reduce exposure to harmful chemicals, enabling women from underserved communities to participate in sustainable value chains. | We purchase agricultural surplus from local farmers and transform it into 100% natural food products without adding any chemicals. This reduces agricultural waste and increases farmers' income (we have recently been working with 10 farmers), with low-energy production and eco-friendly packaging. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$36,000     |
| 2025 EXPENSES   | \$29,000     |
| CAPITAL RAISED  | \$37,000     |
| TARGET RAISE    | \$25,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | No           |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

| SECTOR          |
|-----------------|
| Food & Beverage |
| FOUNDED         |
| 2023            |
| LOCATION        |
| Zarqa           |
| FOUNDERS        |
| 2               |
| WOMEN FOUNDERS  |
| 2 of 2          |
| ADVISORS        |
| No              |

## FOUNDING TEAM

**NAMES**  
Lara Salman Mohd Tawarh,  
Bana Ali Ousofi

## CONTACT

**NAME**  
Bara'ah Salman  
**EMAIL**  
barahaltawara@yahoo.com  
**WEBSITE**  
barah-altawara1.mystrikingly.com

JORDAN · CHEMICALS

# Bio-Nem

Brassica-based soil enhancement and biofertilizer solutions

## COMPANY OVERVIEW

### PROBLEM

Farmers face declining soil fertility, rising fertilizer costs, and limited sustainable soil-enhancement options, while agricultural plant waste is often discarded. Bio-Nem transforms plant residues into a plant-based soil enhancer and biofertilizer.

### SOLUTION

Bio-Nem is produced by chemical extraction from broccoli plants to improve soil fertility. It will reduce reliance on synthetic fertilizers, decreasing soil and groundwater contamination and minimizing harmful effects on non-target organisms. It contributes to sustainable agriculture, environmental protection, and green economic growth, and will create green employment opportunities, particularly for youth and women.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL       | PRODUCTION APPROACH     |
|----------------------------|----------------------|-------------------------|
| Chemicals & materials      | Product sales        | University lab space    |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE    | REGISTERED/INCORPORATED |
| Only indirect alternatives | Regulatory advantage | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Pilot customers     | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT       |
|---------------------------------------------|----------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP              |
| PROTOTYPE                                   | REGULATORY APPROVAL        |
| Yes                                         | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES   |
|----------------------|------------------------------|
| Toxics eliminated    | Less than 25%                |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES   |
| SDG 2: Zero Hunger   | #4 Designing Safer Chemicals |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                         | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We ensure equal access to employment, training, and leadership roles for women and youth, with merit-based recruitment. Women are included from production to extension services, with capacity-building, flexible working, and mentorship, and we promote women's entrepreneurship in green agriculture. | We create green jobs in raw material collection, processing, and distribution, focusing on youth and women, and train farmers and workers on sustainable agriculture and IPM, improving skills and income. Our eco-friendly fertilizer alternatives reduce pollution and enhance soil and food safety. |

## FINANCIALS

|                 |               |
|-----------------|---------------|
| 2025 REVENUE    | —             |
| 2025 EXPENSES   | \$0           |
| CAPITAL RAISED  | \$28,000      |
| TARGET RAISE    | \$210,000     |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | No            |
| 2025 STATEMENTS | No            |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2025      |
| LOCATION       | Al-Salt   |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 3 of 3    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Leena A. Irshaid, Sahar Fararjeh, Hiba Suliman Al-Khateeb

## CONTACT

### NAME

Leena A. Irshaid

### EMAIL

l.irshaid@bau.edu.jo

JORDAN · HOUSEHOLD & PERSONAL CARE PRODUCTS

# Dion

A skin brand specialised in treating the side effects of non-surgical cosmetic procedures

## COMPANY OVERVIEW

### PROBLEM

We are inventing a natural product that has similar activity to cortisone treatment.

### SOLUTION

The Dion After Laser Spray is a biocompatible, clinical-grade recovery solution to replace corticosteroids in post-laser care. While clinics rely on side-effect-heavy hydrocortisone, Dion offers a steroid-free mist that instantly dissipates heat and targets acute erythema (redness) without skin thinning or “rebound” inflammation of long-term steroid use, providing an immediate, non-toxic barrier for sensitized skin.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Healthcare/pharma          | Product sales          | Contract manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Repeat customers    | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL         | STAGE OF DEVELOPMENT       |
|------------------------------------|----------------------------|
| TRL 9: Commercial-Scale Deployment | Growth Stage               |
| PROTOTYPE                          | REGULATORY APPROVAL        |
| Yes                                | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC              | REDUCTION VS. ALTERNATIVES   |
|-----------------------------------|------------------------------|
| Other metric                      | Not yet measured             |
| PRIMARY SDG                       | GREEN CHEMISTRY PRINCIPLES   |
| SDG 3: Good Health and Well-being | #4 Designing Safer Chemicals |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                 | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our B2B2C model focuses on medical spas and dermatology clinics, where the vast majority of practitioners, laser technicians, and clinic managers are women. The Dion Recovery System helps female practitioners deliver better results, and we prioritize partnerships with women-owned clinics. | Dion turns Jordan’s pharmaceutical expertise into a health-tech brand, creating R&D and management roles for local pharmacists and scientists. We provide free training to aesthetic practitioners in post-procedural care and PIH prevention, source indigenous botanicals, and partner with local SMEs. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$92,000    |
| 2025 EXPENSES   | \$130,000   |
| CAPITAL RAISED  | \$140,000   |
| TARGET RAISE    | \$2,800,000 |
| GLOBAL TAM      | \$1B-\$10B  |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | Yes         |

## COMPANY FACTS

| SECTOR                             |
|------------------------------------|
| Household & Personal Care Products |
| FOUNDED                            |
| 2019                               |
| LOCATION                           |
| Irbid                              |
| FOUNDERS                           |
| 1                                  |
| WOMEN FOUNDERS                     |
| 0 of 1                             |
| ADVISORS                           |
| Yes                                |

## FOUNDING TEAM

**NAMES**  
Mahmood Omar Haddad

**CONTACT**  
**NAME**  
Mahmood Omar Haddad  
**EMAIL**  
mahmoodhaddad0@gmail.com  
**WEBSITE**  
dionderma.com

JORDAN · CONSTRUCTION & ENGINEERING

# Hassan Odeh Foundation for Stone, Marble and Architectural Arts

Converting stone and marble waste, and recycling stone-cutting slurry into sustainable architectural products

## COMPANY OVERVIEW

### PROBLEM

The construction sector generates large quantities of stone, marble and decorative waste, plus the stone-cutting slurry from manufacturing, disposed of in unsustainable ways that cause pollution, wasted resources and higher costs and emissions. This waste needs converting into products with economic value within a circular-economy model.

### SOLUTION

We convert stone and marble waste, including cutting slurry, into architectural and construction products of high economic value. The slurry is treated by separating water from sediment; the water is reused in industrial processes and the treated solids become new production inputs, cutting landfill, raw-material and water use and emissions.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Construction             | Product sales          | Contract manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Repeat customers    | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                      | STAGE OF DEVELOPMENT    |
|-------------------------------------------------|-------------------------|
| TRL 7: Operational<br>Environment Demonstration | Early Revenue           |
| PROTOTYPE                                       | REGULATORY APPROVAL     |
| Yes                                             | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES |
|---------------------------------|----------------------------|
| Waste diverted                  | 50–75%                     |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES |
| SDG 12: Responsible Consumption | #1 Prevention              |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                                                                                   | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We provide fair training and employment, especially for women, persons with disabilities and disadvantaged groups, in a traditionally male-dominated sector, integrating them into design, management, production and green-industry value chains in a flexible, supportive working environment. Training and empowerment programmes connect beneficiaries with sustainable employment or entrepreneurial projects. | We create direct and indirect jobs in the stone and green-industry sector and provide vocational training in sustainable manufacturing and recycling for young people, women, persons with disabilities and disadvantaged groups. We convert waste into products with economic value, rely on local suppliers and supply chains, connect beneficiaries with employment or small businesses, and work on knowledge transfer, local capacity and community initiatives. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$230,000   |
| 2025 EXPENSES   | \$160,000   |
| CAPITAL RAISED  | \$17,000    |
| TARGET RAISE    | \$1,300,000 |
| GLOBAL TAM      | Over \$10B  |
| FINANCIAL MODEL | No          |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR         | Construction & Engineering |
|----------------|----------------------------|
| FOUNDED        | 2022                       |
| LOCATION       | Amman                      |
| FOUNDERS       | 1                          |
| WOMEN FOUNDERS | 0 of 1                     |
| ADVISORS       | No                         |

Narrative translated from the founder's Arabic submission.

## FOUNDING TEAM

| NAMES                               |
|-------------------------------------|
| Hassan Mohammad Lafi<br>Hassan Odeh |

## CONTACT

| NAME                                     |
|------------------------------------------|
| Hassan Mohammad Lafi<br>Hassan Odeh      |
| EMAIL                                    |
| hasan07888@gmail.com                     |
| WEBSITE                                  |
| linkedin.com/in/<br>hassan-odeh-343884a9 |

JORDAN · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# NanoGlow

Sustainable liposomal delivery platforms for next-generation cosmeceuticals

## COMPANY OVERVIEW

### PROBLEM

Conventional manufacturing of delivery systems such as liposomes uses energy-intensive processes and often hazardous solvents. Jordan and the MENA region import most of these high-tech cosmeceuticals, creating an unmet need to develop the technology locally.

### SOLUTION

Biobased liposomal delivery systems for natural cosmeceuticals using renewable phospholipids and solvent-minimized microfluidic manufacturing, enhancing stability and bioavailability of plant actives and reducing waste, energy use, and synthetic additives. The hybrid B2C/B2B business offers direct-to-consumer products and contract development, manufacturing and licensing, the first of its kind in Jordan.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL    | PRODUCTION APPROACH     |
|--------------------------|-------------------|-------------------------|
| Healthcare/pharma        | Product sales     | University lab space    |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Direct competitors exist | Lower cost        | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| No validation yet   | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL  | STAGE OF DEVELOPMENT       |
|-----------------------------|----------------------------|
| TRL 3: Lab Proof-of-Concept | Idea/Concept               |
| PROTOTYPE                   | REGULATORY APPROVAL        |
| Yes                         | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC              | REDUCTION VS. ALTERNATIVES                                                                                                                                                                                           |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not yet measuring                 | Not yet measured                                                                                                                                                                                                     |
| PRIMARY SDG                       | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                                           |
| SDG 3: Good Health and Well-being | #1 Prevention,<br>#5 Safer Solvents and Auxiliaries,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#10 Design for Degradation,<br>#12 Inherently Safer Chemistry for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                              | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The founder, Professor Sunoqrot, is a leading female researcher with years of expertise in nanomedicine technologies. As the business expands, we will seek to recruit local talent using structured, competency-based interviews, with both genders represented when interviewing applicants. | 1) Technological: nanomedicine expertise becomes consumer products and green manufacturing jobs. 2) Economic: plant-based resources and local talent replace imported, synthetic ingredients. 3) Environmental: biodegradable lipids replace synthetic ingredients and cut the manufacturing carbon footprint. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$0        |
| CAPITAL RAISED  | \$0        |
| TARGET RAISE    | \$99,000   |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Pharmaceuticals, Biotechnology & Life Sciences |
|----------------|------------------------------------------------|
| FOUNDED        | 2025                                           |
| LOCATION       | Amman                                          |
| FOUNDERS       | 1                                              |
| WOMEN FOUNDERS | 1 of 1                                         |
| ADVISORS       | No                                             |

## FOUNDING TEAM

### NAMES

Suhair Sunoqrot

### CONTACT

#### NAME

Suhair Sunoqrot

#### EMAIL

ssunoq2@gmail.com

JORDAN · CHEMICALS

# PIPL

A passive intra-conduit PLA liner engineered to achieve controlled orthophosphate release for corrosion inhibition in pipelines

## COMPANY OVERVIEW

### PROBLEM

Corrosion in water pipelines causes leaks, repairs, water loss, and downtime for energy, mining, and chemical companies. Existing water pipeline protection needs ongoing chemical dosing, maintenance, and monitoring; aging infrastructure needs simpler, reliable protection.

### SOLUTION

ViaSleev is developing a passive PLA-based liner that releases corrosion inhibitors at controlled rates inside mining water pipelines. Inspired by arterial stents, it delivers inhibitors without a powered dosing pump, aiming to reduce equipment maintenance, energy use, and dosing-failure interruptions. Laboratory testing will evaluate corrosion protection, release consistency, service life, and water flow effects.

## BUSINESS & MARKET

|                              |                                             |                                |
|------------------------------|---------------------------------------------|--------------------------------|
| <b>TARGET CUSTOMER</b>       | <b>BUSINESS MODEL</b>                       | <b>PRODUCTION APPROACH</b>     |
| Chemicals & materials        | Technology licensing                        | Still deciding                 |
| <b>COMPETITIVE LANDSCAPE</b> | <b>PRIMARY ADVANTAGE</b>                    | <b>REGISTERED/INCORPORATED</b> |
| Direct competitors exist     | Superior technology / intellectual property | No                             |

## TRACTION & VALIDATION

|                            |                               |                |
|----------------------------|-------------------------------|----------------|
| <b>CUSTOMER VALIDATION</b> | <b>INDEPENDENT VALIDATION</b> | <b>PATENTS</b> |
| No validation yet          | Not yet                       | No             |

## TECHNOLOGY & PRODUCT

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b> | <b>STAGE OF DEVELOPMENT</b> |
| TRL 3: Lab Proof-of-Concept       | Idea/Concept                |
| <b>PROTOTYPE</b>                  | <b>REGULATORY APPROVAL</b>  |
| No                                | Uncertain                   |

## IMPACT

|                             |                                   |
|-----------------------------|-----------------------------------|
| <b>ENVIRONMENTAL METRIC</b> | <b>REDUCTION VS. ALTERNATIVES</b> |
| Energy saved                | More than 75%                     |
| <b>PRIMARY SDG</b>          | <b>GREEN CHEMISTRY PRINCIPLES</b> |
| SDG 6: Clean Water          | #10 Design for Degradation        |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b>                                                                                                                                                                                                                                                                                              | <b>LOCAL COMMUNITY</b>                                                                                                                                                                                                                                                                                 |
| As a woman-led venture in Jordan, ViaSleev plans transparent recruitment, equal pay for equivalent work, and fair access to training and leadership. We aim to encourage women and young researchers into engineering, materials research, and product development through university collaborations and internships. | Our biodegradable PLA liners improve water infrastructure resilience and public health protection during power outages or emergencies. The project creates opportunities for local engineers, researchers, and technicians through research, prototype development, testing, and future manufacturing. |

## FINANCIALS

|                        |            |
|------------------------|------------|
| <b>2025 REVENUE</b>    | —          |
| <b>2025 EXPENSES</b>   | \$0        |
| <b>CAPITAL RAISED</b>  | \$0        |
| <b>TARGET RAISE</b>    | \$14,000   |
| <b>GLOBAL TAM</b>      | Over \$10B |
| <b>FINANCIAL MODEL</b> | No         |
| <b>2025 STATEMENTS</b> | No         |

## COMPANY FACTS

|                       |           |
|-----------------------|-----------|
| <b>SECTOR</b>         | Chemicals |
| <b>FOUNDED</b>        | 2025      |
| <b>LOCATION</b>       | Amman     |
| <b>FOUNDERS</b>       | 1         |
| <b>WOMEN FOUNDERS</b> | 1 of 1    |
| <b>ADVISORS</b>       | Yes       |

## FOUNDING TEAM

**NAMES**  
Iman Sider

## CONTACT

**NAME**  
Iman Sider  
**EMAIL**  
iman.sider.sr@gmail.com  
**WEBSITE**  
viasleev.com

JORDAN · HOUSEHOLD & PERSONAL CARE PRODUCTS

# WashyWash

Washy brand creates household cleaning products from real experience and real ingredients

## COMPANY OVERVIEW

### PROBLEM

The conventional laundry industry relies on petroleum-based surfactants and toxic additives that cause persistent water pollution and severe skin irritation. Our solution addresses this by replacing harsh synthetics with a gentle, renewable alternative.

### SOLUTION

Our product is a high-performance detergent that uses olive oil to engineer a proprietary, oleic-acid-based surfactant system; we eliminate the need for petroleum-derived chemicals. Our innovation lies in unique additives in addition to the olive oil that keep the formula effective in cold water and have the same performance as traditional detergents. This outperforms both harsh synthetics and traditional natural soaps by protecting delicate fabric fibers and sensitive skin. It effectively plugs into a circular economy solution for the global laundry market.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Other                    | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT       |
|---------------------------------------------|----------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP              |
| PROTOTYPE                                   | REGULATORY APPROVAL        |
| Yes                                         | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC              | REDUCTION VS. ALTERNATIVES                                                                                                 |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Toxics eliminated                 | Not yet measured                                                                                                           |
| PRIMARY SDG                       | GREEN CHEMISTRY PRINCIPLES                                                                                                 |
| SDG 3: Good Health and Well-being | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                       | LOCAL COMMUNITY                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We plan to hire refugees and women from vulnerable communities to do low-key tasks such as product packaging and labeling instead of relying on automation from day 1. We will also source our natural feedstocks such as olive oil and lavender essential oil from local farms instead of big petrochemical companies. | Our workers have a healthy, non-toxic environment, a salary at least 30% above the market rate, job security rather than daily pay depending on workload (80% of the market follows this model), and social security at the correct rate. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$110,000  |
| CAPITAL RAISED  | \$0        |
| TARGET RAISE    | \$490,000  |
| GLOBAL TAM      | \$1B-\$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

| SECTOR         | Household & Personal Care Products |
|----------------|------------------------------------|
| FOUNDED        | 2025                               |
| LOCATION       | Amman                              |
| FOUNDERS       | 3                                  |
| WOMEN FOUNDERS | 1 of 3                             |
| ADVISORS       | No                                 |

## FOUNDING TEAM

**NAMES**  
Mazen Darwish, Omar Tubasi,  
Nada Jaffal

## CONTACT

**NAME**  
Mazen Darwish  
**EMAIL**  
mazen@washywash.com  
**WEBSITE**  
washywash.com

JORDAN · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# Zemar

Waste oils into bioactive lipids for sustainable and innovative veterinary pharmaceutical treatments

## COMPANY OVERVIEW

### PROBLEM

Livestock and poultry farming face a dual crisis: waste cooking oil damages ecosystems, while heavy antibiotic overuse drives antimicrobial resistance (AMR) and costly withdrawal periods.

### SOLUTION

Zemar uses green chemistry to upcycle used cooking oil into high-purity ( $\geq 85\%$ ) MAGs/GML as veterinary antibiotic alternatives, and issues carbon credit and emission reduction certificates in line with the Paris Agreement. It is 15% cheaper than imports, requires zero withdrawal time, and eliminates supply chain delays.

## BUSINESS & MARKET

|                                                          |                                                                         |                                                                         |
|----------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>TARGET CUSTOMER</b><br>Healthcare/pharma              | <b>BUSINESS MODEL</b><br>Technology licensing                           | <b>PRODUCTION APPROACH</b><br>Public workspace with tools (maker space) |
| <b>COMPETITIVE LANDSCAPE</b><br>Direct competitors exist | <b>PRIMARY ADVANTAGE</b><br>Superior technology / intellectual property | <b>REGISTERED/INCORPORATED</b><br>No                                    |

## TRACTION & VALIDATION

|                                                 |                                          |                       |
|-------------------------------------------------|------------------------------------------|-----------------------|
| <b>CUSTOMER VALIDATION</b><br>No validation yet | <b>INDEPENDENT VALIDATION</b><br>Not yet | <b>PATENTS</b><br>Yes |
|-------------------------------------------------|------------------------------------------|-----------------------|

## TECHNOLOGY & PRODUCT

|                                                                    |                                                  |
|--------------------------------------------------------------------|--------------------------------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b><br>TRL 2: Technology Formulation | <b>STAGE OF DEVELOPMENT</b><br>Prototype/MVP     |
| <b>PROTOTYPE</b><br>No                                             | <b>REGULATORY APPROVAL</b><br>No approval needed |

## IMPACT

|                                                    |                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b><br>Waste diverted      | <b>REDUCTION VS. ALTERNATIVES</b><br>50–75%                                                               |
| <b>PRIMARY SDG</b><br>SDG 9: Industry & Innovation | <b>GREEN CHEMISTRY PRINCIPLES</b><br>#1 Prevention, #2 Atom Economy, #3 Less Hazardous Chemical Syntheses |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b><br>As a female-led venture in chemical engineering, Zemar advances gender equality and empowers women in STEM, providing high-level technical opportunities for local female engineers. We prioritize mentorship and training for young women in biotechnology, ensuring an equal seat at the table. | <b>LOCAL COMMUNITY</b><br>Zemar fosters innovation, mentorship, and professional growth for female engineers, creating opportunities in biotechnology and sustainable solutions. By supporting inclusive leadership, Zemar contributes to advancing a circular bio-economy. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FINANCIALS

|                        |               |
|------------------------|---------------|
| <b>2025 REVENUE</b>    | —             |
| <b>2025 EXPENSES</b>   | \$0           |
| <b>CAPITAL RAISED</b>  | \$2,100       |
| <b>TARGET RAISE</b>    | —             |
| <b>GLOBAL TAM</b>      | \$100M–\$500M |
| <b>FINANCIAL MODEL</b> | No            |
| <b>2025 STATEMENTS</b> | No            |

## COMPANY FACTS

|                                                                 |        |
|-----------------------------------------------------------------|--------|
| <b>SECTOR</b><br>Pharmaceuticals, Biotechnology & Life Sciences |        |
| <b>FOUNDED</b>                                                  | 2021   |
| <b>LOCATION</b>                                                 | Irbid  |
| <b>FOUNDERS</b>                                                 | 1      |
| <b>WOMEN FOUNDERS</b>                                           | 1 of 1 |
| <b>ADVISORS</b>                                                 | Yes    |

## FOUNDING TEAM

### NAMES

Sadeel Alazzh

### CONTACT

#### NAME

Sadeel Alazzh

#### EMAIL

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#### WEBSITE

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Global Greenchem  
Innovation & Network Program

2026 COHORT · GREEN CHEMISTRY ACCELERATOR PROGRAM 2026 – PERU

# Peru

16 companies

BioChallwa

BotaniShield 30 CE

Clear Energy SAC

Delisetas

Eco Rumi S.A.C

Ecopiro S.A.C.

H2Bread

Hanqa

Hifae

Hope Biomaterials

Inspirall

Livanguard

Pintaykuna

Quiasa Consulting SRL

Stari Yaqua

Textipla

NATIONAL IMPLEMENTING PARTNER



GRUPO  
**GEA**  
Innovación & Economía Circular

Grupo GEA

PERU · 16 COMPANIES

# Peru Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 0         | 0%    |
| Prototype/MVP        | 5         | 31%   |
| Pilot/Beta           | 6         | 38%   |
| Early Revenue        | 1         | 6%    |
| Growth Stage         | 4         | 25%   |

| SECTOR                                         | COMPANIES | SHARE |
|------------------------------------------------|-----------|-------|
| Pharmaceuticals, Biotechnology & Life Sciences | 3         | 19%   |
| Agriculture & Aquaculture                      | 2         | 13%   |
| Chemicals                                      | 2         | 13%   |
| Building Products                              | 1         | 6%    |
| Construction & Engineering                     | 1         | 6%    |
| Construction Materials                         | 1         | 6%    |
| Containers & Packaging                         | 1         | 6%    |
| Food & Beverage                                | 1         | 6%    |
| Machinery & Electrical Equipment               | 1         | 6%    |
| Paper & Forest Products                        | 1         | 6%    |
| Textiles, Apparel & Luxury Goods               | 1         | 6%    |
| Utilities                                      | 1         | 6%    |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 0         | 0%    |
| Development (TRL 4–6)      | 11        | 69%   |
| Deployment (TRL 7–9)       | 5         | 31%   |

| LEGAL                      | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Registered or incorporated | 11        | 69%   |
| Patents reported           | 6         | 38%   |

| GEOGRAPHY                                                                              | CITIES |
|----------------------------------------------------------------------------------------|--------|
| Cities represented                                                                     | 8      |
| Lima (8) · Arequipa (2) · Huancayo · Huánuco · Ica · Pucallpa · Tingo María · Trujillo |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 37       | 16        | 100%  |
| Women founders | 12       | 10        | 63%   |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$2,300,000 | 15        | 94%   |
| Capital raised to date | \$610,000   | 14        | 88%   |
| 2025 revenue           | \$390,000   | 8         | 50%   |

## REPORTING 2025 REVENUE

Clear Energy SAC · Delisetas · Hanqa · Hifae · Inspirall · Livanguard · Quiasa Consulting SRL · Stari Yaqua

PERU · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# BioChalllwa

We develop innovative organic biofertilizers from fishery waste for sustainable agriculture

## COMPANY OVERVIEW

### PROBLEM

Thousands of tonnes of fish waste are improperly discarded, generating pollution and wasting a valuable resource. At the same time, farmers depend on high-cost synthetic fertilizers that degrade the soil. BioChalllwa transforms this waste into organic biofertilizers, promoting the circular economy, regenerating soils and improving agricultural productivity.

### SOLUTION

BioChalllwa develops liquid organic biofertilizers from fish waste through a biotechnological process that transforms a residue into a high-value agricultural input. The solution improves soil fertility, provides macro- and micronutrients, promotes crop growth and reduces dependence on synthetic fertilizers. It is differentiated by its circular economy approach, validation through laboratory analysis, technical support for the farmer and a formulation with high nutritional content that promotes more sustainable and profitable agriculture.

## BUSINESS & MARKET

|                                                          |                                                                         |                                                      |
|----------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|
| <b>TARGET CUSTOMER</b><br>Agriculture & food             | <b>BUSINESS MODEL</b><br>Product sales                                  | <b>PRODUCTION APPROACH</b><br>In-house manufacturing |
| <b>COMPETITIVE LANDSCAPE</b><br>Direct competitors exist | <b>PRIMARY ADVANTAGE</b><br>Superior technology / intellectual property | <b>REGISTERED/INCORPORATED</b><br>Yes                |

## TRACTION & VALIDATION

|                                               |                                                       |                       |
|-----------------------------------------------|-------------------------------------------------------|-----------------------|
| <b>CUSTOMER VALIDATION</b><br>Pilot customers | <b>INDEPENDENT VALIDATION</b><br>Yes, independent lab | <b>PATENTS</b><br>Yes |
|-----------------------------------------------|-------------------------------------------------------|-----------------------|

## TECHNOLOGY & PRODUCT

|                                                                                 |                                                  |
|---------------------------------------------------------------------------------|--------------------------------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b><br>TRL 6: Large-Scale Prototype Demonstration | <b>STAGE OF DEVELOPMENT</b><br>Prototype/MVP     |
| <b>PROTOTYPE</b><br>Yes                                                         | <b>REGULATORY APPROVAL</b><br>No approval needed |

## IMPACT

|                                                       |                                                                     |
|-------------------------------------------------------|---------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b><br>Waste diverted         | <b>REDUCTION VS. ALTERNATIVES</b><br>Not yet measured               |
| <b>PRIMARY SDG</b><br>SDG 12: Responsible Consumption | <b>GREEN CHEMISTRY PRINCIPLES</b><br>#7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b><br>BioChalllwa promotes equal opportunities through hiring and collaboration processes without distinction of gender, age or origin. We encourage the participation of women in production, commercialization, training and agricultural entrepreneurship activities. | <b>LOCAL COMMUNITY</b><br>BioChalllwa generates positive impact by valorizing fish waste from local markets, creating opportunities for more sustainable management of these resources. It also drives capacity building through training and technical assistance for farmers, promoting sustainable agriculture practices, improving crop productivity and strengthening the local economy. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FINANCIALS

|                        |            |
|------------------------|------------|
| <b>2025 REVENUE</b>    | \$0        |
| <b>2025 EXPENSES</b>   | \$0        |
| <b>CAPITAL RAISED</b>  | \$20,000   |
| <b>TARGET RAISE</b>    | \$29,000   |
| <b>GLOBAL TAM</b>      | \$1B-\$10B |
| <b>FINANCIAL MODEL</b> | No         |
| <b>2025 STATEMENTS</b> | No         |

## COMPANY FACTS

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <b>SECTOR</b><br>Pharmaceuticals, Biotechnology & Life Sciences |          |
| <b>FOUNDED</b>                                                  | 2022     |
| <b>LOCATION</b>                                                 | Huancayo |
| <b>FOUNDERS</b>                                                 | 3        |
| <b>WOMEN FOUNDERS</b>                                           | 1 of 3   |
| <b>ADVISORS</b>                                                 | No       |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

**NAMES**  
Piero Florian Cordova Sierra,  
Dayana Nicole Quilca Vasquez,  
Luis Giampierre Gutierrez Reyes

## CONTACT

**NAME**  
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**EMAIL**  
biochalllwa@gmail.com  
**WEBSITE**  
facebook.com/Biochalllwa

PERU · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# BotaniShield 30 CE

Biotechnology company for pest control

## COMPANY OVERVIEW

### PROBLEM

Pest resistance and residues in food.

### SOLUTION

Botanical mixture that controls pests.

## BUSINESS & MARKET

| TARGET CUSTOMER                    | BUSINESS MODEL    | PRODUCTION APPROACH     |
|------------------------------------|-------------------|-------------------------|
| Agriculture & food                 | Product sales     | In-house manufacturing  |
| COMPETITIVE LANDSCAPE              | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Market is dominated by 1–2 players | Lower cost        | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT    |
|----------------------------|-------------------------|
| TRL 5: Pilot Validation    | Prototype/MVP           |
| PROTOTYPE                  | REGULATORY APPROVAL     |
| Yes                        | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                 |
|---------------------------------|----------------------------------------------------------------------------|
| Waste diverted                  | Less than 25%                                                              |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                 |
| SDG 12: Responsible Consumption | #3 Less Hazardous Chemical Syntheses,<br>#5 Safer Solvents and Auxiliaries |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY   | LOCAL COMMUNITY                 |
|---------------------|---------------------------------|
| It is led by women. | Oils produced in Peru are used. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | —            |
| 2025 EXPENSES   | —            |
| CAPITAL RAISED  | \$0          |
| TARGET RAISE    | \$29,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | Yes          |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

### SECTOR

Pharmaceuticals, Biotechnology & Life Sciences

FOUNDED 2026

LOCATION Ica

FOUNDERS 1

WOMEN FOUNDERS 0 of 1

ADVISORS No

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Sebastian Iglesias

## CONTACT

### NAME

Sebastian Iglesias

### EMAIL

sebasiglo@gmail.com

PERU · PAPER & FOREST PRODUCTS

# Clear Energy SAC

Circularizes organic waste streams, providing value to agroindustrial producers, CO<sub>2</sub> removal and market access

## COMPANY OVERVIEW

### PROBLEM

The specific problem we are addressing in Química Verde is the 10,000 tonnes per year of forest-industry waste generated by a sawmill wood-product manufacturing facility in the Peruvian Amazon. Its huge footprint is an urgent problem, as is reducing the carbon intensity of export products.

### SOLUTION

1. Industrial-grade biochar produced in the Peruvian Amazon to balance soils and improve yields (e.g., cacao, café de sombra, açai). 2. High-quality Carbon Dioxide Removal (CDR) credits from the heart of the Amazon rainforest.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL    | PRODUCTION APPROACH     |
|----------------------------|-------------------|-------------------------|
| Agriculture & food         | Service provider  | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Only indirect alternatives | First mover       | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Paying customers    | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Pilot/Beta              |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES |
|-------------------------------------------|----------------------------|
| Carbon dioxide / greenhouse gas reduction | More than 75%              |

### PRIMARY SDG

SDG 13: Climate Action

### GREEN CHEMISTRY PRINCIPLES

#3 Less Hazardous Chemical Syntheses,  
#7 Use of Renewable Feedstocks,  
#10 Design for Degradation,  
#11 Real-Time Analysis for Pollution Prevention

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

We support rural producers. Our last bioenergy project was with a Brazil nut-harvesting association, led by a female president and staffed by over 50 women working in the production facility in Madre de Dios, Peru. We believe that rural poverty severely limits opportunities for women, and work to change that one project at a time.

### LOCAL COMMUNITY

We help the local community by making their manufacturing processes more efficient, increasing the value of their waste streams through transformation, and/or making their products eligible for export/organic markets.

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$5,400     |
| 2025 EXPENSES   | \$4,700     |
| CAPITAL RAISED  | \$60,000    |
| TARGET RAISE    | \$1,000,000 |
| GLOBAL TAM      | \$1B-\$10B  |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR         | Paper & Forest Products |
|----------------|-------------------------|
| FOUNDED        | 2020                    |
| LOCATION       | Lima                    |
| FOUNDERS       | 2                       |
| WOMEN FOUNDERS | 0 of 2                  |
| ADVISORS       | No                      |

## FOUNDING TEAM

### NAMES

Manuel Espinoza Condemarin,  
Yare Segura

### CONTACT

#### NAME

Manuel Espinoza Condemarin

#### EMAIL

mespinozac.consulting@gmail.com

PERU · AGRICULTURE & AQUACULTURE

# Delisetas

We convert agricultural and forestry waste into healthy microproteins through sustainable circular biotechnology

## COMPANY OVERVIEW

### PROBLEM

Thousands of tonnes of agricultural and forestry waste go unused or are burned, generating pollution and economic losses, while demand for healthy and sustainable food is growing. Delisetas transforms this waste into edible mushrooms rich in fibre and protein.

### SOLUTION

Delisetas transforms agricultural and forestry waste into edible mushrooms through a sustainable biotechnological process, converting normally wasted agro-industrial by-products into foods rich in fibre, proteins and functional compounds. Unlike other alternatives, we combine circular economy, food security and sustainable production, reducing environmental impact and generating new income for local producers.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL    | PRODUCTION APPROACH                       |
|----------------------------|-------------------|-------------------------------------------|
| Agriculture & food         | Product sales     | Public workspace with tools (maker space) |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED                   |
| Only indirect alternatives | Lower cost        | No                                        |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Paying customers    | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT    |
|----------------------------|-------------------------|
| TRL 5: Pilot Validation    | Pilot/Beta              |
| PROTOTYPE                  | REGULATORY APPROVAL     |
| Yes                        | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES |
|-------------------------------------------|----------------------------|
| Carbon dioxide / greenhouse gas reduction | 25–50%                     |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES |
| SDG 12: Responsible Consumption           | #1 Prevention              |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                             | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Delisetas generates employment and entrepreneurship opportunities for women in rural and urban communities, encouraging their participation at every stage of the value chain. We promote training in biotechnology, sustainable production and enterprise management, strengthening their economic autonomy. | Delisetas generates local employment collecting and valorizing agricultural and forestry waste, and trains producers and rural communities in mushroom cultivation, waste management and applied biotechnology. Our model encourages local entrepreneurship and improves the income of small producers. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$2,500     |
| 2025 EXPENSES   | \$1,500     |
| CAPITAL RAISED  | \$1,900     |
| TARGET RAISE    | \$29,000    |
| GLOBAL TAM      | \$500M–\$1B |
| FINANCIAL MODEL | No          |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR                    |
|---------------------------|
| Agriculture & Aquaculture |
| FOUNDED                   |
| 2024                      |
| LOCATION                  |
| Tingo María               |
| FOUNDERS                  |
| 1                         |
| WOMEN FOUNDERS            |
| 0 of 1                    |
| ADVISORS                  |
| No                        |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Jose David Amacifuen Mautino

### CONTACT

#### NAME

Jose David Amacifuen Mautino

#### EMAIL

jose.amacifuen@unas.edu.pe

#### WEBSITE

linktr.ee/JoseAmacifuen25

PERU · CONSTRUCTION MATERIALS

# Eco Rumi S.A.C

We give a second life to materials that many consider waste, transforming them into sustainable housing

## COMPANY OVERVIEW

### PROBLEM

Barely 20% of paper and less than 20% of glass are recycled, while construction debris and sillar waste go unused. With nopal mucilage as a binder, we transform these materials into ecological bricks within a circular economy model.

### SOLUTION

Our product is ecological bricks with regional identity, made from paper, glass, construction debris and sillar waste, with nopal mucilage as a natural binder. It addresses the low recycling rate and deficient waste management in Arequipa, transforming waste into inputs for sustainable construction. It partially replaces cement, reducing emissions and preventing huacos from washing waste into the cities.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Construction               | Product sales          | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Sustainability benefit | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC         | REDUCTION VS. ALTERNATIVES                                                                                                                                                                                             |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste diverted               | 25–50%                                                                                                                                                                                                                 |
| PRIMARY SDG                  | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                                             |
| SDG 9: Industry & Innovation | #1 Prevention, #2 Atom Economy, #5 Safer Solvents and Auxiliaries, #6 Design for Energy Efficiency, #7 Use of Renewable Feedstocks, #10 Design for Degradation, #12 Inherently Safer Chemistry for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                      | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We offer employment and training for women in sustainable construction, a traditionally male sector, drive their participation in technical and management processes, encourage female leadership and ensure equal conditions in hiring and pay. We also create inclusive spaces that value diversity. | We generate inclusive employment in waste collection and transformation and offer technical training for construction foremen and young professionals. By converting waste into affordable ecological bricks, we reduce housing costs and encourage the circular economy, strengthening regional development. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | —          |
| 2025 EXPENSES   | \$9,900    |
| CAPITAL RAISED  | \$9,300    |
| TARGET RAISE    | —          |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Construction Materials |
|----------------|------------------------|
| FOUNDED        | 2025                   |
| LOCATION       | Arequipa               |
| FOUNDERS       | 2                      |
| WOMEN FOUNDERS | 1 of 2                 |
| ADVISORS       | No                     |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

| NAMES                                             |
|---------------------------------------------------|
| Flor Caceres Rosas,<br>José Fernando Arango Rosas |
| CONTACT                                           |
| <b>NAME</b><br>José Fernando Arango Rosas         |
| <b>EMAIL</b><br>u19396985@gmail.com               |

PERU · CHEMICALS

# Ecopiro S.A.C.

Plant that transforms end-of-life tyres into fuel, char and steel through self-sustaining pyrolysis technology

## COMPANY OVERVIEW

### PROBLEM

The accumulation of end-of-life tyres causes health crises and high industrial costs. Their valorization is urgently needed to halt environmental damage and to transition towards a circular economy.

### SOLUTION

Ecopiro S.A.C. addresses the crisis of end-of-life tyres (NFU) in Trujillo, whose accumulation degrades soils and generates health risks. Through closed-loop pyrolysis, it replaces informal burning with a green chemistry process that valorizes 2 t/day of waste into pyrolytic oil, char and steel, eliminating effluents, mitigating gaseous emissions and achieving energy self-sufficiency by reusing its own by-products.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL    | PRODUCTION APPROACH     |
|----------------------------|-------------------|-------------------------|
| Waste management           | Product sales     | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Only indirect alternatives | Lower cost        | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Yes, independent lab   | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                    | STAGE OF DEVELOPMENT       |
|-----------------------------------------------|----------------------------|
| TRL 6: Large-Scale<br>Prototype Demonstration | Pilot/Beta                 |
| PROTOTYPE                                     | REGULATORY APPROVAL        |
| Yes                                           | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC   | REDUCTION VS. ALTERNATIVES                                                                                                                            |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste diverted         | More than 75%                                                                                                                                         |
| PRIMARY SDG            | GREEN CHEMISTRY PRINCIPLES                                                                                                                            |
| SDG 13: Climate Action | #1 Prevention, #2 Atom Economy,<br>#5 Safer Solvents and Auxiliaries,<br>#8 Reduce Derivatives,<br>#11 Real-Time Analysis<br>for Pollution Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                  | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecopiro S.A.C.'s inclusive "green employment" model in Trujillo integrates women into technical and environmental management roles. Selection is strictly by technical competency, regardless of gender. It offers training in green chemistry and pyrolysis and guarantees safe and dignified working conditions. | Ecopiro S.A.C. improves public health in Trujillo: eliminating tyre accumulation and open-air burning reduces exposure to toxic pollutants and breeding grounds for disease vectors such as dengue. The plant creates technical and operational green jobs and promotes the formalization of the recycling sector. |

## FINANCIALS

|                 |               |
|-----------------|---------------|
| 2025 REVENUE    | —             |
| 2025 EXPENSES   | —             |
| CAPITAL RAISED  | \$100,000     |
| TARGET RAISE    | \$44,000      |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | Yes           |
| 2025 STATEMENTS | No            |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2024      |
| LOCATION       | Trujillo  |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 0 of 3    |
| ADVISORS       | Yes       |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Jean Cristopher Elias Leon Mallqui,  
Andres Sebastian Gonzalez Angulo,  
Nelson Cruz

### CONTACT

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Nelson Cruz  
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PERU · MACHINERY & ELECTRICAL EQUIPMENT

# H2Bread

H2Bread transforms industrial baking thermochemistry by replacing fossil fuels with in-situ green hydrogen

## COMPANY OVERVIEW

### PROBLEM

Industrial baking faces thermochemical problems: inefficient LPG combustion generates CO and PM2.5, harming food safety and causing 12% product loss. The main alternative, alkaline hydrogen electrolysis, uses 30% KOH, a corrosive and toxic chemical, posing serious risks in food manufacturing.

### SOLUTION

We redesigned the chemical process by replacing hazardous synthesis with a PEM cell that splits pure deionized water, eliminating KOH. The green hydrogen feeds a 0.8 mm Venturi hybrid combustion system, maintaining  $\pm 1$  °C.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Agriculture & food         | Contract manufacturing                      | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT       |
|----------------------------|----------------------------|
| TRL 5: Pilot Validation    | Pilot/Beta                 |
| PROTOTYPE                  | REGULATORY APPROVAL        |
| Yes                        | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                                                                                                                                                                                                |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | 25–50%                                                                                                                                                                                                                    |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                                                |
| SDG 7: Clean Energy                       | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#12 Inherently Safer Chemistry for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                               | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our COO, Medali Pacheco, leads technical and food regulatory validation. H2Bread runs a training program based on technical equity, actively training women to operate, maintain, and manage hydrogen IoT platforms. This initiative helps close the historical gender gap in energy and industrial management within bakeries. | We transform the labour and health ecosystem at the base of the urban industrial sector, eliminating the systematic exposure of thousands of bakers to toxic gases, hazardous solvents and carbon monoxide, restoring dignity to their respiratory health. In addition, we guarantee food sovereignty by producing healthy food and preventing waste, in an economy where optimizing food is a social imperative. |

## FINANCIALS

|                 |               |
|-----------------|---------------|
| 2025 REVENUE    | —             |
| 2025 EXPENSES   | \$0           |
| CAPITAL RAISED  | \$38,000      |
| TARGET RAISE    | \$150,000     |
| GLOBAL TAM      | \$100M–\$500M |
| FINANCIAL MODEL | No            |
| 2025 STATEMENTS | No            |

## COMPANY FACTS

|                |                                  |
|----------------|----------------------------------|
| SECTOR         | Machinery & Electrical Equipment |
| FOUNDED        | 2025                             |
| LOCATION       | Lima                             |
| FOUNDERS       | 3                                |
| WOMEN FOUNDERS | 1 of 3                           |
| ADVISORS       | No                               |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

**NAMES**  
Jorge Luis Pineda Aponte,  
Miguel Angel Pineda Brioso,  
Medali Pacheco Lazaro

## CONTACT

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h2bread.com

PERU · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# Hanqa

Cleantech that transforms quinoa husk into sustainable cleaning products for households

## COMPANY OVERVIEW

### PROBLEM

The quinoa agro-industry generates residual husk rich in saponins that is often discarded or little used. Many households still use cleaners with harsh chemicals. Hanqa seeks to transform that residue into natural, safe and biodegradable cleaning products.

### SOLUTION

Hanqa, a Peruvian cleantech company, develops natural household cleaning products from saponins extracted from quinoa husk, turning an under-used agro-industrial residue into a functional, biodegradable, plant-based ingredient. Unlike cleaners with petrochemical surfactants or harsh chemicals, Hanqa combines circular economy, applied biotechnology and natural ingredients in a safer, more sustainable alternative.

## BUSINESS & MARKET

|                                                          |                                                                         |                                                      |
|----------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|
| <b>TARGET CUSTOMER</b><br>Consumer goods                 | <b>BUSINESS MODEL</b><br>Product sales                                  | <b>PRODUCTION APPROACH</b><br>In-house manufacturing |
| <b>COMPETITIVE LANDSCAPE</b><br>Direct competitors exist | <b>PRIMARY ADVANTAGE</b><br>Superior technology / intellectual property | <b>REGISTERED/INCORPORATED</b><br>Yes                |

## TRACTION & VALIDATION

|                                                |                                                           |                      |
|------------------------------------------------|-----------------------------------------------------------|----------------------|
| <b>CUSTOMER VALIDATION</b><br>Paying customers | <b>INDEPENDENT VALIDATION</b><br>Yes, industry laboratory | <b>PATENTS</b><br>No |
|------------------------------------------------|-----------------------------------------------------------|----------------------|

## TECHNOLOGY & PRODUCT

|                                                                         |                                                          |
|-------------------------------------------------------------------------|----------------------------------------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b><br>TRL 9: Commercial-Scale Deployment | <b>STAGE OF DEVELOPMENT</b><br>Early Revenue             |
| <b>PROTOTYPE</b><br>Yes                                                 | <b>REGULATORY APPROVAL</b><br>Yes, major approval needed |

## IMPACT

|                                                       |                                                                                                                                                                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b><br>Waste diverted         | <b>REDUCTION VS. ALTERNATIVES</b><br>Not yet measured                                                                                                                                                                    |
| <b>PRIMARY SDG</b><br>SDG 12: Responsible Consumption | <b>GREEN CHEMISTRY PRINCIPLES</b><br>#1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#7 Use of Renewable Feedstocks,<br>#8 Reduce Derivatives,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b><br>Hanqa is led by a woman entrepreneur, Cynthia Yali. Its products protect the health of Peruvian women, the main household purchasing decision-makers and the most exposed to harsh compounds. It also promotes the participation of women and young people in entrepreneurship, formulation and commercialization. | <b>LOCAL COMMUNITY</b><br>Hanqa valorizes quinoa husk, an agro-industrial residue, as an input for sustainable cleaning, and works with local producers to source Peruvian essential oils and botanical actives, strengthening a fairer value chain. This generates economic opportunities and promotes Peruvian biodiversity. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FINANCIALS

|                        |            |
|------------------------|------------|
| <b>2025 REVENUE</b>    | \$13,000   |
| <b>2025 EXPENSES</b>   | \$5,800    |
| <b>CAPITAL RAISED</b>  | \$0        |
| <b>TARGET RAISE</b>    | \$58,000   |
| <b>GLOBAL TAM</b>      | Over \$10B |
| <b>FINANCIAL MODEL</b> | No         |
| <b>2025 STATEMENTS</b> | No         |

## COMPANY FACTS

### SECTOR

Pharmaceuticals, Biotechnology & Life Sciences

**FOUNDED** 2020

**LOCATION** Lima

**FOUNDERS** 2

**WOMEN FOUNDERS** 1 of 2

**ADVISORS** No

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Luigi David Yali Sinche,  
Cynthia Yali Sinche

## CONTACT

### NAME

Cynthia Yali Sinche

### EMAIL

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### WEBSITE

hanqa.pe

PERU · CONTAINERS & PACKAGING

# Hifae

We synthesize biodegradable industrial biopolymers using local textile waste and fungal mycelium for custom packaging

## COMPANY OVERVIEW

### PROBLEM

Conventional expanded polystyrene takes 500 years to degrade, but e-commerce micro- and small enterprises face barriers to replacing it: costly metal moulds and production runs of 5,000 units. Tonnes of clean local textile waste are incinerated for lack of recycling.

### SOLUTION

Hifae is a structural biopolymer that fuses fungal mycelium with local textile waste at zero cost. Rapid modular digital mould-making biofabricates 100% biodegradable packaging adapted to the client's product, with no fixed moulds or minimum production runs. It returns to the earth as organic humus in less than five months, outperforming expanded polystyrene in sustainability and cardboard in passive thermal insulation.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Manufacturing              | Service provider                            | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Paying customers    | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL         | STAGE OF DEVELOPMENT |
|------------------------------------|----------------------|
| TRL 9: Commercial-Scale Deployment | Growth Stage         |
| PROTOTYPE                          | REGULATORY APPROVAL  |
| Yes                                | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                                                                                                   |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste diverted                  | More than 75%                                                                                                                                                |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                                                                                                   |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                         | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We are led by a woman CEO who understands first-hand the gender gaps in entrepreneurship and technological innovation. We promote the participation of women scientists and technologists in our bio-laboratory, with women holding key roles in decision-making and in developing our materials science. | We remove and valorize tonnes of textile waste from local neighbourhoods that would otherwise overwhelm urban dumps or be illegally incinerated in the streets, harming public health. We also give small businesses access to premium, sustainable packaging that raises the value of their products. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$5,800     |
| 2025 EXPENSES   | —           |
| CAPITAL RAISED  | \$1,500     |
| TARGET RAISE    | \$15,000    |
| GLOBAL TAM      | \$500M–\$1B |
| FINANCIAL MODEL | No          |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR                 |
|------------------------|
| Containers & Packaging |
| FOUNDED                |
| 2022                   |
| LOCATION               |
| Lima                   |
| FOUNDERS               |
| 2                      |
| WOMEN FOUNDERS         |
| 1 of 2                 |
| ADVISORS               |
| Yes                    |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

David Daniel Enrique Reyes,  
Samantha Sofia Horqque Vasquez

### CONTACT

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PERU · TEXTILES, APPAREL & LUXURY GOODS

# Hope Biomaterials

Venture that transforms agro-industrial waste into sustainable bio-leather with high technical performance

## COMPANY OVERVIEW

### PROBLEM

Synthetic leather emits 30–40 kg CO<sub>2</sub>e/m<sup>2</sup> and generates microplastics, while animal leather exceeds 100 kg CO<sub>2</sub>e/m<sup>2</sup> and uses toxic chemicals. Brands and manufacturers face higher costs, legal risks and loss of competitiveness.

### SOLUTION

Hope Biomaterials develops a bio-leather from agro-industrial waste, replacing animal and synthetic leather. Our technology reduces CO<sub>2</sub>e by 50–70%, eliminates microplastics and avoids toxic chemicals. It offers high breathability, does not irritate the skin and withstands >10,000 cycles, validated by CITE Cuero. It is scalable, biodegradable and meets ESG standards.

## BUSINESS & MARKET

|                                                          |                                                                         |                                                      |
|----------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|
| <b>TARGET CUSTOMER</b><br>Textiles                       | <b>BUSINESS MODEL</b><br>Product sales                                  | <b>PRODUCTION APPROACH</b><br>In-house manufacturing |
| <b>COMPETITIVE LANDSCAPE</b><br>Direct competitors exist | <b>PRIMARY ADVANTAGE</b><br>Superior technology / intellectual property | <b>REGISTERED/INCORPORATED</b><br>Yes                |

## TRACTION & VALIDATION

|                                               |                                                       |                       |
|-----------------------------------------------|-------------------------------------------------------|-----------------------|
| <b>CUSTOMER VALIDATION</b><br>Pilot customers | <b>INDEPENDENT VALIDATION</b><br>Yes, independent lab | <b>PATENTS</b><br>Yes |
|-----------------------------------------------|-------------------------------------------------------|-----------------------|

## TECHNOLOGY & PRODUCT

|                                                                                      |                                                  |
|--------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b><br>TRL 7: Operational<br>Environment Demonstration | <b>STAGE OF DEVELOPMENT</b><br>Pilot/Beta        |
| <b>PROTOTYPE</b><br>Yes                                                              | <b>REGULATORY APPROVAL</b><br>No approval needed |

## IMPACT

|                                                  |                                                                                                                                                                                                                                |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b><br>Toxics eliminated | <b>REDUCTION VS. ALTERNATIVES</b><br>More than 75%                                                                                                                                                                             |
| <b>PRIMARY SDG</b><br>SDG 13: Climate Action     | <b>GREEN CHEMISTRY PRINCIPLES</b><br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#8 Reduce Derivatives,<br>#10 Design for Degradation,<br>#12 Inherently Safer Chemistry<br>for Accident Prevention |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b><br>Hope Biomaterials integrates women into the value chain, especially in production and biomaterial transformation, providing women artisans and entrepreneurs with technical training and access to sustainable materials. We foster a working environment of equal opportunity, skills development and female leadership. | <b>LOCAL COMMUNITY</b><br>Hope Biomaterials valorizes agro-industrial waste, generating new income for producers, creates jobs in sustainable production and trains communities, especially artisans, in the use of biomaterials, strengthening technical skills, local innovation and production linkages. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FINANCIALS

|                        |               |
|------------------------|---------------|
| <b>2025 REVENUE</b>    | —             |
| <b>2025 EXPENSES</b>   | —             |
| <b>CAPITAL RAISED</b>  | \$49,000      |
| <b>TARGET RAISE</b>    | \$20,000      |
| <b>GLOBAL TAM</b>      | \$100M–\$500M |
| <b>FINANCIAL MODEL</b> | No            |
| <b>2025 STATEMENTS</b> | No            |

## COMPANY FACTS

|                                                   |
|---------------------------------------------------|
| <b>SECTOR</b><br>Textiles, Apparel & Luxury Goods |
| <b>FOUNDED</b><br>2024                            |
| <b>LOCATION</b><br>Huánuco                        |
| <b>FOUNDERS</b><br>2                              |
| <b>WOMEN FOUNDERS</b><br>1 of 2                   |
| <b>ADVISORS</b><br>No                             |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Daniel Alcides Claudio Sánchez,  
Medalyth Yovana Ayala Guillermo

### CONTACT

#### NAME

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#### WEBSITE

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PERU · FOOD & BEVERAGE

# Inspirall

Ultragreen combats childhood anaemia by creating organic spirulina superfoods based on green chemistry

## COMPANY OVERVIEW

### PROBLEM

Childhood anaemia persists because children refuse to take conventional iron supplements due to their unpleasant taste and the digestive discomfort they cause. This leads to frustration and unnecessary expenditure for families, as well as inefficient and untraceable investment for social programmes.

### SOLUTION

We have created Ficocrispys, a crunchy superfood made from spirulina, moringa, blueberries and pomegranate that combats childhood anaemia by overcoming aversion to treatment thanks to its delicious taste. Our innovation combines green biotechnology and blockchain traceability to monitor clinical improvements in haemoglobin levels.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|--------------------------|---------------------------------------------|-------------------------|
| Agriculture & food       | Product sales                               | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Direct competitors exist | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Paying customers    | Yes, independent lab   | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL         | STAGE OF DEVELOPMENT       |
|------------------------------------|----------------------------|
| TRL 9: Commercial-Scale Deployment | Growth Stage               |
| PROTOTYPE                          | REGULATORY APPROVAL        |
| No                                 | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES |
|-------------------------------------------|----------------------------|
| Carbon dioxide / greenhouse gas reduction | More than 75%              |

| PRIMARY SDG         | GREEN CHEMISTRY PRINCIPLES                                                                                                        |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| SDG 7: Clean Energy | #3 Less Hazardous Chemical Syntheses,<br>#6 Design for Energy Efficiency,<br>#8 Reduce Derivatives,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                        | LOCAL COMMUNITY                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We empower rural women by transferring technology, enabling them to become operational partners in the bioprocess and thereby achieve economic equality. | We train rural women in agrotech and biotechnology, integrating them as producer partners within the fair trade system. We also tackle local childhood anaemia, thereby improving public health. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$13,000     |
| 2025 EXPENSES   | \$8,700      |
| CAPITAL RAISED  | \$17,000     |
| TARGET RAISE    | \$58,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | No           |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

| SECTOR          |
|-----------------|
| Food & Beverage |
| FOUNDED         |
| 2025            |
| LOCATION        |
| Lima            |
| FOUNDERS        |
| 3               |
| WOMEN FOUNDERS  |
| 0 of 3          |
| ADVISORS        |
| No              |

## FOUNDING TEAM

**NAMES**  
Ricardo Mendoza Garcia,  
Luz Mayra Valverde Miranda,  
Guido Geronimo Maldonado

## CONTACT

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ultragreen.pe

PERU · AGRICULTURE & AQUACULTURE

# Livanguard

We cultivate spirulina and transform it into human supplements, pet nutrition and biofertilizers

## COMPANY OVERVIEW

### PROBLEM

In Peru, anaemia affects 43.2% of rural children and agriculture imports 100% of its urea, today above USD 750/t. Affordable functional foods and fertile soils are lacking. Livanguard's spirulina needs no imported fertilizer and its residues become biofertilizer.

### SOLUTION

Livanguard is a circular spirulina biorefinery in Arequipa. Our biomass — 60% protein, 20 times more per hectare than soy, with only 25% of the water — is transformed without waste into four lines: human nutrition tablets and capsules, functional pet snacks and gummies from valorized poultry by-products, organic biofertilizers, and a biofuel line under development. Competitors import biomass or serve a single market; we produce locally, with full traceability, and each line's residue feeds another.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL    | PRODUCTION APPROACH     |
|--------------------------|-------------------|-------------------------|
| Agriculture & food       | Product sales     | University lab space    |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Direct competitors exist | Lower cost        | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Paying customers    | Yes, independent lab   | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                 | STAGE OF DEVELOPMENT    |
|--------------------------------------------|-------------------------|
| TRL 6: Large-Scale Prototype Demonstration | Pilot/Beta              |
| PROTOTYPE                                  | REGULATORY APPROVAL     |
| Yes                                        | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC   | REDUCTION VS. ALTERNATIVES                                                   |
|------------------------|------------------------------------------------------------------------------|
| Land use reduced       | 50–75%                                                                       |
| PRIMARY SDG            | GREEN CHEMISTRY PRINCIPLES                                                   |
| SDG 13: Climate Action | #1 Prevention, #4 Designing Safer Chemicals, #6 Design for Energy Efficiency |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                        | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equity is built into how we hire and how we buy. Women hold roles in cultivation, quality control, formulation and administration, not only in support functions, and we apply equal pay for equal work. | In Arequipa we create direct jobs in cultivation, processing and quality control, and indirect income for the slaughterhouses of El Pedregal, which now sell by-products once a disposal cost. We train locally in microalgae cultivation, GMP hygiene and food safety, host thesis students and researchers from the Universidad Católica de Santa María, and return organic waste as biofertilizer to nurseries and small farmers. |

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | \$44,000     |
| 2025 EXPENSES   | \$55,000     |
| CAPITAL RAISED  | \$7,300      |
| TARGET RAISE    | \$22,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | No           |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

### SECTOR

Agriculture & Aquaculture

|                |        |
|----------------|--------|
| FOUNDED        | 2019   |
| LOCATION       | Lima   |
| FOUNDERS       | 3      |
| WOMEN FOUNDERS | 1 of 3 |
| ADVISORS       | Yes    |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Marjorie Rocío Mateu Quispe,  
Yamir Angelo Velazco Arenas,  
Diego Aarom Quezada Palomino

### CONTACT

**NAME**  
Diego Aarom Quezada Palomino  
**EMAIL**  
d.quezada.palomino@gmail.com

PERU · CONSTRUCTION & ENGINEERING

# Pintaykuna

Peruvian photocatalytic paint that cleans Lima's air while protecting your façade

## COMPANY OVERVIEW

### PROBLEM

Lima exceeds the WHO PM2.5 limit by 3× and records +10,000 premature deaths/year from air pollution (vehicular NOx). Construction companies need certifiable eco-materials for the Bono Mivivienda Verde (S/31,100/unit) and EDGE, but no functional local options exist.

### SOLUTION

Pintaykuna is a photocatalytic exterior paint: TiO<sub>2</sub> in the anatase phase degrades 37–82% of NOx under sunlight, without being consumed. It is 100% water-based, VOC ≤ 50 g/L, manufactured under the 12 Principles of Green Chemistry, with 0 liquid waste. Unlike conventional premium paints (Sherwin-Williams, Jotun) or imported photocatalytic paints (interior only), it is the only exterior option in Peru. It qualifies as an eco-material for EDGE and the Bono Mivivienda Verde.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|--------------------------|---------------------------------------------|-------------------------|
| Construction             | Product sales                               | University lab space    |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Direct competitors exist | Superior technology / intellectual property | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION   | PATENTS |
|---------------------------|--------------------------|---------|
| Customer interviews (10+) | Yes, industry laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                                                          |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | Not yet measured                                                                    |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                                                          |
| SDG 9: Industry & Innovation              | #3 Less Hazardous Chemical Syntheses, #6 Design for Energy Efficiency, #9 Catalysis |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                        | LOCAL COMMUNITY                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pintaykuna was born with women on its founding and technical team, including key roles in chemical formulation. We promote women in STEM in the Peruvian chemical industry, a traditionally male sector, and as we scale will maintain selection without gender bias, prioritizing technical capability. | We currently operate with a small team at the validation stage. When we scale production, we plan to hire and train local operators and painters in Lima in the application of functional paints, and are seeking partnerships with PUCP/UNI to develop talent in green chemistry. |

## FINANCIALS

| 2025 REVENUE    | —           |
|-----------------|-------------|
| 2025 EXPENSES   | \$0         |
| CAPITAL RAISED  | \$1,300     |
| TARGET RAISE    | \$2,900     |
| GLOBAL TAM      | \$500M–\$1B |
| FINANCIAL MODEL | No          |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

| SECTOR         | Construction & Engineering |
|----------------|----------------------------|
| FOUNDED        | 2025                       |
| LOCATION       | Lima                       |
| FOUNDERS       | 3                          |
| WOMEN FOUNDERS | 2 of 3                     |
| ADVISORS       | Yes                        |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Maiti Mailin Coronel Gonzales,  
Braulio Edinson Sifuentes Cuadros,  
Vangie Ariela Gomero Fernández

### CONTACT

**NAME**  
Maiti Mailin Coronel Gonzales  
**EMAIL**  
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**WEBSITE**  
linkedin.com/in/pintaykuna

PERU · CHEMICALS

# Quiasa Consulting SRL

Quiasa Consulting SRL provides high-quality chemical solutions, conducting R&D in the edible oil industry

## COMPANY OVERVIEW

### PROBLEM

Quiasa Consulting SRL's REGENERA offers Peruvian oil refiners competitive waste disposal. The sector yields 10k tons of spent clay annually; when saturated, it holds 20–30% oil, risking combustion and high landfill costs for firms like Alicorp (DL 1278).

### SOLUTION

REGENERA extends the life cycle of spent bleaching earth, a hazardous waste of which Peru generates 10,050 tons annually. Our alkaline thermal evaporation method (Boil-Off) separates the trapped oil, yielding a dual-revenue stream: a 95% efficient clay reusable 3 more times, and free fatty acids for second-generation biodiesel. We target edible oil corporations and plan LatAm expansion into Colombia, Chile, and Ecuador.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Consumer goods             | Service provider       | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Better user experience | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Pilot customers     | Yes, independent lab   | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                    | STAGE OF DEVELOPMENT    |
|-----------------------------------------------|-------------------------|
| TRL 6: Large-Scale<br>Prototype Demonstration | Growth Stage            |
| PROTOTYPE                                     | REGULATORY APPROVAL     |
| Yes                                           | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC                         | REDUCTION VS. ALTERNATIVES                                                                           |
|----------------------------------------------|------------------------------------------------------------------------------------------------------|
| Carbon dioxide /<br>greenhouse gas reduction | 50–75%                                                                                               |
| PRIMARY SDG                                  | GREEN CHEMISTRY PRINCIPLES                                                                           |
| SDG 12: Responsible Consumption              | #5 Safer Solvents and Auxiliaries,<br>#6 Design for Energy Efficiency,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Since 2023, Quiasa Consulting SRL has utilized a Gender Equality and Social Inclusion (GESI) assessment to monitor how its policies and projects impact diverse socioeconomic groups. By closing gender gaps, supporting equal pay and fostering inclusive advancement, it ensures women and marginalized groups thrive equally. | Quiasa Consulting SRL transforms industrial waste management into a source of skilled green jobs. Through REGENERA, we provide technical training in circular economy processes to local operators, fostering economic growth, mitigating environmental hazards and advancing regional technological self-sufficiency. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$200,000   |
| 2025 EXPENSES   | \$200,000   |
| CAPITAL RAISED  | \$58,000    |
| TARGET RAISE    | \$290,000   |
| GLOBAL TAM      | \$500M–\$1B |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | Yes         |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2019      |
| LOCATION       | Lima      |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 1 of 3    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Rosalina Condemarin,  
Walter Ramirez, Manuel Espinoza

## CONTACT

### NAME

Manuel Espinoza

### EMAIL

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### WEBSITE

quiasaconsulting.com

PERU · UTILITIES

# Stari Yaqua

We transform wastewater into high-value products with our own wastewater treatment technology

## COMPANY OVERVIEW

### PROBLEM

In Latin America and the Caribbean more than 190 million m<sup>3</sup>/d of wastewater is generated, with 80% discharged every day into rivers and lakes without adequate treatment, depleting the availability of clean water and affecting the quality of life of communities.

### SOLUTION

Wastewater enters our Stari Yaqua technology, which, by means of a biosorbent filter, retains larger solids and oils and greases, which are digested by bacteria, fungi, Hermetia larvae and earthworms. The resulting water passes to the herbaceous filter, which, through roots, micro- and nano-pores, retains smaller contaminants, obtaining clean water, fertilizer and an alternative protein source. We have 2 value propositions: 1. Suction, transport and treatment of wastewater. 2. Turnkey service: covering design, construction, implementation, commissioning and operation.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Water/sanitation           | Contract manufacturing                      | Contract manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Paying customers    | Yes, industry laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                         | STAGE OF DEVELOPMENT       |
|----------------------------------------------------|----------------------------|
| TRL 8: Full System<br>Completion and Qualification | Growth Stage               |
| PROTOTYPE                                          | REGULATORY APPROVAL        |
| Yes                                                | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                    |
|-------------------------------------------|-----------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | More than 75%                                 |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                    |
| SDG 6: Clean Water                        | #1 Prevention, #7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On our team 50% are women, who hold managerial and decision-making roles. Likewise, we will create several jobs, which will be filled by people from the area and preferably by women for plant supervisor roles, in order to give women greater seniority than operators, since women are more meticulous in their work and have assertive communication. The fertilizer and alternative protein are intended to be sold at a social price to micro and small producers in the area of direct influence. | With the implementation of our solution we will be able to serve more than 200 farmers with fertilizer, and it will also be possible to supply more than 100 t of larvae and worm biomass as a protein source for the production of balanced feed for fish and poultry, which allows poultry farmers and aquaculturists to access sustainable balanced feed. Likewise, thanks to the stimulation of the economy in the area of direct influence, 70 jobs will be generated. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$110,000  |
| 2025 EXPENSES   | \$86,000   |
| CAPITAL RAISED  | \$250,000  |
| TARGET RAISE    | \$500,000  |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Utilities |
| FOUNDED        | 2017      |
| LOCATION       | Pucallpa  |
| FOUNDERS       | 1         |
| WOMEN FOUNDERS | 0 of 1    |
| ADVISORS       | No        |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Jorge Alonso Delgado Saenz

### CONTACT

#### NAME

Jorge Alonso Delgado Saenz

#### EMAIL

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#### WEBSITE

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PERU · BUILDING PRODUCTS

# Textipla

We create sustainable melamine boards made from textile waste, following circular economy principles

## COMPANY OVERVIEW

### PROBLEM

The furniture industry depends mostly on melamine boards, whose extraction accelerates deforestation, generating an unsustainable carbon footprint. At the same time, the textile industry produces thousands of tonnes of waste annually, 73% of which ends up in rivers, the sea, landfills or informal burning, affecting mainly water and soils.

### SOLUTION

At Textipla we have developed a revalorization technology based on CE that converts 100% of industrial textile waste into high-strength, robust particle boards for the furniture and cabinetmaking industry. Our solution completely replaces virgin wood fibre sourced from Peruvian forests, integrating green chemistry and circular economy principles to create a sustainable material.

## BUSINESS & MARKET

| TARGET CUSTOMER       | BUSINESS MODEL         | PRODUCTION APPROACH                       |
|-----------------------|------------------------|-------------------------------------------|
| Manufacturing         | Product sales          | Public workspace with tools (maker space) |
| COMPETITIVE LANDSCAPE | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED                   |
| No known competitors  | Sustainability benefit | No                                        |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC   | REDUCTION VS. ALTERNATIVES                                           |
|------------------------|----------------------------------------------------------------------|
| Waste diverted         | More than 75%                                                        |
| PRIMARY SDG            | GREEN CHEMISTRY PRINCIPLES                                           |
| SDG 13: Climate Action | #1 Prevention, #7 Use of Renewable Feedstocks, #8 Reduce Derivatives |

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

At Textipla, not only are two of our founding members women, but we also plan to work together with them, since a significant percentage of people dedicated to resource recycling are women. For this reason, we will partner with women's cooperatives for the sorting and garment-dismantling stage.

### LOCAL COMMUNITY

As a company we will generate new local jobs, not only staff but also indirectly in the area of materials or input procurement, transport and others that the company needs in order to obtain our product and get it to the end customer. In addition, it is within our plans to train and raise awareness among people in the local area so that they can learn to carry out good waste management.

## FINANCIALS

|                 |              |
|-----------------|--------------|
| 2025 REVENUE    | —            |
| 2025 EXPENSES   | \$0          |
| CAPITAL RAISED  | \$290        |
| TARGET RAISE    | \$20,000     |
| GLOBAL TAM      | Under \$100M |
| FINANCIAL MODEL | Yes          |
| 2025 STATEMENTS | No           |

## COMPANY FACTS

### SECTOR

Building Products

|                |          |
|----------------|----------|
| FOUNDED        | 2025     |
| LOCATION       | Arequipa |
| FOUNDERS       | 3        |
| WOMEN FOUNDERS | 2 of 3   |
| ADVISORS       | Yes      |

Narrative translated from the founder's Spanish submission.

## FOUNDING TEAM

### NAMES

Leyla Yrene Rosell Paredes, Diego Jorge Mauricio Paredes Linares, Fresia Glendy Morales Flores

## CONTACT

### NAME

Fresia Glendy Morales Flores

### EMAIL

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### WEBSITE

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Global Greenchem  
Innovation & Network Program

2026 COHORT · GREENUP ACCELERATOR 2026 – SERBIA

# Serbia

9 companies

Beointech

EcoCollagen

EcoMimetix

Etak

MHU

Moćno

NeoMetals Technology DOO Beograd

SMG venture

WPT Energy

NATIONAL IMPLEMENTING PARTNER



Center for Cleaner Production of Serbia

SERBIA · 9 COMPANIES

# Serbia Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 2         | 22%   |
| Prototype/MVP        | 5         | 56%   |
| Pilot/Beta           | 0         | 0%    |
| Early Revenue        | 2         | 22%   |
| Growth Stage         | 0         | 0%    |

| SECTOR                                         | COMPANIES | SHARE |
|------------------------------------------------|-----------|-------|
| Chemicals                                      | 3         | 33%   |
| Construction & Engineering                     | 2         | 22%   |
| Pharmaceuticals, Biotechnology & Life Sciences | 2         | 22%   |
| Agriculture & Aquaculture                      | 1         | 11%   |
| Transportation & Transportation Infrastructure | 1         | 11%   |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 3         | 33%   |
| Development (TRL 4–6)      | 4         | 44%   |
| Deployment (TRL 7–9)       | 2         | 22%   |

| LEGAL                      | COMPANIES | SHARE | GEOGRAPHY            | CITIES |
|----------------------------|-----------|-------|----------------------|--------|
| Registered or incorporated | 9         | 100%  | Cities represented   | 2      |
| Patents reported           | 4         | 44%   | Belgrade (8) · Čačak |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 30       | 9         | 100%  |
| Women founders | 14       | 6         | 67%   |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$9,200,000 | 9         | 100%  |
| Capital raised to date | \$400,000   | 7         | 78%   |
| 2025 revenue           | \$61,000    | 2         | 22%   |

## REPORTING 2025 REVENUE

Močno · WPT Energy

SERBIA · CHEMICALS

# Beointech

Innovative startup dealing with the eco-friendly production of highly active zinc oxide

## COMPANY OVERVIEW

### PROBLEM

Zinc oxide is considered the most efficient curing activator in tire vulcanization, but due to its potential toxicity to aquatic life, according to the EPA, its amount should be reduced. Yet no tires can be made without it, so reducing it could be a problem for producers.

### SOLUTION

Our highly active zinc oxide has a large specific surface area and high surface defect concentration, providing higher activity than commercial ZnO due to more active zinc centers in vulcanization. Surface modification improves dispersion in rubber, enabling more than 4 times lower usage. It is produced by low-temperature continuous synthesis from end-of-life materials, supporting circular and sustainable production.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL       | PRODUCTION APPROACH     |
|--------------------------|----------------------|-------------------------|
| Other                    | Technology licensing | In-house manufacturing  |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE    | REGISTERED/INCORPORATED |
| Direct competitors exist | Regulatory advantage | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, industry laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT |
|---------------------------------------------|----------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP        |
| PROTOTYPE                                   | REGULATORY APPROVAL  |
| Yes                                         | Uncertain            |

## IMPACT

| ENVIRONMENTAL METRIC         | REDUCTION VS. ALTERNATIVES                                                                |
|------------------------------|-------------------------------------------------------------------------------------------|
| Other metric                 | 50–75%                                                                                    |
| PRIMARY SDG                  | GREEN CHEMISTRY PRINCIPLES                                                                |
| SDG 9: Industry & Innovation | #2 Atom Economy,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                          | LOCAL COMMUNITY                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our startup promotes equal opportunities for all employees, ensuring fair work conditions, rights, and advancement. We currently have three male founders and one male expert, but plan to hire female experts we have collaborated with, specializing in tire manufacturing and business. | Creation of jobs in the RM sector — we plan to upscale the production by finding an adequate investor with whom we will create new jobs in the RM sector. People will obtain new skills in raw materials production and recycling. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$0        |
| 2025 EXPENSES   | \$16,000   |
| CAPITAL RAISED  | \$90,000   |
| TARGET RAISE    | \$560,000  |
| GLOBAL TAM      | \$1B–\$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2021      |
| LOCATION       | Belgrade  |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 0 of 3    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Aleksandar Janackovic,  
Djordje Janackovic,  
Nikola Janackovic

## CONTACT

### NAME

Aleksandar Janackovic

### EMAIL

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### WEBSITE

beointech.rs

SERBIA · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# EcoCollagen

Sustainable, traceable collagen from food waste for industry

## COMPANY OVERVIEW

### PROBLEM

Collagen-dependent industries rely on bovine and porcine sources that raise ethical, religious, and sustainability concerns, while facing increasing demand for clean-label, traceable ingredients. At the same time, large volumes of collagen-rich waste remain underutilized, creating a gap between market demand and sustainable, reliable collagen supply.

### SOLUTION

EcoCollagen produces high-purity collagen from eggshell membranes and fish by-products using scalable biotechnological processes. By combining two underutilized waste streams, it enables a sustainable, traceable, and cost-efficient alternative that avoids primary animal sourcing, reduces waste, improves supply stability, and meets growing demand for clean-label ingredients.

## BUSINESS & MARKET

### TARGET CUSTOMER

Manufacturing

### BUSINESS MODEL

Contract manufacturing

### PRODUCTION APPROACH

University lab space

### COMPETITIVE LANDSCAPE

Only indirect alternatives

### PRIMARY ADVANTAGE

Sustainability benefit

### REGISTERED/INCORPORATED

Yes

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

No validation yet

### INDEPENDENT VALIDATION

Not yet

### PATENTS

No

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 3: Lab Proof-of-Concept

### STAGE OF DEVELOPMENT

Prototype/MVP

### PROTOTYPE

Yes

### REGULATORY APPROVAL

Yes, major approval needed

## IMPACT

### ENVIRONMENTAL METRIC

Waste diverted

### REDUCTION VS. ALTERNATIVES

More than 75%

### PRIMARY SDG

SDG 12: Responsible Consumption

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention,  
#3 Less Hazardous Chemical Syntheses,  
#5 Safer Solvents and Auxiliaries,  
#6 Design for Energy Efficiency,  
#7 Use of Renewable Feedstocks, #9 Catalysis

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

EcoCollagen is an all-women team, promoting female participation and leadership in science and entrepreneurship. The company supports equal opportunities through inclusive collaboration and transparent practices, and by encouraging women's involvement in biotechnology and green innovation.

### LOCAL COMMUNITY

EcoCollagen creates opportunities for collaboration with local food processing industries by valorizing their waste streams, supporting new circular value chains. As the business grows, it will contribute to job creation in biotechnology and production, while supporting skill development in sustainable and green chemistry practices.

## FINANCIALS

### 2025 REVENUE

—

### 2025 EXPENSES

\$0

### CAPITAL RAISED

\$0

### TARGET RAISE

\$30,000

### GLOBAL TAM

Over \$10B

### FINANCIAL MODEL

No

### 2025 STATEMENTS

No

## COMPANY FACTS

### SECTOR

Pharmaceuticals, Biotechnology & Life Sciences

### FOUNDED

2025

### LOCATION

Belgrade

### FOUNDERS

3

### WOMEN FOUNDERS

3 of 3

### ADVISORS

No

## FOUNDING TEAM

### NAMES

Marija Stojadinović, Ivana Prodic, Marina Brankovic

## CONTACT

### NAME

Marija Stojadinović

### EMAIL

mstojadinovic@chem.bg.ac.rs

SERBIA · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# EcoMimetix

Biomimetic predictive toxicology service for assessing health and environmental risks of pollutants

## COMPANY OVERVIEW

### PROBLEM

Organic pollutants from pharmaceuticals, industry, and agriculture accumulate in the environment and cause long-term health and ecological risks. Current assessment methods are slow, expensive, and cannot reliably predict mixture effects or chronic exposure. EcoMimetix provides rapid biomimetic risk assessment for chemical management and environmental protection.

### SOLUTION

Rapid and reliable prediction of health outcomes, including combined effects of pollutant mixtures. Toxicological risks to sensitive populations (pregnant women, children) cannot be assessed with conventional analytical methods, supporting rational chemical use and implementation of appropriate protective measures.

## BUSINESS & MARKET

|                              |                                             |                                |
|------------------------------|---------------------------------------------|--------------------------------|
| <b>TARGET CUSTOMER</b>       | <b>BUSINESS MODEL</b>                       | <b>PRODUCTION APPROACH</b>     |
| Other                        | Service provider                            | University lab space           |
| <b>COMPETITIVE LANDSCAPE</b> | <b>PRIMARY ADVANTAGE</b>                    | <b>REGISTERED/INCORPORATED</b> |
| Only indirect alternatives   | Superior technology / intellectual property | Yes                            |

## TRACTION & VALIDATION

|                                                                            |                               |                |
|----------------------------------------------------------------------------|-------------------------------|----------------|
| <b>CUSTOMER VALIDATION</b>                                                 | <b>INDEPENDENT VALIDATION</b> | <b>PATENTS</b> |
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory      | No             |

## TECHNOLOGY & PRODUCT

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b> | <b>STAGE OF DEVELOPMENT</b> |
| TRL 1: Basic Research             | Idea/Concept                |
| <b>PROTOTYPE</b>                  | <b>REGULATORY APPROVAL</b>  |
| No                                | No approval needed          |

## IMPACT

|                                   |                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b>       | <b>REDUCTION VS. ALTERNATIVES</b>                                             |
| Toxics eliminated                 | 25–50%                                                                        |
| <b>PRIMARY SDG</b>                | <b>GREEN CHEMISTRY PRINCIPLES</b>                                             |
| SDG 3: Good Health and Well-being | #4 Designing Safer Chemicals, #11 Real-Time Analysis for Pollution Prevention |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b>                                                                                                                                                                                                                                                                                                                     | <b>LOCAL COMMUNITY</b>                                                                                                                                                                                                                                                                                                                                    |
| Our company promotes fairness and equal opportunities by ensuring inclusive hiring, mentorship, and career development for all employees, with a focus on supporting women in science, technology, and leadership roles. We foster a collaborative environment where contributions are valued regardless of gender, background, or identity. | Our business creates high-skilled jobs in computational modeling, chemistry, and environmental health. It provides training in biomimetic techniques, AI-driven risk assessment, and regulatory compliance, empowering local researchers and professionals while supporting safer chemical practices that benefit the community's health and environment. |

## FINANCIALS

|                        |            |
|------------------------|------------|
| <b>2025 REVENUE</b>    | —          |
| <b>2025 EXPENSES</b>   | \$17,000   |
| <b>CAPITAL RAISED</b>  | \$65,000   |
| <b>TARGET RAISE</b>    | \$100,000  |
| <b>GLOBAL TAM</b>      | \$1B–\$10B |
| <b>FINANCIAL MODEL</b> | Yes        |
| <b>2025 STATEMENTS</b> | No         |

## COMPANY FACTS

|                       |                                                |
|-----------------------|------------------------------------------------|
| <b>SECTOR</b>         | Pharmaceuticals, Biotechnology & Life Sciences |
| <b>FOUNDED</b>        | 2022                                           |
| <b>LOCATION</b>       | Belgrade                                       |
| <b>FOUNDERS</b>       | 5                                              |
| <b>WOMEN FOUNDERS</b> | 2 of 5                                         |
| <b>ADVISORS</b>       | No                                             |

## FOUNDING TEAM

**NAMES**  
Darija Obradovic Jovicic,  
Tatjana Mitrović, Vladimir Vlatkovic,  
Dušan Nikolić, Milan Janković

## CONTACT

**NAME**  
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darija@ipb.ac.rs  
**WEBSITE**  
ipb.ac.rs/en/research/laboratories/  
biomimetics-laboratory

SERBIA · CONSTRUCTION & ENGINEERING

# Etak

Etak converts non-recyclable waste into low-cost local energy using modular waste-to-energy units

## COMPANY OVERVIEW

### PROBLEM

Non-recyclable waste is costly to dispose of and often landfilled, incinerated or transported long distances. At the same time, industrial users face high and volatile energy prices. Etak solves both problems by converting local waste into low-cost gas fuel for heat, electricity or cooling, reducing disposal costs, energy costs and dependence on fossil fuels.

### SOLUTION

Etak develops modular waste-to-energy systems that convert non-recyclable waste into low-cost gas fuel and energy. Our proprietary reactor enables stable conversion, low feedstock cost, and strong economics. Unlike conventional alternatives, we focus on delivering affordable industrial energy while reducing dependence on landfill and expensive fossil gas.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL       | PRODUCTION APPROACH     |
|----------------------------|----------------------|-------------------------|
| Waste management           | Technology licensing | Contract manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE    | REGISTERED/INCORPORATED |
| Only indirect alternatives | Lower cost           | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Pilot customers     | Yes, independent lab   | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL   | STAGE OF DEVELOPMENT       |
|------------------------------|----------------------------|
| TRL 8: Full System           | Early Revenue              |
| Completion and Qualification |                            |
| PROTOTYPE                    | REGULATORY APPROVAL        |
| Yes                          | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES     |
|----------------------|--------------------------------|
| Waste diverted       | More than 75%                  |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES     |
| SDG 7: Clean Energy  | #7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

We support fairness and equal opportunity through merit-based hiring, inclusive team building, and equal access to professional growth. We aim to create a workplace where women and underrepresented talent can contribute across technical, operational, and business roles, with transparent responsibilities and advancement opportunities.

### LOCAL COMMUNITY

Etak supports local communities by creating skilled jobs in engineering, plant operations, maintenance, and project delivery. It also builds local capabilities through industrial partnerships, technical training, and collaboration with regional suppliers and service providers, while helping communities reduce landfill dependence and improve access to more affordable energy.

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$0         |
| 2025 EXPENSES   | \$0         |
| CAPITAL RAISED  | \$0         |
| TARGET RAISE    | \$3,400,000 |
| GLOBAL TAM      | Over \$10B  |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | No          |

## COMPANY FACTS

### SECTOR

Construction & Engineering

|                |          |
|----------------|----------|
| FOUNDED        | 2024     |
| LOCATION       | Belgrade |
| FOUNDERS       | 2        |
| WOMEN FOUNDERS | 0 of 2   |
| ADVISORS       | No       |

## FOUNDING TEAM

### NAMES

Alex Nikitin, Vitaliy Romanosov

## CONTACT

### NAME

Alex Nikitin

### EMAIL

alex@etak.life

### WEBSITE

etak.life

SERBIA · CONSTRUCTION & ENGINEERING

# MHU

Digital platform for producing modular, low-carbon homes through a network of local manufacturers

## COMPANY OVERVIEW

### PROBLEM

Construction generates 37% of global CO<sub>2</sub> emissions; 70–80% of a building's environmental cost is locked in before production. Buyers, architects, and manufacturers work in disconnected tools; fragmented specs drive rework, waste, and carbon-heavy overbuilding.

### SOLUTION

MHU is a digital platform that turns modular housing into a locally produced service. Buyers configure their home online with real-time cost and carbon impact; each configuration is validated against manufacturer constraints before production, eliminating rework. Unlike central-factory competitors (Boxabl) or design-only tools (Cosmic), MHU coordinates production through regional manufacturers, lowering carbon and cost and enabling geographic scale.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH      |
|----------------------------|------------------------|--------------------------|
| Construction               | Software platform      | Digital/no manufacturing |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED  |
| Only indirect alternatives | Sustainability benefit | Yes                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Not applicable         | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT |
|---------------------------------------------|----------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP        |
| PROTOTYPE                                   | REGULATORY APPROVAL  |
| Yes                                         | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                                                           |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | 25–50%                                                                               |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                                                           |
| SDG 13: Climate Action                    | #1 Prevention,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                                                                               | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MHU was co-founded and is led by two women in construction technology, where female founders represent under 10% of leadership. Decentralizing production through local manufacturers creates opportunities for small and mid-sized producers typically excluded from large-scale construction. Our pilot prioritizes partners in Serbia, with planned expansion across the Western Balkans and Central Europe. | MHU keeps economic value where housing is built. Each manufacturer gains a new digital sales channel, validated production specs, and entry into a network typically reserved for large players. The pilot in Serbia will support local manufacturing jobs and skills, preparing Western Balkans producers for a modular housing market projected to surpass €100B globally by the end of the decade. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$0        |
| CAPITAL RAISED  | \$10,000   |
| TARGET RAISE    | \$170,000  |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Construction & Engineering |
|----------------|----------------------------|
| FOUNDED        | 2026                       |
| LOCATION       | Belgrade                   |
| FOUNDERS       | 2                          |
| WOMEN FOUNDERS | 2 of 2                     |
| ADVISORS       | No                         |

## FOUNDING TEAM

**NAMES**  
Olja Radovanovic, Ivana Bekvalac

**CONTACT**  
**NAME**  
Olja Radovanovic  
**EMAIL**  
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**WEBSITE**  
mhu.world

SERBIA · AGRICULTURE & AQUACULTURE

# Moćno

Microgreens production through scalable, decentralized networks of intelligent, sustainable local farms

## COMPANY OVERVIEW

### PROBLEM

Consumers and food businesses rely on long, inefficient supply chains delivering low-nutrient, highly perishable products with high environmental impact. Microgreens face an extremely short shelf life. Access to fresh, local food remains limited, while producers lack scalable models. Affordable, nutrient-dense, longer-lasting alternatives are largely unavailable.

### SOLUTION

Moćno combines microgreens production with processing into functional foods with extended shelf life. Through a decentralized micro-farming network and digital platform, we enable local, scalable production, reduce logistics, and increase accessibility. This model delivers nutrient-dense, affordable products while creating a new category of distributed, sustainable food systems.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Agriculture & food         | Product sales                               | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| Repeat customers    | Yes, industry laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                         | STAGE OF DEVELOPMENT |
|----------------------------------------------------|----------------------|
| TRL 8: Full System<br>Completion and Qualification | Early Revenue        |
| PROTOTYPE                                          | REGULATORY APPROVAL  |
| Yes                                                | No approval needed   |

## IMPACT

| ENVIRONMENTAL METRIC              | REDUCTION VS. ALTERNATIVES                                                                                                                                                                  |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water saved                       | More than 75%                                                                                                                                                                               |
| PRIMARY SDG                       | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                  |
| SDG 3: Good Health and Well-being | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#12 Inherently Safer Chemistry<br>for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Moćno promotes equal opportunities through inclusive hiring and accessible micro-farming models, enabling individuals regardless of gender or background to participate. Our leadership includes a female CEO, and we actively support women's entrepreneurship. | Moćno creates local jobs through decentralized micro-farming, enabling individuals without prior experience to become producers. We provide training and workshops, collaborate with universities and research institutes, and support underrepresented groups. Our model builds skills, fosters innovation, and promotes sustainable, community-driven food systems. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$38,000   |
| 2025 EXPENSES   | \$14,000   |
| CAPITAL RAISED  | \$84,000   |
| TARGET RAISE    | \$340,000  |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

| SECTOR                    |
|---------------------------|
| Agriculture & Aquaculture |
| FOUNDED                   |
| 2023                      |
| LOCATION                  |
| Belgrade                  |
| FOUNDERS                  |
| 4                         |
| WOMEN FOUNDERS            |
| 1 of 4                    |
| ADVISORS                  |
| Yes                       |

## FOUNDING TEAM

### NAMES

Milena Jovanović, Ivan Jovanović,  
Nikola Solunac, Raj Nakula

### CONTACT

#### NAME

Raj Nakula

#### EMAIL

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#### WEBSITE

mocno.rs

SERBIA · CHEMICALS

# NeoMetals Technology DOO Beograd

Acid-free mechanochemical process producing battery-grade lithium carbonate from spodumene concentrate

## COMPANY OVERVIEW

### PROBLEM

Conventional spodumene-to-lithium conversion uses sulfuric-acid roasting: energy-intensive rotary kilns, ~3,800 kg CO<sub>2</sub>/MT, large acid/water consumption and toxic effluent. Battery makers and EV producers face high costs, supply concentration in China, and a carbon-heavy, non-EU-compliant supply chain. This is urgent given CRMA, CBAM and surging lithium demand.

### SOLUTION

NMT's patented mechanochemical process converts spodumene into battery-grade Li<sub>2</sub>CO<sub>3</sub> without sulfuric acid or liquid waste. Co-milling with γ-Al<sub>2</sub>O<sub>3</sub> and Na<sub>2</sub>CO<sub>3</sub> in continuous planetary mills at 30 × g, followed by 750 °C sintering, achieves ≥ 90% yield — versus 69% without our alumina innovation — at ~85% lower CO<sub>2</sub> footprint than conventional routes.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Chemicals & materials      | Product sales                               | University lab space    |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION   | PATENTS |
|---------------------------|--------------------------|---------|
| Customer interviews (10+) | Yes, industry laboratory | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT       |
|---------------------------------------------|----------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP              |
| PROTOTYPE                                   | REGULATORY APPROVAL        |
| Yes                                         | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC                      | REDUCTION VS. ALTERNATIVES                                                                                                                  |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Carbon dioxide / greenhouse gas reduction | More than 75%                                                                                                                               |
| PRIMARY SDG                               | GREEN CHEMISTRY PRINCIPLES                                                                                                                  |
| SDG 7: Clean Energy                       | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#11 Real-Time Analysis for Pollution Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                         | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NMT's co-founder Vasiljka Cejtin serves as head of the analytical laboratory — a core technical leadership role. Our founding team is male-female balanced across three nationalities. Hiring prioritizes competence regardless of gender, with equal pay. We will encourage female STEM graduates from Belgrade universities to apply for R&D positions. | NMT plans to hire process engineers, materials chemists, and automation specialists from Belgrade's Faculty of Technology and Metallurgy. Our GreenUp accelerator participation builds partnerships within Serbia's green-tech ecosystem. The Belgrade R&D hub creates knowledge-transfer opportunities, retains STEM talent domestically, and positions Serbian professionals at the forefront of Europe's critical raw materials value chain. |

## FINANCIALS

|                 |             |
|-----------------|-------------|
| 2025 REVENUE    | \$0         |
| 2025 EXPENSES   | \$56,000    |
| CAPITAL RAISED  | \$56,000    |
| TARGET RAISE    | \$3,900,000 |
| GLOBAL TAM      | Over \$10B  |
| FINANCIAL MODEL | Yes         |
| 2025 STATEMENTS | Yes         |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2025      |
| LOCATION       | Belgrade  |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 1 of 3    |
| ADVISORS       | Yes       |

## FOUNDING TEAM

### NAMES

Dmitrij Cejtin (Dmitry Tseitlin),  
Vasiljka Cejtin (Vasiljka Tseitlin),  
Dmitrii Butylskii

### CONTACT

#### NAME

Dmitrij Cejtin (Dmitry Tseitlin)

#### EMAIL

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#### WEBSITE

neometals.tech

SERBIA · CHEMICALS

# SMG venture

Environmental tech, pollution reduction, consulting, circular economy, science outreach

## COMPANY OVERVIEW

### PROBLEM

SMG is a standalone clay-based filtration system that neutralizes industrial flue gases. Unlike conventional FGD, it doesn't build up scale, reducing maintenance from days to minutes. SMG is scalable to medium and small industries and at least 50% cheaper than conventional systems. Instead of producing waste, the spent clay from SMG can be used as a fertilizer, ensuring ecological and economic value.

### SOLUTION

SMG is a standalone clay-based absorber system that neutralizes industrial flue gases without scale buildup, harsh chemicals, or hazardous waste. Unlike conventional FGD, it repurposes spent clay as fertilizer, cutting maintenance from days to minutes. Thanks to its simple design, SMG is scalable and at least 50% cheaper than conventional systems.

## BUSINESS & MARKET

|                                                            |                                        |                                                      |
|------------------------------------------------------------|----------------------------------------|------------------------------------------------------|
| <b>TARGET CUSTOMER</b><br>Other                            | <b>BUSINESS MODEL</b><br>Product sales | <b>PRODUCTION APPROACH</b><br>In-house manufacturing |
| <b>COMPETITIVE LANDSCAPE</b><br>Only indirect alternatives | <b>PRIMARY ADVANTAGE</b><br>Lower cost | <b>REGISTERED/INCORPORATED</b><br>Yes                |

## TRACTION & VALIDATION

|                                                         |                                                           |                       |
|---------------------------------------------------------|-----------------------------------------------------------|-----------------------|
| <b>CUSTOMER VALIDATION</b><br>Customer interviews (10+) | <b>INDEPENDENT VALIDATION</b><br>Yes, academic laboratory | <b>PATENTS</b><br>Yes |
|---------------------------------------------------------|-----------------------------------------------------------|-----------------------|

## TECHNOLOGY & PRODUCT

|                                                                  |                                                  |
|------------------------------------------------------------------|--------------------------------------------------|
| <b>TECHNOLOGY READINESS LEVEL</b><br>TRL 3: Lab Proof-of-Concept | <b>STAGE OF DEVELOPMENT</b><br>Idea/Concept      |
| <b>PROTOTYPE</b><br>Yes                                          | <b>REGULATORY APPROVAL</b><br>No approval needed |

## IMPACT

|                                                                          |                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ENVIRONMENTAL METRIC</b><br>Carbon dioxide / greenhouse gas reduction | <b>REDUCTION VS. ALTERNATIVES</b><br>More than 75%                                                                                                                                                                 |
| <b>PRIMARY SDG</b><br>SDG 13: Climate Action                             | <b>GREEN CHEMISTRY PRINCIPLES</b><br>#1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#10 Design for Degradation,<br>#11 Real-Time Analysis<br>for Pollution Prevention |

## INCLUSIVE GROWTH

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EQUAL OPPORTUNITY</b><br>Our team is composed of women of different ages, actively strengthening female entrepreneurship and promoting equal opportunities. In the future, we will ensure fairness, inclusivity, and merit-based growth. | <b>LOCAL COMMUNITY</b><br>In each of Serbia's most polluted cities, our system will help improve living standards by delivering cleaner air. We plan to employ a young trainee contributing to job creation in the local community. Since SMG is locally sourced, we strengthen the domestic economy and community. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## FINANCIALS

|                        |            |
|------------------------|------------|
| <b>2025 REVENUE</b>    | —          |
| <b>2025 EXPENSES</b>   | \$0        |
| <b>CAPITAL RAISED</b>  | \$35,000   |
| <b>TARGET RAISE</b>    | \$110,000  |
| <b>GLOBAL TAM</b>      | Over \$10B |
| <b>FINANCIAL MODEL</b> | No         |
| <b>2025 STATEMENTS</b> | No         |

## COMPANY FACTS

|                       |           |
|-----------------------|-----------|
| <b>SECTOR</b>         | Chemicals |
| <b>FOUNDED</b>        | 2020      |
| <b>LOCATION</b>       | Belgrade  |
| <b>FOUNDERS</b>       | 5         |
| <b>WOMEN FOUNDERS</b> | 5 of 5    |
| <b>ADVISORS</b>       | Yes       |

## FOUNDING TEAM

### NAMES

Sanja Milosevic Govedarovic,  
Tijana Pantic, Ana Mrakovic,  
Silvana Dimitrijevic,  
Aleksandra Ivanovic

## CONTACT

### NAME

Sanja Milosevic Govedarovic

### EMAIL

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### WEBSITE

linkedin.com/in/  
smoke-managing-gap-nid

SERBIA · TRANSPORTATION & TRANSPORTATION INFRASTRUCTURE

# WPT Energy

Solar-powered wireless charging for e-scooters, e-mopeds, and smart micromobility infrastructure

## COMPANY OVERVIEW

### PROBLEM

Rental operators of e-scooters and e-mopeds are most affected. Today, vehicles are often collected, transported, and charged manually, which increases costs, downtime, and CO<sub>2</sub> emissions while reducing vehicle availability and revenue. This problem is urgent because micromobility can only scale sustainably if charging becomes simpler, cleaner, and more efficient.

### SOLUTION

We are developing a mobile solar-powered wireless charging station for e-scooters and e-mopeds. It reduces manual charging and battery swapping, while IoT sensors and AI-based energy management improve monitoring, control, and efficiency. Our solution combines clean energy, wireless charging, and smart operation in one flexible system.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Transportation             | Product sales                               | In-house manufacturing  |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| No validation yet   | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT    |
|---------------------------------------------|-------------------------|
| TRL 4: Controlled Environment Demonstration | Prototype/MVP           |
| PROTOTYPE                                   | REGULATORY APPROVAL     |
| Yes                                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES |
|----------------------|----------------------------|
| Not yet measuring    | Not yet measured           |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES |
| SDG 7: Clean Energy  | #1 Prevention              |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                             | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We support fairness and equal opportunities by building a team where women can contribute across all parts of the company, including R&D, operations, and future production. We believe technical and leadership roles should be open to everyone, based on skills, commitment, and the opportunity to grow with the company. | Our business can support wider micromobility use in cities, create new jobs through future production, and strengthen local skills in engineering and green technologies. Through cooperation with the faculty, it can also open space for new education paths, practical training, and applied research in wireless charging and smart mobility. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$22,000   |
| 2025 EXPENSES   | \$14,000   |
| CAPITAL RAISED  | \$56,000   |
| TARGET RAISE    | \$560,000  |
| GLOBAL TAM      | \$1B-\$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | Yes        |

## COMPANY FACTS

| SECTOR                                         |
|------------------------------------------------|
| Transportation & Transportation Infrastructure |
| FOUNDED                                        |
| 2024                                           |
| LOCATION                                       |
| Čačak                                          |
| FOUNDERS                                       |
| 3                                              |
| WOMEN FOUNDERS                                 |
| 0 of 3                                         |
| ADVISORS                                       |
| Yes                                            |

## FOUNDING TEAM

### NAMES

Dejan Janjić, Branko Koprivica, Aleksandar Spasojević

## CONTACT

### NAME

Dejan Janjić

### EMAIL

dzandz@gmail.com

### WEBSITE

wptenergy.com





Global Greenchem  
Innovation & Network Program

2026 COHORT · GREEN CHEMISTRY ACCELERATOR PROGRAM 2026 – UGANDA

# Uganda

5 companies

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Eden Biomaterials

G-Lactic Limited

Green Filter Uganda

Matjii Agro Limited

Viridi Growth Limited

NATIONAL IMPLEMENTING PARTNER



Uganda Cleaner Production Centre (UCPC)

UGANDA · 5 COMPANIES

# Uganda Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 0         | 0%    |
| Prototype/MVP        | 4         | 80%   |
| Pilot/Beta           | 1         | 20%   |
| Early Revenue        | 0         | 0%    |
| Growth Stage         | 0         | 0%    |

| SECTOR                                         | COMPANIES | SHARE |
|------------------------------------------------|-----------|-------|
| Chemicals                                      | 3         | 60%   |
| Containers & Packaging                         | 1         | 20%   |
| Pharmaceuticals, Biotechnology & Life Sciences | 1         | 20%   |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 5         | 100%  |
| Development (TRL 4–6)      | 0         | 0%    |
| Deployment (TRL 7–9)       | 0         | 0%    |

| LEGAL                      | COMPANIES | SHARE | GEOGRAPHY                     | CITIES |
|----------------------------|-----------|-------|-------------------------------|--------|
| Registered or incorporated | 2         | 40%   | Cities represented            | 3      |
| Patents reported           | 1         | 20%   | Kampala (3) · Hoima · Mbarara |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 23       | 5         | 100%  |
| Women founders | 11       | 5         | 100%  |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$370,000   | 5         | 100%  |
| Capital raised to date | \$47,000    | 2         | 40%   |
| 2025 revenue           | —           | 0         | 0%    |

## REPORTING 2025 REVENUE

None

UGANDA · CHEMICALS

# Eden Biomaterials

Transforming Ugandan agricultural waste into certified biodegradable plastics that actually break down

## COMPANY OVERVIEW

### PROBLEM

Uganda generates 11M tonnes of banana waste yearly, mostly burned or dumped, harming soil, air and water. Farmers and agro-processors bear the cost of disposal. Meanwhile 34+ African countries have banned single-use plastic with no affordable local biodegradable alternative, leaving no way to turn that waste into value.

### SOLUTION

We license our PHA bacterial-strain technology to agro-processors (sugar mills, banana processors, dairy plants) who already have feedstock, infrastructure and capital. They produce the material and sell into packaging and beverage markets seeking biodegradable alternatives. We don't build factories — we license the biology and earn royalties, keeping our model asset-light while partners scale.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL                              | PRODUCTION APPROACH     |
|----------------------------|---------------------------------------------|-------------------------|
| Agriculture & food         | Technology licensing                        | License to others       |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE                           | REGISTERED/INCORPORATED |
| Only indirect alternatives | Superior technology / intellectual property | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                                        | INDEPENDENT VALIDATION   | PATENTS |
|----------------------------------------------------------------------------|--------------------------|---------|
| Signed initial agreements / letters of intent / memoranda of understanding | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL  | STAGE OF DEVELOPMENT    |
|-----------------------------|-------------------------|
| TRL 3: Lab Proof-of-Concept | Prototype/MVP           |
| PROTOTYPE                   | REGULATORY APPROVAL     |
| Yes                         | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                |
|---------------------------------|---------------------------------------------------------------------------|
| Waste diverted                  | More than 75%                                                             |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                |
| SDG 12: Responsible Consumption | #1 Prevention, #7 Use of Renewable Feedstocks, #10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                   | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eden integrates gender equity into its core operations and will formalise specific hiring and supplier targets as the pilot scales. | Eden creates direct employment in fermentation, processing, and quality control — prioritizing local Mbarara residents and MUST graduates, keeping talent in southwestern Uganda rather than losing it to Kampala. Our agricultural waste collection network generates income for smallholder farmers who currently discard cassava peels, sugarcane bagasse, and banana stems as worthless byproducts. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$2,700    |
| CAPITAL RAISED  | \$13,000   |
| TARGET RAISE    | \$200,000  |
| GLOBAL TAM      | \$1B-\$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Chemicals |
|----------------|-----------|
| FOUNDED        | 2024      |
| LOCATION       | Mbarara   |
| FOUNDERS       | 5         |
| WOMEN FOUNDERS | 1 of 5    |
| ADVISORS       | Yes       |

## FOUNDING TEAM

### NAMES

Ronald Mutyaba, Eliud Chelangat, Edith Mirembe, Immanuel Musau Africa, Victor Mugambe

### CONTACT

#### NAME

Victor Mugambe

#### EMAIL

mugambevic72@gmail.com

UGANDA · CONTAINERS & PACKAGING

# G-Lactic Limited

My business focuses on valorizing crude glycerol from biodiesel production into lactic acid for PLA

## COMPANY OVERVIEW

### PROBLEM

Biodiesel companies incur costs in treating the crude glycerol before discharge into the environment and, more so, we're struggling a lot with the non-biodegradable plastics and packaging materials that increase the pollution rate in the environment. It's urgent to solve this to ensure we shift to and adopt biodegradable packaging materials. This will reduce over-dependence on non-biodegradable plastics.

### SOLUTION

Our solution uses biocatalysts to produce lactic acid from the crude glycerol and obtain a biodegradable material, PLA.

## BUSINESS & MARKET

| TARGET CUSTOMER          | BUSINESS MODEL         | PRODUCTION APPROACH     |
|--------------------------|------------------------|-------------------------|
| Manufacturing            | Product sales          | University lab space    |
| COMPETITIVE LANDSCAPE    | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Direct competitors exist | Sustainability benefit | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| No validation yet   | Yes, industry laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT |
|----------------------------|----------------------|
| TRL 1: Basic Research      | Prototype/MVP        |
| PROTOTYPE                  | REGULATORY APPROVAL  |
| No                         | Uncertain            |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                          |
|---------------------------------|-------------------------------------------------------------------------------------|
| Waste diverted                  | More than 75%                                                                       |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                          |
| SDG 12: Responsible Consumption | #6 Design for Energy Efficiency,<br>#7 Use of Renewable Feedstocks,<br>#9 Catalysis |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                     | LOCAL COMMUNITY                                                                                                                                                                                    |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The company comprises 6 members, 3 of whom are women. | The company is planning on conducting community outreach and engagement to teach people about better waste disposal with a focus on waste segregation and adoption of the biodegradable materials. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$0        |
| CAPITAL RAISED  | —          |
| TARGET RAISE    | \$2,700    |
| GLOBAL TAM      | \$1B-\$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Containers & Packaging |
|----------------|------------------------|
| FOUNDED        | 2025                   |
| LOCATION       | Kampala                |
| FOUNDERS       | 5                      |
| WOMEN FOUNDERS | 2 of 5                 |
| ADVISORS       | Yes                    |

## FOUNDING TEAM

**NAMES**  
Biryomumaisho Roland,  
Mumbere Kenneth Praise,  
Victoria Ngabirano,  
Alinda Mary Grace, Mukisa Caleb

## CONTACT

**NAME**  
Tumusiime Stellamaris  
**EMAIL**  
tumaristella03@gmail.com

UGANDA · PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES

# Green Filter Uganda

Moringa-based ceramic water filters and organic biofertilizer through a zero-waste process

## COMPANY OVERVIEW

### PROBLEM

Unsafe drinking water from Lake Victoria and shallow wells causes widespread bacterial and heavy metal contamination, leading to high rates of waterborne diseases in Uganda. Solving this problem is urgent for public health and SDG 6.

### SOLUTION

Green Filter Uganda is a zero-waste Moringa biorefinery producing ceramic water filters. Using fermented Moringa leaf extract, we green-synthesize silver nanoparticles anchored via APTES onto locally made clay flower-pot filters, delivering 99%+ bacterial removal and heavy metal reduction while keeping silver below WHO limits. Spent biomass is fermented into organic biofertilizer that boosts crop yields by 25–35%.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL    | PRODUCTION APPROACH     |
|----------------------------|-------------------|-------------------------|
| Water/sanitation           | Product sales     | University lab space    |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE | REGISTERED/INCORPORATED |
| Only indirect alternatives | Lower cost        | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION   | PATENTS |
|---------------------|--------------------------|---------|
| No validation yet   | Yes, academic laboratory | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL  | STAGE OF DEVELOPMENT       |
|-----------------------------|----------------------------|
| TRL 3: Lab Proof-of-Concept | Prototype/MVP              |
| PROTOTYPE                   | REGULATORY APPROVAL        |
| Yes                         | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES                                                                                                                                                                                                                  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Toxics eliminated    | More than 75%                                                                                                                                                                                                                               |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES                                                                                                                                                                                                                  |
| SDG 6: Clean Water   | #1 Prevention, #2 Atom Economy,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#5 Safer Solvents and Auxiliaries,<br>#10 Design for Degradation,<br>#12 Inherently Safer Chemistry<br>for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                                                      | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Green Filter Uganda is a women-led innovation from Makerere University. Women in rural Uganda bear the heaviest burden of collecting water and managing household health; our filters and biofertilizer save them time and reduce disease burden. We plan to prioritize women in training and employment for local filter production and distribution. | Local potters, youth, and women manufacture ceramic filters, generating green jobs and skills in green chemistry, nanotechnology, and sustainable agriculture. Communities gain cheaper clean water and improved fertilizer, and the zero-waste model reduces pollution in the Lake Victoria Basin. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$0        |
| CAPITAL RAISED  | —          |
| TARGET RAISE    | \$49,000   |
| GLOBAL TAM      | \$1B–\$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

### SECTOR

Pharmaceuticals, Biotechnology & Life Sciences

| FOUNDED        | 2026    |
|----------------|---------|
| LOCATION       | Kampala |
| FOUNDERS       | 5       |
| WOMEN FOUNDERS | 4 of 5  |
| ADVISORS       | No      |

## FOUNDING TEAM

### NAMES

Tavi Ariho, Asibazu Linda Vian, Nakimbugwe Elizabeth, Tushemerirwe Mary Faith, Akello Moreen Otim

## CONTACT

### NAME

Akello Moreen Otim

### EMAIL

oreenmaureen2@gmail.com

UGANDA · CHEMICALS

# Matjii Agro Limited

Organic fusel oil biopesticides replacing synthetics through waste valorization for sustainable agriculture

## COMPANY OVERVIEW

### PROBLEM

Synthetic pesticides cause over 3 million poisonings annually, mainly among smallholder farmers, as well as skin disease, respiratory illness, and long-term risks like cancer. Contaminated food, water, and air also affect communities, raising costs and reducing productivity.

### SOLUTION

Matjii Agro Limited produces a biopesticide from valorized fusel oils in liquid and solid forms: the liquid is used for foliar spraying; the solid acts as a pheromone and/or repellent. It turns industrial waste into plant-based crop protection. Unlike conventional chemicals, it supports organic farming, improves soil and ecosystem safety, and is cost-effective for smallholder farmers. It is currently under field trials.

## BUSINESS & MARKET

| TARGET CUSTOMER                    | BUSINESS MODEL         | PRODUCTION APPROACH     |
|------------------------------------|------------------------|-------------------------|
| Agriculture & food                 | Contract manufacturing | In-house manufacturing  |
| COMPETITIVE LANDSCAPE              | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Market is dominated by 1–2 players | Sustainability benefit | No                      |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION | INDEPENDENT VALIDATION | PATENTS |
|---------------------|------------------------|---------|
| Pilot customers     | Not yet                | No      |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL | STAGE OF DEVELOPMENT    |
|----------------------------|-------------------------|
| TRL 1: Basic Research      | Pilot/Beta              |
| PROTOTYPE                  | REGULATORY APPROVAL     |
| Yes                        | Yes, minor registration |

## IMPACT

| ENVIRONMENTAL METRIC            | REDUCTION VS. ALTERNATIVES                                                                                             |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Waste diverted                  | More than 75%                                                                                                          |
| PRIMARY SDG                     | GREEN CHEMISTRY PRINCIPLES                                                                                             |
| SDG 12: Responsible Consumption | #1 Prevention,<br>#3 Less Hazardous Chemical Syntheses,<br>#4 Designing Safer Chemicals,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                        | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Matjii Agro Limited ensures inclusive recruitment and participation regardless of gender, age, or background; two of our five founders are women. About 60% of our field engagement involves women farmers and youth in training, production, and field trials, with equal access to skills development. | We create local jobs in product development, field trials, manufacturing, and distribution. We train farmers in organic pest management and sustainable farming, reducing synthetic pesticide dependence and improving crop productivity. Converting fusel oil into biopesticides also promotes a circular economy in Uganda. |

## FINANCIALS

|                 |                |
|-----------------|----------------|
| 2025 REVENUE    | —              |
| 2025 EXPENSES   | \$1,700        |
| CAPITAL RAISED  | \$0            |
| TARGET RAISE    | \$92,000       |
| GLOBAL TAM      | Don't know yet |
| FINANCIAL MODEL | No             |
| 2025 STATEMENTS | No             |

## COMPANY FACTS

|                |           |
|----------------|-----------|
| SECTOR         | Chemicals |
| FOUNDED        | 2024      |
| LOCATION       | Hoima     |
| FOUNDERS       | 5         |
| WOMEN FOUNDERS | 2 of 5    |
| ADVISORS       | No        |

## FOUNDING TEAM

### NAMES

Odongo Stephen, Kobusinge Cissy, Odaga Andrew, Ayebazibwe Sharon, Matovu Edward

## CONTACT

### NAME

Matovu Edward

### EMAIL

matovuveddy27@gmail.com

### WEBSITE

matjiagrolimited.com

UGANDA · CHEMICALS

# Viridi Growth Limited

Biodegradable water-retention technology that helps smallholder farmers thrive despite climate change

## COMPANY OVERVIEW

### PROBLEM

Smallholder farmers in Uganda rely on rain-fed agriculture but face drought, erratic rainfall, and rapid soil moisture loss, causing crop failure, lower incomes, and food insecurity. Irrigation is often unaffordable. Affordable climate-smart solutions are needed.

### SOLUTION

AGROSAP is a biodegradable superabsorbent polymer developed by Viridi Growth Limited to help smallholder farmers adapt to climate change. It absorbs and stores rainwater, then gradually releases it to plant roots during dry periods, improving water-use efficiency, crop survival, and yields. Unlike costly irrigation systems or non-biodegradable alternatives, AGROSAP is affordable and designed for rain-fed agriculture.

## BUSINESS & MARKET

| TARGET CUSTOMER            | BUSINESS MODEL         | PRODUCTION APPROACH     |
|----------------------------|------------------------|-------------------------|
| Agriculture & food         | Product sales          | University lab space    |
| COMPETITIVE LANDSCAPE      | PRIMARY ADVANTAGE      | REGISTERED/INCORPORATED |
| Only indirect alternatives | Better user experience | Yes                     |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION | PATENTS |
|---------------------------|------------------------|---------|
| Customer interviews (10+) | Not yet                | Yes     |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL    | STAGE OF DEVELOPMENT       |
|-------------------------------|----------------------------|
| TRL 2: Technology Formulation | Prototype/MVP              |
| PROTOTYPE                     | REGULATORY APPROVAL        |
| Yes                           | Yes, major approval needed |

## IMPACT

| ENVIRONMENTAL METRIC | REDUCTION VS. ALTERNATIVES                                          |
|----------------------|---------------------------------------------------------------------|
| Water saved          | 25–50%                                                              |
| PRIMARY SDG          | GREEN CHEMISTRY PRINCIPLES                                          |
| SDG 2: Zero Hunger   | #3 Less Hazardous Chemical Syntheses,<br>#10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                                                                                                                                                                                                                                                                    | LOCAL COMMUNITY                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Viridi Growth Limited prioritizes women and youth smallholder farmers in product validation, training, and adoption, as they are among the most affected by climate change yet often have limited access to climate-smart technologies. We promote equal opportunities in recruitment, leadership, and partnerships. | Viridi Growth Limited employs young professionals in research, product development, and business operations, with six jobs created to date, and builds the capacity of smallholder farmers through training and field demonstrations on climate-smart agriculture and efficient water management. |

## FINANCIALS

| 2025 REVENUE    | —          |
|-----------------|------------|
| 2025 EXPENSES   | \$490      |
| CAPITAL RAISED  | \$35,000   |
| TARGET RAISE    | \$25,000   |
| GLOBAL TAM      | \$1B–\$10B |
| FINANCIAL MODEL | No         |
| 2025 STATEMENTS | No         |

## COMPANY FACTS

| SECTOR         | Chemicals |
|----------------|-----------|
| FOUNDED        | 2025      |
| LOCATION       | Kampala   |
| FOUNDERS       | 3         |
| WOMEN FOUNDERS | 2 of 3    |
| ADVISORS       | Yes       |

## FOUNDING TEAM

### NAMES

Nansubuga Leaticia,  
Nabatanzi Elinah,  
Henry Nyansio Mutumba

## CONTACT

### NAME

Henry Nyansio Mutumba

### EMAIL

mutumbahenry73@gmail.com

### WEBSITE

viridigrowth.com





Global Greenchem  
Innovation & Network Program

2026 COHORT · GREENCHEM ACCELERATOR 2026 – UKRAINE

# Ukraine

11 companies

Argentera

Ecoln

Green Composite Technologies

Greenodin

PolyFuel

Power-to-Methanol Systems

ReTerra Tile

SFMCS

Sludge to Value

The Roots

Wild Vine

NATIONAL IMPLEMENTING PARTNER



Resource Efficient and Cleaner Production Centre (RECPC)

## UKRAINE · 11 COMPANIES

# Ukraine Cohort Summary

## COHORT COMPOSITION

| STAGE OF DEVELOPMENT | COMPANIES | SHARE |
|----------------------|-----------|-------|
| Idea/Concept         | 1         | 9%    |
| Prototype/MVP        | 6         | 55%   |
| Pilot/Beta           | 4         | 36%   |
| Early Revenue        | 0         | 0%    |
| Growth Stage         | 0         | 0%    |

| SECTOR                             | COMPANIES | SHARE |
|------------------------------------|-----------|-------|
| Chemicals                          | 3         | 27%   |
| Construction Materials             | 2         | 18%   |
| Agriculture & Aquaculture          | 1         | 9%    |
| Construction & Engineering         | 1         | 9%    |
| Food & Beverage                    | 1         | 9%    |
| Household & Personal Care Products | 1         | 9%    |
| Oil & Gas                          | 1         | 9%    |
| Textiles, Apparel & Luxury Goods   | 1         | 9%    |

| TECHNOLOGY READINESS LEVEL | COMPANIES | SHARE |
|----------------------------|-----------|-------|
| Research (TRL 1–3)         | 3         | 27%   |
| Development (TRL 4–6)      | 7         | 64%   |
| Deployment (TRL 7–9)       | 1         | 9%    |

| LEGAL                      | COMPANIES | SHARE | GEOGRAPHY                                                         | CITIES |
|----------------------------|-----------|-------|-------------------------------------------------------------------|--------|
| Registered or incorporated | 4         | 36%   | Cities represented                                                | 6      |
| Patents reported           | 4         | 36%   | Kyiv (3) · Vinnytsia (3) · Sumy (2) · Kharkiv · Kremenchuk · Lviv |        |

## FOUNDING TEAMS

|                | FOUNDERS | COMPANIES | SHARE |
|----------------|----------|-----------|-------|
| Founders       | 48       | 11        | 100%  |
| Women founders | 24       | 11        | 100%  |

## CAPITAL

|                        | TOTAL (USD) | COMPANIES | SHARE |
|------------------------|-------------|-----------|-------|
| Fundraising target     | \$2,800,000 | 11        | 100%  |
| Capital raised to date | \$43,000    | 6         | 55%   |
| 2025 revenue           | \$340       | 1         | 9%    |

## REPORTING 2025 REVENUE

ReTerra Tile

UKRAINE · AGRICULTURE & AQUACULTURE

# Argentera

Eco-friendly nano-silver plant protection

## COMPANY OVERVIEW

### PROBLEM

Fungal diseases in grain and other crops create a need for effective plant protection, while conventional copper-based treatments require comparatively high application rates and can contribute to heavy-metal accumulation in agricultural systems.

### SOLUTION

A core-shell AgCl/Ag nanoparticle formulation provides antimicrobial protection at ultra-low application rates. Stable nanoparticles of 8–20 nm are designed to remain on plants during rainfall, with product positioning aligned with the EU silver-residue requirement.

## BUSINESS & MARKET

| TARGET CUSTOMER                                             | BUSINESS MODEL                                                                                | PRODUCTION APPROACH                                            |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Grain producers, agronomists and agricultural technologists | B2B product sales                                                                             | Local concentrate production; scale-up via dedicated equipment |
| COMPETITIVE LANDSCAPE                                       | PRIMARY ADVANTAGE                                                                             | REGISTERED/INCORPORATED                                        |
| Copper-based fungicides and other plant-protection products | Ultra-low application rate; reduced heavy-metal burden vs. conventional copper-based products | No                                                             |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION                                              | INDEPENDENT VALIDATION                                       | PATENTS |
|------------------------------------------------------------------|--------------------------------------------------------------|---------|
| Partner trials with large holdings; berry and grain field trials | Lab and micro-field testing; formulation stability confirmed | —       |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL                  | STAGE OF DEVELOPMENT                                          |
|---------------------------------------------|---------------------------------------------------------------|
| TRL 4: Controlled Environment Demonstration | Pilot/Beta                                                    |
| PROTOTYPE                                   | REGULATORY APPROVAL                                           |
| Yes                                         | Dossier prepared; official trials in Ukraine planned/underway |

## IMPACT

| ENVIRONMENTAL METRIC          | REDUCTION VS. ALTERNATIVES                                                                                                                |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Toxics / heavy metals reduced | Lower application rate vs. copper-based products; not quantified                                                                          |
| PRIMARY SDG                   | GREEN CHEMISTRY PRINCIPLES                                                                                                                |
| SDG 15: Life on Land          | #1 Prevention, #3 Less Hazardous Chemical Syntheses, #4 Designing Safer Chemicals, #12 Inherently Safer Chemistry for Accident Prevention |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                                           | LOCAL COMMUNITY                                                                                                                                                           |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equal opportunity is stated as a principle of team and project development. | Local field trials, scientific cooperation and planned production create opportunities for agricultural innovation, professional development and local economic activity. |

## FINANCIALS

|                 |                |
|-----------------|----------------|
| 2025 REVENUE    | \$0            |
| 2025 EXPENSES   | \$0            |
| CAPITAL RAISED  | \$0            |
| TARGET RAISE    | \$300,000      |
| GLOBAL TAM      | Don't know yet |
| FINANCIAL MODEL | Yes            |
| 2025 STATEMENTS | —              |

## COMPANY FACTS

| SECTOR                    |
|---------------------------|
| Agriculture & Aquaculture |
| FOUNDED                   |
| 2025                      |
| LOCATION                  |
| Sumy                      |
| FOUNDERS                  |
| 5                         |
| WOMEN FOUNDERS            |
| 3 of 5                    |
| ADVISORS                  |
| —                         |

## FOUNDING TEAM

**NAMES**  
Roman Pshenychnyi,  
Kateryna Kostyuk,  
Liudmyla Ponomarova,  
Daryna Khandonha,  
Danylo Tereshchenko

## CONTACT

**NAME**  
Liudmyla Ponomarova  
**EMAIL**  
ponomarova.ln@gmail.com  
**WEBSITE**  
linkedin.com/in/liudmyla-ponomarova-643792138

UKRAINE · HOUSEHOLD & PERSONAL CARE PRODUCTS

# EcoIn

B2B disposable ecological goods and their recycling as a full-cycle service

## COMPANY OVERVIEW

### PROBLEM

Service businesses face increasing regulatory and consumer pressure to replace disposable polyethylene products, while available eco-friendly alternatives often lack convenient collection, recycling and impact-reporting services.

### SOLUTION

A full-cycle service combines biodegradable disposable products with collection, recycling, composting and impact reporting for the hospitality and service sector, and beauty and wellness businesses.

## BUSINESS & MARKET

### TARGET CUSTOMER

Hospitality, service, beauty and wellness businesses

### BUSINESS MODEL

B2B direct sales with subscriptions; future franchise royalties

### PRODUCTION APPROACH

In-house manufacturing; franchise and partner scaling planned

### COMPETITIVE LANDSCAPE

Disposable polyethylene/spunbond, eco-shops, reusable textiles

### PRIMARY ADVANTAGE

Integrated product, delivery, collection, recycling and impact-reporting service

### REGISTERED/INCORPORATED

Yes

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Pilot customers; needs validated through market research

### INDEPENDENT VALIDATION

Certification and testing planned / referenced in business model

### PATENTS

—

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 6: Large-Scale Prototype Demonstration

### STAGE OF DEVELOPMENT

Prototype/MVP

### PROTOTYPE

Yes

### REGULATORY APPROVAL

Certification and testing included in commercialization plan

## IMPACT

### ENVIRONMENTAL METRIC

Polyethylene products replaced; waste diverted to composting

### REDUCTION VS. ALTERNATIVES

Year-1 target: ~1–2 tonnes of polyethylene products replaced

### PRIMARY SDG

SDG 12: Responsible Consumption

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention,  
#7 Use of Renewable Feedstocks,  
#10 Design for Degradation

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The project envisages the involvement of women and employment opportunities for people with disabilities.

### LOCAL COMMUNITY

Local jobs, public composting infrastructure, recycling services and environmental-awareness activities are planned as part of the model.

## FINANCIALS

2025 REVENUE \$0

2025 EXPENSES —

CAPITAL RAISED \$10,000

TARGET RAISE \$5,600

GLOBAL TAM Over \$10B

FINANCIAL MODEL Yes

2025 STATEMENTS —

## COMPANY FACTS

### SECTOR

Household & Personal Care Products

FOUNDED 2025

LOCATION Vinnytsia

FOUNDERS 2

WOMEN FOUNDERS 2 of 2

ADVISORS —

## FOUNDING TEAM

### NAMES

Anna Kukhtenko, Kseniia Kluban

## CONTACT

### NAME

Anna Kukhtenko

### EMAIL

ecoin1vn@gmail.com

### WEBSITE

instagram.com/ecoin.vn

UKRAINE · CONSTRUCTION MATERIALS

# Green Composite Technologies

Composite building materials based on plastic waste and concrete demolition waste

## COMPANY OVERVIEW

### PROBLEM

Reconstruction and civil-protection applications require strong, fire-resistant and impact-resistant materials, while conventional high-performance aramid materials remain expensive and construction relies heavily on virgin resources.

### SOLUTION

A hybrid composite material combines recycled plastics, mineral fillers and aramid fibres to produce high-strength construction panels and synthetic paper. The patented technology integrates recycled waste while targeting lower material costs and high thermal and mechanical resistance.

## BUSINESS & MARKET

| TARGET CUSTOMER                                               | BUSINESS MODEL                                                                               | PRODUCTION APPROACH                                               |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Defense, civil protection, construction companies, government | B2B and B2G sales                                                                            | Pilot setup: shredding, mixing, extrusion, hot-pressing equipment |
| COMPETITIVE LANDSCAPE                                         | PRIMARY ADVANTAGE                                                                            | REGISTERED/INCORPORATED                                           |
| Aramid/Kevlar materials, SIP panels, composite facade panels  | Lower-cost composite (recycled plastics, mineral fillers); high strength and fire resistance | —                                                                 |

## TRACTION & VALIDATION

| CUSTOMER VALIDATION       | INDEPENDENT VALIDATION                         | PATENTS                       |
|---------------------------|------------------------------------------------|-------------------------------|
| Customer interviews (10+) | Laboratory thermal-stability testing completed | Ukrainian Patent No. 160262 U |

## TECHNOLOGY & PRODUCT

| TECHNOLOGY READINESS LEVEL        | STAGE OF DEVELOPMENT |
|-----------------------------------|----------------------|
| TRL 5: Pilot Validation           | Prototype/MVP        |
| PROTOTYPE                         | REGULATORY APPROVAL  |
| Yes, composite construction panel | —                    |

## IMPACT

| ENVIRONMENTAL METRIC                            | REDUCTION VS. ALTERNATIVES                                                |
|-------------------------------------------------|---------------------------------------------------------------------------|
| Waste diverted through recycled plastic content | 100% integration of recycled plastic waste; not quantified                |
| PRIMARY SDG                                     | GREEN CHEMISTRY PRINCIPLES                                                |
| SDG 12: Responsible Consumption                 | #1 Prevention, #7 Use of Renewable Feedstocks, #10 Design for Degradation |

## INCLUSIVE GROWTH

| EQUAL OPPORTUNITY                                          | LOCAL COMMUNITY                                                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| The team includes women in co-founder and technical roles. | The project is positioned to create high-tech jobs and training opportunities linked to thermochemical recycling and advanced composite manufacturing. |

## FINANCIALS

|                 |            |
|-----------------|------------|
| 2025 REVENUE    | \$0        |
| 2025 EXPENSES   | \$500      |
| CAPITAL RAISED  | \$500      |
| TARGET RAISE    | \$38,000   |
| GLOBAL TAM      | Over \$10B |
| FINANCIAL MODEL | Yes        |
| 2025 STATEMENTS | —          |

## COMPANY FACTS

|                |                        |
|----------------|------------------------|
| SECTOR         | Construction Materials |
| FOUNDED        | 2023                   |
| LOCATION       | Vinnytsia              |
| FOUNDERS       | 5                      |
| WOMEN FOUNDERS | 1 of 5                 |
| ADVISORS       | —                      |

## FOUNDING TEAM

### NAMES

Serhii Kvaterniuk, Vasyl Petruk, Vitalii Ishchenko, Larysa Cherniak, Roman Petruk

## CONTACT

### NAME

Serhii Kvaterniuk

### EMAIL

serg.kvaternuk@gmail.com

UKRAINE · CHEMICALS

# Greenodin

Organo-mineral fertilizer for more resilient and productive soils

## COMPANY OVERVIEW

### PROBLEM

High dependence on mineral fertilizers, climate volatility, declining soil organic matter and war-related soil degradation increase production risk and weaken soil resilience.

### SOLUTION

A 2–6 mm organo-mineral granule combines carbon-rich organic matter, glauconite, beneficial microorganisms, humates and amino acids in a formulation designed for standard fertilizer-application workflows.

## BUSINESS & MARKET

### TARGET CUSTOMER

Crop farms of  
~500–5,000 ha, initially in  
the Vinnytsia region

### COMPETITIVE LANDSCAPE

Mineral NPK fertilizers and  
humate /  
biostimulant products

### BUSINESS MODEL

Direct farm sales, then  
regional distribution  
and licensing

### PRIMARY ADVANTAGE

Organic carbon, mineral  
carrier, biological  
component; standard  
granules,  
regional feedstocks

### PRODUCTION APPROACH

Granulation, drying, packing;  
regional or licensed scale-up

### REGISTERED/INCORPORATED

Yes

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Beachhead farms  
identified; 5 ha paid/co-  
financed pilot planned

### INDEPENDENT VALIDATION

Vinnytsia National Agrarian  
University, Department  
of Ecology

### PATENTS

UA Utility Model No. 122904;  
process parameters kept  
as know-how

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 5: Pilot Validation

### PROTOTYPE

Yes, validated formulation;  
industrial batch planned

### STAGE OF DEVELOPMENT

Prototype/MVP

### REGULATORY APPROVAL

—

## IMPACT

### ENVIRONMENTAL METRIC

Mineral fertilizer dependence; soil  
organic carbon and nutrients

### PRIMARY SDG

SDG 2: Zero Hunger / SDG 15:  
Life on Land

### REDUCTION VS. ALTERNATIVES

Target: 25–30% lower mineral fertilizer  
background after validation

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention,  
#7 Use of Renewable Feedstocks,  
#9 Catalysis

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

Women are represented within the team.

### LOCAL COMMUNITY

Regional feedstocks, local farm pilots and  
cooperation with a local agrarian university  
support local supply chains  
and knowledge development.

## FINANCIALS

### 2025 REVENUE

—

### 2025 EXPENSES

\$12,000

### CAPITAL RAISED

—

### TARGET RAISE

\$17,000

### GLOBAL TAM

Over \$10B

### FINANCIAL MODEL

Yes

### 2025 STATEMENTS

—

## COMPANY FACTS

### SECTOR

Chemicals

### FOUNDED

2023

### LOCATION

Vinnytsia

### FOUNDERS

5

### WOMEN FOUNDERS

1 of 5

### ADVISORS

—

## FOUNDING TEAM

### NAMES

Tymur Lyevda, Oleksandr Tkachuk,  
Oleksandr Suraiev, Vadim Redko,  
Natalia Suraieva

## CONTACT

### NAME

Tymur Lyevda

### EMAIL

tymlyev@gmail.com

### WEBSITE

avelife.pro

UKRAINE · OIL & GAS

# PolyFuel

Automated plastic-to-gasoline technology for high-octane aviation fuel components

## COMPANY OVERVIEW

### PROBLEM

Aviation gasoline remains dependent on tetraethyl lead for octane performance, while polymer waste continues to accumulate and high-octane aviation fuel components are largely supplied through imports.

### SOLUTION

An automated process converts polymer waste through thermal pyrolysis, pyrolysis-oil fractionation and targeted extraction of an alkylbenzene fraction for a high-octane, lead-free aviation gasoline component.

## BUSINESS & MARKET

### TARGET CUSTOMER

Straight-run gasoline producers; aviation fuel suppliers, operators

### COMPETITIVE LANDSCAPE

AVGAS 100LL, unleaded aviation fuels, high-octane components

### BUSINESS MODEL

B2B sales + franchise model + by-product revenue

### PRIMARY ADVANTAGE

Waste-derived feedstock, lead-free high-octane component, lower imports, multiple revenues

### PRODUCTION APPROACH

Centralized processing and modular/franchise pyrolysis units

### REGISTERED/INCORPORATED

No

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Market and industry engagement; commercial pathway defined

### INDEPENDENT VALIDATION

Peer-reviewed publications, lab research, international R&D

### PATENTS

Yes, Patent UA 161435 U; proprietary fractionation methods

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 7: Operational Environment Demonstration

### PROTOTYPE

Yes

### STAGE OF DEVELOPMENT

Pilot/Beta

### REGULATORY APPROVAL

Aviation fuel certification and regulatory approval required

## IMPACT

### ENVIRONMENTAL METRIC

Plastic waste diverted; may reduce fossil feedstock, lead exposure

### PRIMARY SDG

SDG 7: Clean Energy / SDG 12: Responsible Consumption

### REDUCTION VS. ALTERNATIVES

Not quantified; waste feedstock and lead-free fuel components

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention, #7 Use of Renewable Feedstocks

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The multidisciplinary team includes engineering, chemistry, automation and research expertise.

### LOCAL COMMUNITY

Domestic production, R&D and pilot operations support specialized technical employment and local waste-utilization infrastructure.

## FINANCIALS

### 2025 REVENUE

—

### 2025 EXPENSES

\$11,000

### CAPITAL RAISED

\$9,000

### TARGET RAISE

\$920,000

### GLOBAL TAM

\$1B-\$10B

### FINANCIAL MODEL

Yes

### 2025 STATEMENTS

—

## COMPANY FACTS

### SECTOR

Oil & Gas

### FOUNDED

2025

### LOCATION

Kyiv

### FOUNDERS

5

### WOMEN FOUNDERS

1 of 5

### ADVISORS

—

## FOUNDING TEAM

### NAMES

Adam Soldatenko, Sergii Boichenko, Vitalii Korovushkin, Iryna Shkilniuk, Ihor Kuberskyi

## CONTACT

### NAME

Sergii Boichenko

### EMAIL

chemmotology@ukr.net

### WEBSITE

sqsf098.github.io/polyFuel

UKRAINE · CHEMICALS

# Power-to-Methanol Systems

Power-to-methanol technology for long-duration energy storage in unstable grids

## COMPANY OVERVIEW

### PROBLEM

Variable renewable generation creates periods of surplus electricity, while demand can exceed supply at night and in winter. Conventional batteries provide mainly short-duration storage, and damaged generation infrastructure raises the need for grid resilience.

### SOLUTION

A modular power-to-methanol system converts surplus renewable electricity and CO<sub>2</sub> into green methanol for long-duration storage. Stored methanol can later be used for power generation, while also serving as a fuel and chemical feedstock.

## BUSINESS & MARKET

### TARGET CUSTOMER

Solar and wind farm operators;  
energy-system operators

### BUSINESS MODEL

Technology licensing + engineering services

### PRODUCTION APPROACH

Modular pilot, customer-site deployment;  
licensed production

### COMPETITIVE LANDSCAPE

Large centralized power-to-methanol projects (fuel, not storage)

### PRIMARY ADVANTAGE

Modular long-duration storage for unstable grids and intermittent renewable surplus

### REGISTERED/INCORPORATED

No

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Pilot partner search;  
operator and technical-team engagement

### INDEPENDENT VALIDATION

Modelling vs. literature data; experimental validation planned

### PATENTS

Utility model patent application filed

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 3: Lab Proof-of-Concept

### STAGE OF DEVELOPMENT

Idea/Concept

### PROTOTYPE

No, laboratory prototype is the next milestone

### REGULATORY APPROVAL

—

## IMPACT

### ENVIRONMENTAL METRIC

Renewable energy utilization and CO<sub>2</sub> utilization

### REDUCTION VS. ALTERNATIVES

Long-duration storage capability; not quantified

### PRIMARY SDG

SDG 7: Clean Energy / SDG 13: Climate Action

### GREEN CHEMISTRY PRINCIPLES

#7 Use of Renewable Feedstocks

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The project is developed by a multidisciplinary research team with engineering, software and economics expertise.

### LOCAL COMMUNITY

Development and pilot deployment in Ukraine can support technical jobs, research capacity and grid-modernization activities.

## FINANCIALS

### 2025 REVENUE

—

### 2025 EXPENSES

\$10,000

### CAPITAL RAISED

\$5,000

### TARGET RAISE

\$150,000

### GLOBAL TAM

\$1B–\$10B

### FINANCIAL MODEL

Yes

### 2025 STATEMENTS

—

## COMPANY FACTS

### SECTOR

Chemicals

### FOUNDED

2025

### LOCATION

Sumy

### FOUNDERS

6

### WOMEN FOUNDERS

3 of 6

### ADVISORS

—

## FOUNDING TEAM

### NAMES

Ruslan Ostroha, Artem Karpenko, Kira Malyshok, Oleksandr Budilovskyi, Iryna Kondrachenko, Alina Vysochyna

## CONTACT

### NAME

Ruslan Ostroha

### EMAIL

r.ostroga@pohnp.sumdu.edu.ua

UKRAINE · CONSTRUCTION MATERIALS

# ReTerra Tile

Premium European-quality porcelain tile with recycled materials and customizable design

## COMPANY OVERVIEW

### PROBLEM

Conventional porcelain-tile production relies on primary mineral resources and two-phase firing, while product properties can require trade-offs between strength, antibacterial performance and aesthetics.

### SOLUTION

Porcelain tile production uses 30% recycled materials and a single-phase firing process, enabling customized designs while retaining wear, chemical, antibacterial and antifungal properties.

## BUSINESS & MARKET

### TARGET CUSTOMER

Construction, architecture, retail, ceramic-tile businesses

### BUSINESS MODEL

B2B contracts, technology licensing

### PRODUCTION APPROACH

Single-phase ceramic firing; pilot manufacturing and licensing

### COMPETITIVE LANDSCAPE

Established ceramic-tile manufacturers in Ukraine and Europe

### PRIMARY ADVANTAGE

Circular production, single-phase firing, customized design and combined functionality

### REGISTERED/INCORPORATED

No

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Pilot sales: Ukrainian construction hypermarkets; durability partner

### INDEPENDENT VALIDATION

Product testing, applied research; no certification reported

### PATENTS

—

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 5: Pilot Validation

### STAGE OF DEVELOPMENT

Pilot/Beta

### PROTOTYPE

Yes

### REGULATORY APPROVAL

Regulatory and certification budget in investment plan

## IMPACT

### ENVIRONMENTAL METRIC

Recycled materials; less primary minerals and production waste

### REDUCTION VS. ALTERNATIVES

30% recycled content; lifecycle comparison not quantified

### PRIMARY SDG

SDG 12: Responsible Consumption

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention, #7 Use of Renewable Feedstocks

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The founding and operating team includes women in leadership and technical roles.

### LOCAL COMMUNITY

Partnerships with local construction and retail businesses support product demonstration, market entry and potential local manufacturing activity.

## FINANCIALS

2025 REVENUE \$340

2025 EXPENSES \$450

CAPITAL RAISED \$9,000

TARGET RAISE \$300,000

GLOBAL TAM Over \$10B

FINANCIAL MODEL Yes

2025 STATEMENTS —

## COMPANY FACTS

### SECTOR

Construction Materials

FOUNDED 2021

LOCATION Kharkiv

FOUNDERS 5

WOMEN FOUNDERS 4 of 5

ADVISORS —

## FOUNDING TEAM

### NAMES

Oksana Savvova, Olena Khrystych, Anna Skrypynets, Bohdan Halaiko, Polina Yakovleva

## CONTACT

### NAME

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### EMAIL

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### WEBSITE

chem.kname.edu.ua

UKRAINE · CONSTRUCTION & ENGINEERING

# SFMCS

High-efficiency reverse osmosis feed spacers reducing energy consumption and fouling in water treatment

## COMPANY OVERVIEW

### PROBLEM

High pressure drop in membrane water-treatment systems can increase electricity consumption by 20–30%, while membrane fouling can lead to frequent replacement and additional operating costs.

### SOLUTION

An innovative spacer geometry with optimized hydrodynamics is designed to reduce pressure drop, lower energy consumption by 15–30% and increase membrane service life without requiring major reconfiguration of OEM production lines.

## BUSINESS & MARKET

### TARGET CUSTOMER

Industrial water-treatment system and membrane module OEMs

### COMPETITIVE LANDSCAPE

Established membrane-spacer suppliers; 3D-printed alternatives

### BUSINESS MODEL

Direct B2B spacer-set sales; fixed-volume framework agreements

### PRIMARY ADVANTAGE

Lower energy requirements, longer operating time and flexible local customization

### PRODUCTION APPROACH

Spacer extrusion; integration into existing OEM production

### REGISTERED/INCORPORATED

No

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Initial discovery interviews with potential B2B clients

### INDEPENDENT VALIDATION

CFD validation completed; lab validation method in development

### PATENTS

No

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 3: Lab Proof-of-Concept

### PROTOTYPE

Lab sample created; functional prototype planned

### STAGE OF DEVELOPMENT

Prototype/MVP

### REGULATORY APPROVAL

—

## IMPACT

### ENVIRONMENTAL METRIC

Energy saved and membrane replacement reduced

### PRIMARY SDG

SDG 6: Clean Water / SDG 7: Clean Energy

### REDUCTION VS. ALTERNATIVES

15–30% targeted energy reduction, +20–30% operating time

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention, #6 Design for Energy Efficiency

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The multidisciplinary team includes academic and engineering expertise.

### LOCAL COMMUNITY

The project is connected to Ukrainian research and industrial partners and supports development of local deep-tech engineering capabilities.

## FINANCIALS

2025 REVENUE \$0

2025 EXPENSES \$150

CAPITAL RAISED \$0

TARGET RAISE \$5,500

GLOBAL TAM \$1B–\$10B

FINANCIAL MODEL Yes

2025 STATEMENTS —

## COMPANY FACTS

### SECTOR

Construction & Engineering

FOUNDED 2025

LOCATION Kyiv

FOUNDERS 3

WOMEN FOUNDERS 1 of 3

ADVISORS —

## FOUNDING TEAM

### NAMES

Serhii Hulienko, Olena Ivanenko, Vitalii Yasenchuk

## CONTACT

### NAME

Serhii Hulienko

### EMAIL

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UKRAINE · CHEMICALS

# Sludge to Value

Comprehensive processing of municipal wastewater sludge residues

## COMPANY OVERVIEW

### PROBLEM

Large volumes of municipal wastewater sludge require treatment and disposal, while existing approaches often address only one stream such as dewatering, incineration, fertilizer production or recovery of individual components.

### SOLUTION

An integrated processing platform enables sludge dewatering and conversion into organo-mineral fertilizers, with further development of fuel compositions and high-purity inorganic substances from ash.

## BUSINESS & MARKET

### TARGET CUSTOMER

Water utilities, municipalities, agriculture, fertilizer/chemicals

### BUSINESS MODEL

B2B and public-private partnership model

### PRODUCTION APPROACH

Pilot processing to industrial scale; phased commercialization

### COMPETITIVE LANDSCAPE

Single-purpose sludge treatment, disposal, resource recovery

### PRIMARY ADVANTAGE

Integrated processing platform with several product streams and revenue sources

### REGISTERED/INCORPORATED

Yes

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Pilots completed: sludge dewatering, organo-mineral fertilizer

### INDEPENDENT VALIDATION

Pilots documented; no detailed third-party validation reported

### PATENTS

Yes, 5 Ukrainian patents (sis.nipo.gov.ua)

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 6: Large-Scale Prototype Demonstration

### STAGE OF DEVELOPMENT

Pilot/Beta

### PROTOTYPE

Yes, pilot solutions

### REGULATORY APPROVAL

—

## IMPACT

### ENVIRONMENTAL METRIC

Waste diverted and wastewater-sludge valorization

### REDUCTION VS. ALTERNATIVES

+21–28% crop productivity

### PRIMARY SDG

SDG 6: Clean Water / SDG 9: Industry & Innovation / SDG 12: Responsible Consumption

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention,  
#3 Less Hazardous Chemical Syntheses,  
#7 Use of Renewable Feedstocks,  
#8 Reduce Derivatives

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

Gender equality and equal rights are stated as team principles.

### LOCAL COMMUNITY

The model supports municipalities and local utilities while creating opportunities for applied research, technical employment and resource recovery.

## FINANCIALS

2025 REVENUE \$0

2025 EXPENSES \$0

CAPITAL RAISED \$0

TARGET RAISE \$1,000,000

GLOBAL TAM \$500M–\$1B

FINANCIAL MODEL Yes

2025 STATEMENTS —

## COMPANY FACTS

SECTOR Chemicals

FOUNDED 2020

LOCATION Kyiv

FOUNDERS 5

WOMEN FOUNDERS 3 of 5

ADVISORS —

## FOUNDING TEAM

### NAMES

Vitalii Yevdokymenko,  
Dmytro Kamenskyh, Olha Haidai,  
Mariia Baran, Tetiana Tkachenko

## CONTACT

### NAME

Tetiana Tkachenko

### EMAIL

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UKRAINE · TEXTILES, APPAREL & LUXURY GOODS

# The Roots

Premium hemp biotextiles with Digital Product Passport for transparent European fashion

## COMPANY OVERVIEW

### PROBLEM

The textile industry faces high environmental pressure, large volumes of textile waste and increasing requirements for material traceability and product-level sustainability information in the European market.

### SOLUTION

Premium textiles based on industrial hemp are combined with green-chemistry processing and Digital Product Passport integration to reduce chemical and water use while enabling traceability.

## BUSINESS & MARKET

### TARGET CUSTOMER

Fabric/home/technical textile makers, fashion brands, EU exporters

### BUSINESS MODEL

B2B sales, licensing, Digital Product Passport subscriptions, R&D

### PRODUCTION APPROACH

Hemp cultivation, textile processing, partner scaling; lab sample

### COMPETITIVE LANDSCAPE

Technical hemp textiles, premium linen, sustainable materials

### PRIMARY ADVANTAGE

Intersection of regenerative agriculture, premium textiles and Digital Product Passport

### REGISTERED/INCORPORATED

Yes

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

Auchan ready to cooperate; hemp-sector, EU-integration partners

### INDEPENDENT VALIDATION

Preliminary lab tests and prototype; textile-expert R&D support

### PATENTS

—

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 4: Controlled Environment Demonstration

### PROTOTYPE

Yes, laboratory sample

### STAGE OF DEVELOPMENT

Prototype/MVP

### REGULATORY APPROVAL

EU textile traceability/sustainability requirements in strategy

## IMPACT

### ENVIRONMENTAL METRIC

Chemical, water, energy use; renewable feedstock (not yet measured)

### PRIMARY SDG

SDG 12: Responsible Consumption / SDG 13: Climate Action

### REDUCTION VS. ALTERNATIVES

Potential 20–50% lower water use in proposed processing route

### GREEN CHEMISTRY PRINCIPLES

#1 Prevention, #5 Safer Solvents and Auxiliaries, #6 Design for Energy Efficiency, #7 Use of Renewable Feedstocks, #10 Design for Degradation, #12 Inherently Safer Chemistry for Accident Prevention

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

Women participate in the founding and operational team, including communications and technology roles.

### LOCAL COMMUNITY

Industrial hemp cultivation on degraded land can support rural value chains, while local processing and textile manufacturing can create employment and skills development.

## FINANCIALS

2025 REVENUE \$0

2025 EXPENSES \$350

CAPITAL RAISED \$9,500

TARGET RAISE \$75,000

GLOBAL TAM Over \$10B

FINANCIAL MODEL —

2025 STATEMENTS —

## COMPANY FACTS

### SECTOR

Textiles, Apparel & Luxury Goods

FOUNDED 2025

LOCATION Kremenchuk

FOUNDERS 2

WOMEN FOUNDERS 1 of 2

ADVISORS —

## FOUNDING TEAM

### NAMES

Andriy Pydoryna, Inna Pydoryna

### CONTACT

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#### EMAIL

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#### WEBSITE

linkedin.com/in/andrii-the-roots

UKRAINE · FOOD & BEVERAGE

# Wild Vine

Functional drinking gel for energy and focus based on Chinese lemongrass

## COMPANY OVERVIEW

### PROBLEM

Students and young people increasingly experience low energy and difficulty concentrating, while seeking healthier alternatives to coffee and energy drinks.

### SOLUTION

Functional drinking gels based on Chinese lemongrass provide natural support for energy and concentration without caffeine and sugar, unlike coffee, energy drinks and sports stimulants.

## BUSINESS & MARKET

### TARGET CUSTOMER

Students, office workers and active consumers; B2B channels

### BUSINESS MODEL

B2C online sales, B2B wholesale, white-label opportunities

### PRODUCTION APPROACH

Contract manufacturing; asset-light launch, no own facility

### COMPETITIVE LANDSCAPE

Energy gels, supplements, capsules and energy drinks

### PRIMARY ADVANTAGE

Natural, sugar- and caffeine-free; convenient format; low-capital contract manufacturing

### REGISTERED/INCORPORATED

No

## TRACTION & VALIDATION

### CUSTOMER VALIDATION

90-person survey; product-format preference validated

### INDEPENDENT VALIDATION

Lab testing completed; formulation described as science-backed

### PATENTS

—

## TECHNOLOGY & PRODUCT

### TECHNOLOGY READINESS LEVEL

TRL 2: Technology Formulation

### STAGE OF DEVELOPMENT

Prototype/MVP

### PROTOTYPE

Drinking gel and chewing-marmalade concepts

### REGULATORY APPROVAL

Regulatory roadmap developed

## IMPACT

### ENVIRONMENTAL METRIC

Not yet measuring

### REDUCTION VS. ALTERNATIVES

Not quantified; natural alternative to coffee/energy drinks

### PRIMARY SDG

SDG 3: Good Health and Well-being

### GREEN CHEMISTRY PRINCIPLES

#4 Designing Safer Chemicals

## INCLUSIVE GROWTH

### EQUAL OPPORTUNITY

The founding team includes women in marketing, business development, finance and operations roles.

### LOCAL COMMUNITY

The project is developed in Lviv and targets local and regional sales channels before expansion to export markets.

## FINANCIALS

2025 REVENUE \$0

2025 EXPENSES \$200

CAPITAL RAISED \$0

TARGET RAISE \$4,000

GLOBAL TAM Over \$10B

FINANCIAL MODEL Yes

2025 STATEMENTS —

## COMPANY FACTS

### SECTOR

Food & Beverage

FOUNDED 2025

LOCATION Lviv

FOUNDERS 5

WOMEN FOUNDERS 4 of 5

ADVISORS —

## FOUNDING TEAM

### NAMES

Marko Kolba, Anna Goshko, Maria Reznikova, Angelina Bibik, Angelina Huk

## CONTACT

### NAME

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### EMAIL

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# Global Greenchem Innovation & Network Program

The Global Greenchem Innovation & Network Program is a six-year initiative that seeks to unite the green chemistry community, share knowledge, encourage gender equality, foster research, innovation and entrepreneurship, and substitute harmful chemicals with green, benign and sustainable alternatives.

The Global Greenchem Innovation & Network Program is funded by the Global Environment Facility (GEF), implemented in cooperation with UNIDO, and facilitated by the Center for Green Chemistry and Green Engineering at Yale University with National Cleaner Production Centres in participating countries.

## INSTITUTIONS

### FUNDED BY

Global Environment Facility (GEF)

### IMPLEMENTED BY

United Nations Industrial Development Organization (UNIDO)

### FACILITATED BY

Center for Green Chemistry and Green Engineering at Yale University



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environment  
facility  
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UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION  
Progress by innovation



## NATIONAL IMPLEMENTING PARTNERS

Indonesia



Universitas Pertamina

Jordan



الجمعية العلمية الملكية  
Royal Scientific Society

Royal Scientific Society (RSS)  
Cleaner Production Unit

Peru



Grupo GEA

Serbia



Center for Cleaner Production of Serbia  
Faculty of Technology and Metallurgy, University of Belgrade

Uganda



Uganda Cleaner Production Centre (UCPC)

Ukraine



Resource Efficient and Cleaner Production Centre (RECPC)  
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

## INVESTOR INQUIRIES

For an introduction to a company's founders, contact [info@globalgreenchem.com](mailto:info@globalgreenchem.com). Where a profile lists a company contact, that contact may be approached directly.

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