IFC International Finance Corporation WORLD BANK GROUP

shewins CLIMATE

Global Portfolio 2026



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Australian Aid

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UMBRELLA FACILITY FOR GENDER EQUALITY

DEAR PARTNERS,

The She Wins Climate Global Portfolio 2026 presents a curated pipeline of 68 women-led startups operating across 19 countries in developing economies and emerging markets, spanning three regional accelerators: Eastern Europe, Central Asia and Türkiye (Eurasia), South Asia (SA), and Southeast Asia (SEA). These startups are operating across 9 sectors that contribute to low-carbon, climate resilient growth, from early stage to scale-ready ventures.

The founders featured in this portfolio are creating jobs, supporting livelihoods, and building commercially viable businesses in regions where environmental and resource pressures are immediate, and market demand is strong. Their businesses demonstrate that climate innovation can take many forms, from asset-light digital solutions to scalable deep tech, hardware, and alternative materials, and that these markets can serve as powerful environments for piloting, validating, and scaling new technologies that drive low-carbon, climate-resilient growth.

She Wins Climate is IFC's flagship program supporting women-led startups in the cleantech and sustainability space. The program focuses on strengthening business fundamentals, commercialization strategies, investment readiness, and leadership skills, as well as expanding access to new markets and investors. Its objective is to help close persistent financing gaps while building a strong, investment-ready pipeline of innovative solutions led by women.

The companies highlighted here were selected based on their growth potential, experienced leadership teams, and alignment with real market needs. Together, they address critical priorities including job creation, inclusive economic growth, food and water systems, sustainable infrastructure, and circular economy solutions, representing a compelling portfolio of sustainability-focused ventures.

We invite you to explore this portfolio and share it with your networks and join us in supporting the women entrepreneurs who are building climate solutions that contribute to a more resilient, inclusive and sustainable global economy.

Thank you for your continued interest in the She Wins Climate program.

Sincerely,
The She Wins Climate Team

Contact: For inquiries, please contact Chi Q Nguyen, She Wins Climate Program Officer, IFC | Email: cnguyen26@ifc.org

Regional Overview

	Eurasia	South Asia	Southeast Asia	Total
Ventures #	18	26	24	68
Countries	7	5	7	19
Section begins (page)	7	27	55	

Sector Overview

Number of startups by sector



5
Adaptation & Resilience
(AR)



4
Buildings & Urban Infrastructure
(BI)



3
Carbon Capture, Utilization, & Storage CCUS
(CC)



15
Circular Economy & Waste Managment
(CW)



5
Climate & Enviromental Data
(ED)



2
Energy Storage & Grid Optimization
(ES)



18
Food & Agriculture
(FA)



2
Industrial Decarbonization
(ID)



7
Renewable Energy & Generation
(RE)



7
Water & Ocean
(WO)

STARTUPS DIRECTORY

Eastern Europe, Central Asia and Türkiye (Eurasia)

Name of Startup	Country	Sector	Page
Agrioli	Georgia	FA	8
AgriTechHub	Kazakhstan	WO	9
Bifrost Bioplastics	Serbia	FA	10
Biriktir	Türkiye	ED	11
Farmhood	Türkiye	FA	12
FOREST HERO	Kazakhstan	AR	13
GlobalGreenHub	Kazakhstan	AR	14
HELIOS	Türkiye	CC	15
HydroFresh	Armenia	FA	16
InTech-Forecast	Kazakhstan	RE	17
Ion Membranes	Türkiye	RE	18
Irisphera	Romania	CW	19
KELP FARMS	Georgia	WO	20
Palgae	Türkiye	CW	21
Proon-Tech	Romania	FA	22
ProperGate	Poland	BI	23
Recycllux	Romania	WO	24
Varsapp	Türkiye	CW	25

South Asia

Name of Startup	Country	Sector	Page
Aatral ESP	India	ES	28
Airveda Technologies	India	ED	29
Angirus	India	ID	30
Avartan Labs	India	CW	31
Bio Lanka Global & Company (Pvt.) Ltd.	Sri Lanka	BI	32
Carbelim	India	CC	33
Co2ncrete	India	ID	34
Desigo® (Bhairaj Organics)	India	FA	35
Doko Recyclers	Nepal	CW	36
EarthSaathi	India	CC	37
Eco Hive (Pvt) Ltd	Sri Lanka	FA	38
Enlog	India	ED	39
Genius Farms Limited	Bangladesh	FA	40
Gross International Nature (GIN)	Bhutan	CW	41
Innogle Technologies Pvt Ltd	India	WO	42
JOITA BIOSEED AI	India	FA	43
KovaiBSF	India	CW	44
Proximal Soilsens Technologies	India	ED	45
REVERSE VENDING MACHINE NEPAL PVT LTD	Nepal	ES	46
Shondhibazar	Bangladesh	FA	47
Tetra	Bangladesh	WO	48
Tuvai Nature	India	AR	49
Urban Farm	Bhutan	FA	50
Urban Inventors	Sri Lanka	BI	51
Wattcycle sustainable solutions private limited	India	RE	52
XLeap Care Private Limited	India	AR	53

Southeast Asia

Name of Startup	Country	Sector	Page
AGRO AGAPE	Cambodia	CW	56
Carbonwize	Thailand	ED	57
CAS Energy	Viet Nam	RE	58
Crustea	Indonesia	RE	59
Earthbound Leaf Leather	Thailand	CW	60
Econella	Indonesia	CW	61
Enable Earth Co., Ltd.	Thailand	CW	62
GAIA BUILDERS	The Philippines	BI	63
Ikanesia	Indonesia	CW	64
Inno Green Tech	Thailand	CW	65
Living Roots	Thailand	FA	66
Mangrove Crab Labs	Indonesia	WO	67
Myanmar Myat Royal	Myanmar	RE	68
MyPermaSchool	Indonesia	FA	69
Nguyen Khoi Green Joint Stock Company	Viet Nam	FA	70
PAMMÉ	The Philippines	CW	71
Qarbotech	Malaysia	FA	72
Real Bean Coffee	Viet Nam	FA	73
Sai Gon Kim Hong	Viet Nam	FA	74
SUDrain Co., Ltd.	Cambodia	WO	75
Tambanokano Aqua Farm	The Philippines	FA	76
TRI Cycle	Indonesia	CW	77
Viginseng Corporation	Viet Nam	AR	78
XSolar Energy	Viet Nam	RE	79

EURASIA

The Eurasia cohort of She Wins Climate brings together 26 women-led climate ventures from Armenia, Bulgaria, Georgia, Kazakhstan, Kyrgyzstan, Poland, Romania, Serbia, and Türkiye. The 18 ventures currently fundraising are featured in this deal book and illustrate how strong human capital and technical depth across the region are translating into globally competitive, early-stage climate innovation.

This technical depth is reinforced by broader regional trends. According to UNESCO Institute for Statistics data, women represent roughly 40–45% of researchers in Central and Eastern Europe and Central Asia, compared to about 33% globally. This strength is evident across the cohort, where many founders apply scientific, engineering, and research expertise to build differentiated products, defensible technology, and scalable climate solutions.

What distinguishes this cohort is the breadth of real-economy climate innovation. Circular economy and waste solutions are prominent, including recycling and upcycling innovations, alongside sustainable packaging and materials, remote sensing and climate monitoring, water management, agritech, and e-mobility. Over half of the ventures build physical or hybrid solutions, demonstrating that hardware, advanced materials, and asset-light deployment models can coexist and scale. Collectively, these companies offer investors early entry into climate businesses positioned for commercial traction and measurable outcomes, including emissions reduction, resilience and adaptation, job creation, and financial returns.

We hope you will share in our enthusiasm for the quality and ambition of the companies presented here. These ventures may extend beyond your fund's traditional sector and/or geographic focus areas, yet they are grounded in strong fundamentals and scalable business models. Where capital is not an immediate fit, engagement through market access, partnerships, or investor introductions can also play a meaningful role in supporting their growth and long-term contribution to regional development.

Continued collaboration among investors, founders, and ecosystem partners can help these businesses scale and contribute to resilient, inclusive economic growth across the region.

"Eurasia has a unique combination of deep technical talent and real, urgent climate challenges. Programs like She Wins Climate turn this reality into an advantage, helping women led climate-related solutions from the region reach global markets."

DANA SHUKIRBAYEVA
FOREST HERO (KAZAKHSTAN)

Implementing Partner:

Climate Collective

Climate Collective is an organization leveraging AI and digital innovation to accelerate climate and nature-positive solutions. Climate Collective brings together investors, innovators, nonprofits, and global leaders to turn technology into lasting impact by running world-class innovation programs, building AI fluency, and convening sustainability and technology communities.

AGRIOLI

Food & Agriculture

Precision Agriculture & Agritech

Georgia

Business Snapshot

Agrioli uses AI to detect plant diseases and pests early, reducing pesticide use and runoff. The platform promotes sustainable, climate-resilient farming, connects farmers to larger markets, improves productivity and financial stability, and enables investment in technologies and practices that help adapt to environmental challenges.

Website

https://agrioli.ge/

Business Overview

Business Summary

Agrioli uses AI to detect plant diseases and pests early, reducing pesticide use and runoff. The platform promotes sustainable, climate-resilient farming, connects farmers to larger markets, improves productivity and financial stability, and enables investment in technologies and practices that help adapt to environmental challenges.

Product / Services

Agrioli is an AI-driven agritech platform providing digital farm advisory, smart resource management, and market access. It helps small and medium farmers increase productivity, reduce costs, and implement sustainable, climate-resilient agricultural practices.

Achievements

- AI-based product successfully launched
- First farmers onboarded
- Strategic agribusiness partnerships

Operating Market(s)

Georgia, Türkiye, Germany, & Czech Republic

Climate Impact

Agrioli.ge aids climate action by reducing pesticide use through AI-driven early detection of plant diseases and pests. This minimizes environmental impact, promoting sustainable farming practices. The platform helps farmers adopt climate-resilient methods, boosting agricultural yields and enhancing climate adaptation and resilience in the sector.

Contact



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AGRITECHHUB

Water & Ocean

Remote Sensing & Satellite Technologies for Climate Monitoring

Kazakhstan

Business Snapshot

AgriTechHub delivers a scalable satellite-based water monitoring system to combat climate-driven water scarcity. In Kazakhstan, where droughts can cut water availability to 10%, our solution modernizes outdated management, enabling smarter decisions and building long-term climate resilience.

Business Overview

Business Summary

AgriTechHub delivers a scalable satellite-based water monitoring system to combat climate-driven water scarcity. In Kazakhstan, where droughts can cut water availability to 10%, our solution modernizes outdated management, enabling smarter decisions and building long-term climate resilience.

Product / Services

AgriTechHub provides a national water monitoring platform combining satellite data, IoT sensors, and ground-truth verification with AI analytics. The system delivers real-time water visibility, loss detection, demand forecasting, and decision support for governments managing irrigation, water security, and climate risks.

Achievements

- Official designation by Prime Minister's decree as an AI-driven agriculture startup
- Export of services
- Press articles

Operating Market(s)

Kazakhstan, Uzbekistan

Climate Impact

850,000 ha of irrigated land were monitored with our system in 2024, enabling efficient water allocation and early detection of overuse. Pilot results show a 12–15% increase in water-use efficiency, improving yields with less water and enabling proactive, resilient water governance in climate-stressed regions.

Contact



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BIFROST BIOPLASTICS

Food & Agriculture

Ecosystem Restoration & Nature-based Solutions

Serbia

Business Snapshot

Bifrost develops an eco-friendly material made from industrial hemp processing waste and food byproducts, offering 100% biodegradable products aimed at replacing plastic usage. Its mission is to reduce plastic waste and CO_2 emissions, preserve soil and foster a circular economy. Pilot product, Hemp "ОКИ" pot, directly supports sustainable agriculture.

Website

https://bifrostbioplastic.com/

Business Overview

Business Summary

Bifrost develops an eco-friendly material made from industrial hemp processing waste and food byproducts, offering 100% biodegradable products aimed at replacing plastic usage. Its mission is to reduce plastic waste and CO_2 emissions, preserve soil and foster a circular economy. Pilot product, Hemp "ОКИ" pot, directly supports sustainable agriculture.

Product / Services

Hemp "ОКИ" is a biodegradable replantation pot made from industrial hemp and food-industry byproducts. It is planted directly with the seedling, fully biodegrades and enriches soil nutrients, reduces plastic waste, eliminates transplant shock and lowers labor, water and fertilizer use.

Achievements

- Idea validation
- Product development
- Market entry

Operating Market(s)

Serbia

Climate Impact

Bifrost reduces emissions by replacing plastic with 100% biodegradable hemp-based material. For every 1 kg produced, 1.169 kg of CO_2 is removed from the atmosphere (LCA certified). Our Hemp "ОКИ" pots decompose in 180 days, enrich soil and reduce plastic waste in horticulture and agriculture.

Contact



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BIRIKTIR

Climate & Environmental Data
Carbon Accounting and Reporting Tools
Türkiye

Biriktir
Be Carbon Neutral!

Business Snapshot

Biriktir is an AI-powered, end-to-end climate impact platform that measures carbon footprints, delivers verified carbon offsetting, and provides a real-time ESG dashboard, enhanced by gamification and live forests to create measurable and transparent environmental impact.

Website
https://www.biriktir.app/

Business Overview

Business Summary

Biriktir is an AI-powered, end-to-end climate impact platform that measures carbon footprints, delivers verified carbon offsetting, and provides a real-time ESG dashboard, enhanced by gamification and live forests to create measurable and transparent environmental impact.

Product / Services

Biriktir promotes recycling and green habits via gamification and AI-based waste detection. Without IoT devices, we verified 800,000+ recycled items. Used by 3 corporates, Biriktir boosts climate awareness, tracks eco-actions, and supports ESG goals, making climate-friendly behavior fun and impactful.

Achievements

We completed AI-based product development after 2 years of R&D, validated the idea through pilots with Anadolu Isuzu, Kuveyt Türk, and THY, expanded our team with tech and sustainability experts, reached 5,000+ users, and gained national/international recognition including Kadem and the Dubai Government Summit.

Operating Market(s)

Türkiye

Climate Impact

Biriktir promotes recycling and green habits via gamification and AI-based waste detection. Without IoT devices, we verified 800,000+ recycled items. Used by 3 corporates, Biriktir boosts climate awareness, tracks eco-actions, and supports ESG goals, making climate-friendly behavior fun and impactful.

Contact



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FARMHOOD

Food & Agriculture
Alternative Proteins (e.g., plant-based, lab-grown meats)
Türkiye

FARMHOOD

Business Snapshot

Farmhood is a women-led startup transforming food industry sidestreams into high-value, functional plant-based proteins. Using our proprietary green extraction technology, we upcycle food byproducts and undervalued produce into clean-label ingredients that reduce food waste, lower emissions, and support circular, sustainable nutrition systems.

Website
https://farmhood.co/

Business Overview

Business Summary

Farmhood is a women-led startup transforming food industry sidestreams into high-value, functional plant-based proteins. Using our proprietary green extraction technology, we upcycle food byproducts and undervalued produce into clean-label ingredients that reduce food waste, lower emissions, and support circular, sustainable nutrition systems.

Product / Services

At the moment Farmhood develops upcycled plant-based protein ingredients from oilseed press cakes using a patent-pending green extraction process. Our proteins can be sold B2B to food manufacturers and applied in functional foods. We also commercialize Farmhood branded upcycled protein-enriched snacks to validate applications and consumer demand.

Achievements

- Secured Pre-seed Investment from a European Food Ingredient Producer
- Launched upcycled protein enhanced functional snacks on high-end retail of Migros TR
- Patent application filed

Operating Market(s)

Türkiye, Spain, Portugal, Middle East

Climate Impact

Using a green extraction process, Farmhood upcycles edible food by-products. Our process preserves nutritional value and protein quality. Based on literature benchmarks, upcycled plant proteins can reduce climate impact by 30-50% per kg ingredient compared to conventional protein sources. A full LCA is currently in preparation.

Contact



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FOREST HERO

Adaptation & Resilience

Carbon Markets and Trading Platforms

Kazakhstan

Business Snapshot

AI-platform for Responsible Forests & Carbon Credits Management providing ecosystem for forest projects. By digitizing & using AI, we unlock access to the market for smallholder farmers and land owners and increase efficiency rate of tree planting.

Website

https://www.linkedin.com/company/forest-hero

Business Overview

Business Summary

AI-platform for Responsible Forests & Carbon Credits Management providing ecosystem for forest projects. By digitizing & using AI, we unlock access to the market for smallholder farmers and land owners and increase efficiency rate of tree planting.

Product / Services

AI-powered platform that analyses land, monitors forest growth, health, and carbon sequestration. It automates project validation and reporting for small landowners, aggregates multiple small plots into viable carbon clusters, and generates digital project documentation. It helps corporations purchase traceable, high-quality carbon credits while enabling landowners to generate income.

Achievements

- Completed the Google for Startups AI First programme for the Middle East, North Africa and Turkey
- Selected as Top 3 finalist of the UNIDO GCIP CleanTech startup program from Kazakhstan
- Winner of the US Department of State's COP28 Women Climate Entrepreneurs Pitch Competition

Operating Market(s)

Kazakhstan

Climate Impact

We offer an AI-based carbon credits management system that reduces time-to-market from 18–36 months to 9 months and lowers entry costs by up to 60%. By using AI to build forest productivity scenarios, we increase the efficiency rate of tree planting by 30%

Contact



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GLOBALGREENHUB

Adaptation & Resilience

Impact Investing in Sustainable Solutions

Kazakhstan

Business Snapshot

Our scalable ecosystem transforms education into measurable ESG impact and local environmental initiatives, enabling their replication in schools, companies, and regions with demonstrable social and economic value.

Website

http://globalgreenhub.net

Business Overview

Business Summary

Our scalable ecosystem transforms education into measurable ESG impact and local environmental initiatives, enabling their replication in schools, companies, and regions with demonstrable social and economic value.

Product / Services

Our company develops innovative educational products based on a unique methodology that fosters eco-technological thinking. Our ecosystem includes methods, video games, a mobile application, courses (including ecorobotics), eco-quests, and franchise models. This approach enables us to effectively design and implement environmental initiatives of any scale.

Achievements

- Won 1st place in the global Pioneer In SDG Award 2025, demonstrating that we cover all 17 SDGs
- Collaborated with the government and businesses
- Realized our project in four regions of Kazakhstan

Operating Market(s)

Kazakhstan, Uzbekistan, Taiwan, Ghana

Climate Impact

We have engaged over 10,000 people through eco-quests across four regions of Kazakhstan, created more than 10 jobs, and supported women's entrepreneurship. Three children achieved international recognition for environmental solution concepts, we launched eco-robotics in one kindergarten, and developed the Green Garden concept.

Contact



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HELIOS

Carbon Capture, Utilization, & Storage (CCUS)
Direct Air Capture (DAC)
Türkiye

HELIOS

Business Snapshot

Our startup develops advanced material-based carbon capture technologies tailored for industrial flue gases. We design and produce highly efficient solid sorbents that enable cost-effective and scalable CO_2 separation, particularly for hard-to-abate sectors such as heavy industry and energy production. It's scalable, energy-efficient, and supports the global shift toward carbon neutrality.

Website
https://heliosscitech.com/

Business Overview

Business Summary

Our startup develops advanced material-based carbon capture technologies tailored for industrial flue gases. We design and produce highly efficient solid sorbents that enable cost-effective and scalable CO_2 separation, particularly for hard-to-abate sectors such as heavy industry and energy production. It's scalable, energy-efficient, and supports the global shift toward carbon neutrality.

Product / Services

Helios develops energy-efficient Metal–Organic Framework (MOF) materials and systems for industrial CO_2 capture. The company provides scalable MOF production, adsorption system installation, and CO_2 reuse solutions, enabling heavy industries to reduce emissions cost-effectively without compromising operational performance or productivity.

Achievements

- Secured 3 national R&D projects and 2 EU-supported innovation projects
- GCIP Top 3 Finalist and Young Female Entrepreneur Award recipient
- Signed 2 industrial Proof-of-Concept (PoC) agreements
- Commercial traction across 7+ international markets (including Japan, Denmark, USA, Canada, Brazil)

Operating Market(s)

Türkiye

Climate Impact

Our startup develops scalable carbon capture materials designed to reduce CO_2 emissions directly from industrial flue gases. The technology targets high-emission sectors including steel, cement, power plants, and aluminum. A single pilot unit can capture up to one ton of CO_2 per day, enabling further scale-up.

Contact



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HYDROFRESH

Food & Agriculture
Climate-Resilient Infrastructure
Armenia

Business Snapshot

We build fully automated and digitized hydroponic systems with end-to-end remote maintenance, powered by IoT and AI solutions that enable early malfunction detection and real-time control through an intuitive, user-friendly dashboard.

Website
https://www.linkedin.com/company/hydrofreshhh/

Business Overview

Business Summary

We build fully automated and digitized hydroponic systems with end-to-end remote maintenance, powered by IoT and AI solutions that enable early malfunction detection and real-time control through an intuitive, user-friendly dashboard. It's scalable, energy-efficient, and supports the global shift toward carbon neutrality.

Product / Services

An AI- and IoT-enabled hydroponic system that reduces water use, energy waste, and food miles through automated control, remote monitoring, and predictive maintenance, enabling climate-resilient, sustainable food production via a user-friendly digital platform.

Achievements

- Winner of the TumoLabs Agritech Incubation Program
- Participant in the GIST Caucasus Program
- Sevan Seaside Summit 2024

Operating Market(s)

Armenia, Georgia, Israel, Saudi Arabia

Climate Impact

HydroFresh advances climate action by reducing water use by up to 90%, eliminating chemical pesticides, and lowering environmental pollution. Local, soil-less food production cuts transport emissions and strengthens climate resilience by ensuring year-round access to fresh produce regardless of weather conditions.

Contact



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INTECH-FORECAST

Food & Renewable Energy & Generation
Energy Distribution & Microgrids
Kazakhstan

iForecast

Business Snapshot

It accelerates the transition to a green economy by ensuring stable operation of renewable energy facilities. Using algorithmic models and deep learning, it analyzes weather forecasts and historical data to predict energy production days ahead. A satellite-linked digital twin monitors equipment 24/7, reducing costs and improving grid stability.

Website
https://intech-forecast.com/

Business Overview

Business Summary

It accelerates the transition to a green economy by ensuring stable operation of renewable energy facilities. Using algorithmic models and deep learning, it analyzes weather forecasts and historical data to predict energy production days ahead. A satellite-linked digital twin monitors equipment 24/7, reducing costs and improving grid stability.

Product / Services

InTech-Forecast is a software platform that predicts renewable energy output days in advance using machine learning, weather data, and historical performance. It provides 24/7 asset monitoring through a satellite-linked digital twin, improving grid stability and operational efficiency. Deployed across 160 MW of capacity.

Achievements

- Winning state funding - Grant victory of QazInnovations 2021-2022
- Connected 10 MW solar power plant - 2022 (first customer)
- Best IT-Climate Solution "Green Eurasia" - by Eurasian Economic Commission 2025

Operating Market(s)

Kazakhstan

Climate Impact

The solution reduces renewable energy imbalances by providing precise forecast up to 98%, lowering emergency shutdowns and financial losses. Improved grid stability enables higher renewable penetration, reducing reliance on fossil fuels and associated CO_2 emissions while improving asset maintenance and operational efficiency across Central Asia.

Contact



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ION MEMBRANES

Renewable Energy & Generation

Green Hydrogen Production & Applications

Türkiye

Business Snapshot

Our solution creates PFAS-free nanofiber proton exchange membranes for fuel cells, offering a sustainable alternative to PFAS-based materials. These membranes enhance efficiency and durability while lowering environmental impact significantly. By advancing hydrogen technology, we drive clean energy adoption and the global transition toward carbon-neutral energy systems.

Website

https://ionmembranes.com/

Business Overview

Business Summary

Our solution creates PFAS-free nanofiber proton exchange membranes for fuel cells, offering a sustainable alternative to PFAS-based materials. These membranes enhance efficiency and durability while lowering environmental impact significantly. By advancing hydrogen technology, we drive clean energy adoption and the global transition toward carbon-neutral energy systems.

Product / Services

Ion Membrane develops high-performance ion-conducting membranes and separators for hydrogen production, fuel cells, and electrochemical systems. Our women-led climate-tech company delivers durable, scalable materials that cut costs, strengthen supply chains, and accelerate decarbonization by improving efficiency and enabling resilient clean-energy infrastructure globally.

Achievements

- Idea Validation: Concept validated through international lab tests and customer feedback.
- Product Development: Prototype developed, meeting performance criteria.
- First Customers: Secured interest from potential customers in the automotive and energy sectors.

Operating Market(s)

Türkiye

Climate Impact

Our startup develops PFAS-free nanofiber proton exchange membranes for fuel cells, replacing harmful chemicals and reducing environmental impact. Our technology improves fuel cell efficiency, supporting the transition to clean hydrogen energy. This reduces emissions, supports decarbonization, and contributes to a sustainable future, particularly in transportation and power generation sectors.

Contact



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IRISPHERA

Circular Economy & Waste Management
Product Lifecycle Management & Circular Design
Romania

IRISPHERA

Business Snapshot

Irisphera transforms online fashion by reducing returns and waste. Our AI-powered SaaS combines a virtual personal shopper with scalable try-ons, helping retailers cut costs, boost conversions, optimize inventory, and promote sustainable shopping through personalized recommendations and realistic virtual try-ons.

Website
https://irisphera.com/

Business Overview

Business Summary

Irisphera transforms online fashion by reducing returns and waste. Our AI-powered SaaS combines a virtual personal shopper with scalable try-ons, helping retailers cut costs, boost conversions, optimize inventory, and promote sustainable shopping through personalized recommendations and realistic virtual try-ons.

Product / Services

Irisphera provides a virtual personal shopper that recommends clothing based on body shape, color profile and size, with realistic try-ons on the shopper or a privacy mannequin. Our solutions increase conversions, enhance experience, and reduce returns through AI styling, 3D visualization, size recommendations, mix-and-match, and data insights.

Achievements

- Onboarded ten premium brands across seven markets, including Brandsco (UAE, Saudi, Qatar), with integrations via Shopify and talks with Adidas, Valentino, and Max Mara. PoC with Oracle for their Enterprise clients.
- Won first prize for Innovation in Fashion Retail in Italy.
- Invited by Cosmopolitan Middle East to speak at a major Dubai trade show.

Operating Market(s)

UAE, UK, Turkey, Italy, Austria, Romania

Climate Impact

Irisphera reduces fashion's environmental impact by cutting return rates through AI-powered personalization and scalable try-ons. Fewer returns mean lower carbon emissions from shipping, reduced overproduction, and less textile waste. By helping retailers optimize inventory and encouraging mindful shopping, our technology supports a more sustainable fashion industry while promoting conscious shopping.

Contact



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KELP FARMS

Water & Ocean

Carbon-to-Value Technologies
(E.g., turning CO_2 into products)
Georgia

KELP FARMS

Business Snapshot

Kelp Farms cultivates seaweed across diverse marine ecosystems to increase ocean productivity, absorb CO_2, and remediate oil and organic pollution while producing nutritious food. For marine leaseholders, we convert compliance costs, fines, and cleanup expenses into profitable, regenerative ocean-based solutions aligned with the blue economy.

Website
https://kelpfarms.global/

Business Overview

Business Summary

Kelp Farms cultivates seaweed across diverse marine ecosystems to increase ocean productivity, absorb CO_2, and remediate oil and organic pollution while producing nutritious food. For marine leaseholders, we convert compliance costs, fines, and cleanup expenses into profitable, regenerative ocean-based solutions aligned with the blue economy.

Product / Services

R&D (selection of optimal algae, GBTS, recommendations for use, feasibility study of the climate project). PDD of the climate project, VERRA verification, listing on the stock exchange. Turnkey farm

Achievements

We have initiated a press conference in Baku within the framework of COP 29, launched the EcoMarin Index, are negotiating a partnership with KPMG, and are working on a deal with EN+

Operating Market(s)

Azerbaijan, Georgia, Kazakhstan, Saudi Arabia

Climate Impact

In the Sea of Japan, we cultivated 70 tons of seaweed at two farms, absorbing 360 tons of CO_2. We established four pilot sites in the Black Sea and conducted experiments on petroleum hydrocarbon absorption by Cystosira, with a peer-reviewed publication in preparation for Marine Pollution Bulletin.

Contact



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PALGAE

Circular Economy & Waste Management

Low-Carbon Industrial Materials and Chemicals

Türkiye

Business Snapshot

Palgae transforms waste seaweed and algal biomass into regenerative biocomposites that replace fossil plastics. Our materials cut water and energy use by 50%, reduce carbon emissions, biodegrade safely in soil, and run on existing machinery—turning algae into scalable climate action for agriculture and flexible packaging.

Website

https://palgae.earth

Business Overview

Business Summary

Palgae transforms waste seaweed and algal biomass into regenerative biocomposites that replace fossil plastics. Our materials cut water and energy use by 50%, reduce carbon emissions, biodegrade safely in soil, and run on existing machinery—turning algae into scalable climate action for agriculture and flexible packaging.

Product / Services

Palgae develops 100% biodegradable, algae-based bioplastic pellets for both hard & soft plastic products. We co-develop new products and deliver tailored raw materials or finished products based on customer needs. Also, Palgae materials has offered carbon credit advantage and tax reduction.

Achievements

- Patent Application.
- First 100kg order
- Produced first biodegradable finished product as market bag.

Operating Market(s)

Türkiye, United Kingdom, Middle East, Netherlands, Germany, Italy, Portugal

Climate Impact

Palgae replaces fossil-based plastics with algae-based biodegradable films for agriculture. Each ton of our material reduces up to 3.9 tons of CO_2 compared to conventional PLA or PBAT films, and 13 tons of Co2 compared to PE, LDPE films.

Contact



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PROON-TECH

Food & Agriculture
Regenerative Agriculture
Romania

Proon-Tech

Business Snapshot

Proon-Tech is building the intelligence layer for regenerative orchard and forestry tree care. Standardizing pruning, upskilling workers, and measuring biomass, the platform enables circular economy pathways while building a proprietary, ground-level, decision-linked data layer that compounds operational value, strengthens ecosystems today, and enables autonomous tree care tomorrow.

Website
https://www.proon-tech.com/

Business Overview

Business Summary

Proon-Tech is building the intelligence layer for regenerative orchard and forestry tree care. Standardizing pruning, upskilling workers, and measuring biomass, the platform enables circular economy pathways while building a proprietary, ground-level, decision-linked data layer that compounds operational value, strengthens ecosystems today, and enables autonomous tree care tomorrow.

Product / Services

Proon.ing: the software platform for orchard and forestry pruning guidance and workforce upskilling. Standardizing pruning workflows for mixed-skill labor, automating measurement of pruning-generated biomass, enabling circular routing of residues, and capturing ground-level, decision-linked data that supports future autonomous tree care.

Achievements

- Built, deployed functional Proon.ing MVP; nominated Top 100 Global Innovators in Regenerative Agriculture; Select Global Women in Tech alumni; awarded EIT Food and SCION grants
- Partnerships with Google Cloud for Startups; discovery collaborations with 4 U.S. universities
- USA incorporation, U.S. patent pending for the Proon.ing app

Operating Market(s)

Romania, EU, and United States of America

Climate Impact

Proon-Tech enables climate-smart, regenerative land management by measuring pruning biomass and rerouting residues into circular pathways, turning waste into farmer revenue & cost savings. In a 7-hectare apple orchard, ~24–25 tons of biomass yields ~6–7 tons biochar (~16–19 tCO_2e stored) + ~118 MWh of renewable energy, scaling linearly with acreage.(IRIS+).

Contact



Thea Gherdan
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PROPERGATE

Buildings & Urban Infrastructure

Sustainable Logistics & Supply Chain Optimization

Poland

Business Snapshot

ProperGate is a digital collaboration platform optimizing construction site logistics by streamlining material deliveries. Enables prediction, precise planning and coordination, reducing delays, CO_2 emissions, waste caused by surplus or incorrect material orders. Through smart scheduling and data-driven decision-making, ProperGate minimizes site traffic, improves resource usage, and supports sustainable construction practices.

Website

https://propergate.co

Business Overview

Business Summary

ProperGate is a digital collaboration platform optimizing construction site logistics by streamlining material deliveries. Enables prediction, precise planning and coordination, reducing delays, CO_2 emissions, waste caused by surplus or incorrect material orders. Through smart scheduling and data-driven decision-making, ProperGate minimizes site traffic, improves resource usage, and supports sustainable construction practices.

Product / Services

Collaborative Onsite Logistics Platform: Predictive material flow and logistics resource planning based on project demand and schedules. Enables long-term and short-term delivery optimization, storage allocation, and equipment coordination.B2B Client Portal for Construction Material Suppliers: Self-service order management, driver scheduling, demand forecasting enabling paperless operations, optimized transport.

Achievements

- BuiltWorlds Mavericks Top 50 (2021) - global recognition among construction technology leaders
- Trusted by major general contractors on complex projects (airports, metro, stadiums, high-rises, data-centers, mega factories) in UAE, KSA, Poland, Germany and UK
- Established Saudi Arabia subsidiary to capture Vision 2030 mega-project opportunities

Operating Market(s)

Poland, Germany, UK, UAE, KSA

Climate Impact

ProperGate reduces construction supply chain CO_2 emissions by ~30% through end-to-end digitization. CLMPortal cuts site deliveries by 25%, idle time by 40%. B2B Client Portal enables 100% paperless logistics (eliminating DN, PoD, protocols), optimizes returns for circular economy, reduces material waste by up to 25% through demand forecasting, precised orders.

Contact



Anna Walkowska
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RECYCLLUX

Water & Ocean

Ocean Conservation & Restoration

Romania

Recycllux

Business Snapshot

Recycllux is an AI-powered decision-support platform that uses satellite data, AI, and blockchain to detect and orchestrate marine plastic cleanups, turning corporate offsets into traceable climate impact and sustainable jobs for coastal communities.

Website

https://recycllux.com/

Business Overview

Business Summary

Recycllux is an AI-powered decision-support platform that uses satellite data, AI, and blockchain to detect and orchestrate marine plastic cleanups, turning corporate offsets into traceable climate impact and sustainable jobs for coastal communities.

Product / Services

Recycllux provides a data-driven Marine Plastic Cleanup-as-a-Service platform that uses AI-powered satellite detection to identify plastic hotspots in the coastal waters and orchestrate decentralized cleanups with local partners. Blockchain-enabled traceability ensures compliance-ready ESG, EPR, and impact reporting and circular recovery.

Achievements

- Winner of the Women TechEU Open Call 4 (Nov 2025)
- Recognised as one of the 2025 Meaningful Business 100 (Oct 2025)
- Blue Earth 100 Winner (Oct 2025)

Operating Market(s)

Romania, Malta (subsidiary incorporated), France (projects in development), Spain (projects in development), Turkey (projects in development), Tunisia (projects in development)

Climate Impact

Recycllux mitigates climate change by enabling low-carbon marine plastic recovery. Each ton of plastic removed avoids ~14.6 tCO_2e from solar-driven degradation, preserves ~24.5 tCO_2e/year in ocean carbon sequestration, and saves 1.4–8.6 tCO_2e through recycling. Our decentralized model delivers a 46× lower carbon footprint than conventional cleanups.

Contact



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VARSAPP

Water & Ocean

Circular Economy & Waste Management

Product lifecycle management and circular design

varsapp

Business Snapshot

Varsapp is a data-driven rental platform tackling overconsumption and e-waste. By letting users try products before buying, we reduce unnecessary purchases and extend product lifecycles. With 88% women users and 200K+ reach, we help brands cut returns, lower carbon emissions, and drive sustainable, data-backed consumption.

Website

https://www.varsapp.com/

Business Overview

Business Summary

Varsapp is a data-driven rental platform tackling overconsumption and e-waste. By letting users try products before buying, we reduce unnecessary purchases and extend product lifecycles. With 88% women users and 200K+ reach, we help brands cut returns, lower carbon emissions, and drive sustainable, data-backed consumption.

Product / Services

Varsapp is a circular economy–driven rental platform that reduces overconsumption by enabling try-before-buy experiences, extending product lifecycles, and lowering waste and carbon emissions.

Achievements

- Product–Market Fit: Validated with 200K+ users and 40K+ rental transactions.
- Expansion & Innovation: B2B2C expansion with 12 brand partnerships, launched smart rental unit model (Varsapp Hub), and piloted in new markets (Qatar, Finland).
- Operational & Sustainability Improvements: Introduced reusable packaging and reduced product return rates by over 90% through operational improvements.

Operating Market(s)

Türkiye

Climate Impact

Varsapp reduces CO_2 emissions and e-waste by enabling 200K+ users to rent and try products before buying. Through 40K+ rental cycles, the platform has avoided 52 tons of CO_2 and 3.5 tons of e-waste, extending product lifecycles and supporting circular, data-driven retail for brands.

Contact



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South Asia

The South Asia Accelerator features 25 startups from 5 countries including Bangladesh, Bhutan, India, Nepal and Sri Lanka. The accelerator is delivered in partnership with MicroSave Consulting and Climate Collective Foundation.

These companies reflect the region's growing demand of resilient, sustainable and inclusive economic growth.

Across the cohort, founders apply technical, scientific, and operational expertise to deliver solutions that support low-carbon, resilient, and inclusive development, particularly for smallholder farmers, SMEs, industrial users, and climate-vulnerable communities.

What distinguishes this cohort is the diversity of real-economy sustainable solutions at agricultural, industrial, and consumer and citizen levels, spanning circular economy and waste management, clean energy, food and agriculture, green infrastructure, industrial decarbonization, nature-based solutions, ocean, water and and sanitation, and resilience.

Many ventures deliver impact through service-based and performance-driven approaches, demonstrating how practical sustainable solutions can scale across diverse South Asia markets. We invite investors and partners to engage with these ventures through capital, partnerships, and market access to support their growth and long-term impact.

Implementing Partners:

MSC
MicroSave Consulting

CLIMATE COLLECTIVE

MSC (MicroSave Consulting) is an international consulting firm focused on advancing financial, social, and economic inclusion. With over 25 years of experience across 68 countries, MSC works to accelerate inclusive entrepreneurship among low-income communities, with a strong focus on Gender Equality, Disability, and Social Inclusion (GEDSI).

Climate Collective is India's largest climate tech ecosystem enabler, accelerating 1457 early-stage startups since 2016 through programs, funding access, and inclusive support to scale impactful climate solutions.

AATRAL ESP

Energy Storage & Grid Optimization

Fuel Switching, EVs & Charging Infrastructure

India

Business Snapshot

Sodium-ion battery energy storage platform for safe, low-cost backup and renewable integration in hot-climate markets.

Website

https://www.aatral-esp.com/

Business Overview

Business Summary

Develops indigenous sodium-ion batteries as a safe, low-cost alternative to lithium-ion. Utilizing abundant domestic materials, these batteries are fire-safe and durable, enabling renewable energy integration, electric mobility, and diesel displacement while strengthening energy supply-chain independence.

Product / Services

Develops indigenous sodium-ion batteries as a safe, low-cost alternative to lithium-ion. Uses abundant domestic sodium; fire-safe, durable (3,000–5,000 cycles), temperature-tolerant, and priced at $60–100/kWh, enabling renewable integration, EVs, and diesel displacement while strengthening supply-chain independence.

Achievements

- StartupTN incubation incentives/grant; women-founded startup recognition
- Pilots/LOIs in telecom/backup/microgrid use.

Operating Market(s)

India; USA (pilot/partnership discussions); EU exploratory.

Climate Impact

Enables renewable integration and replaces diesel gensets and imported lithium systems with safer sodium-ion storage.

Contact



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AIRVEDA TECHNOLOGIES

Climate & Environmental Data
Air Quality Monitoring
India

Business Snapshot

Provides IoT and AI-powered air quality monitoring systems that deliver real-time environmental data and cloud analytics.

Website
https://www.airveda.com/

Business Overview

Business Summary

Provides IoT and AI-powered air quality monitoring systems for indoor and outdoor environments. The platform includes certified sensors, real-time alerts, and cloud analytics aligned with global standards like LEED and WELL to help users manage health and compliance.

Product / Services

Provides IoT/AI-powered indoor and outdoor air quality monitoring systems measuring PM2.5, CO_2, VOCs, and more. Includes certified sensors, a cloud analytics platform aligned with LEED and WELL, and a mobile app delivering real-time alerts and forecasts.

Achievements

- Available upon request

Operating Market(s)

India, SA, SEA and UAE

Climate Impact

Supports air pollution management by enabling construction sites to comply with air quality standards, green buildings to earn IAQ credits under LEED, IGBC, WELL, and GRIHA, and schools, hospitals, offices to create healthier indoor environments.

Contact



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ANGIRUS

Circular Economy & Waste Management, Buildings & Urban Infrastructure

Plastics & Packaging Alternatives, Materials Innovation

India

ANGIRUS®
Building for Sustainable Future

Business Snapshot

Angirus converts plastic and construction waste into strong, low-carbon bricks using Patented Technology that replace traditional clay bricks in buildings and infrastructure.

Website
https://www.angirusind.com/

Business Overview

Business Summary

Angirus is a climate-tech company transforming plastic and construction waste into low-carbon building materials, reducing emissions, waste, and resource use in the construction industry through scalable, decentralized manufacturing.

Product / Services

Wricks®- sustainable, damp-proof, and 2× stronger alternative to clay and cement bricks. Wricks also offer superior thermal insulation, reducing indoor temperature by up to 5°C, and helping cut cooling costs. Requires no coal or topsoil, cuts emissions 70–90%, permanently locks carbon, reducing maintainance cost and enables scalable low-carbon construction.

Achievements

- Forbes Asia 30under30 under Social Impact, 2025
- Winner of Global Citixen X Paypal Impact Business Award, 2025
- Selected by ministry of Information and Broadcasting and Netflix India for Feature story called “azadi ka amrit Kahaniya”

Operating Market(s)

Bangalore, Mumbai and Chennai

Climate Impact

Angirus diverts low-value plastic and construction waste from landfills into durable building materials, processes ~500 tons of waste annually, avoiding 100+ kg CO_2e till date, enabling low-carbon construction while reducing resource extraction and creating local jobs.

Contact



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AVARTAN LABS

Circular Economy & Waste Management

Technology for Waste Management

India

Business Snapshot

Leverages AI-ML technology such as computer vision to drive efficiency in waste segregation and recovery at waste management facilities.

Website

https://avartanlabs.com/

Business Overview

Business Summary

Offers a computer vision-based system to improve operational efficiency at waste management facilities. The technology identifies and counts 18+ categories of waste in real-time, driving transparency and efficiency, while increasing the income potential for waste workers.

Product / Services

Provides a computer vision system for MRFs that detects and counts 18+ waste categories using conveyor-mounted cameras. A real-time dashboard guides labor allocation to improve recyclable recovery, reduce landfill waste, and optimize operations. Pipeline includes AI tools for waste collection and route optimization.

Operating Market(s)

India, SE Asia (eventually)

Climate Impact

Our solutions reduce the environmental footprint of solid waste, by reducing the amount of waste going to landfill/burning, and increasing recycle rates. Our R&D pipelines also include technologies that would reduce the carbon footprint of waste collection and street cleanng.

Contact



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BIO LANKA GLOBAL

Renewable energy & generation, Transportation & mobility, Buildings & urban infrastructure

Green Construction / Renewable Energy

Sri Lanka

BIO LANKA GLOBAL
"Smart Growth for a Better Tomorrow"

Business Snapshot

Delivers solar-powered modular collapsible container units for sustainable infrastructure alongside a range of climate-smart agricultural products.

Website
https://biolankae.com/

Business Overview

Business Summary

Provides solar-powered modular collapsible container units for sustainable infrastructure (Houses, Storage) and commercial use. Integrated with climate-resilient agricultural exports, the solution addresses the affordable housing gap and promotes off-grid living in climate-vulnerable regions.

Product / Services

Delivers solar-powered modular collapsible container units alongside climate-smart agricultural products. Integrates renewable energy and sustainable agriculture to reduce carbon footprints and strengthen rural economies.

Achievements

- International Solar Alliance (APAC Winners) / SAFFAL Finance Accelerator

Operating Market(s)

South Asia,South East Asia, Africa

Climate Impact

Reduce Carbon foot print and Construction waste

Contact



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CARBELIM

Carbon capture, utilization, & storage (CCUS), Food and agriculture

Climate tech

India

Business Snapshot

Develops microalgae-based BioMimetic Facade™ technology that captures CO_2 and improves urban air quality more effectively than trees.

Website

https://carbelim.io/

Business Overview

Business Summary

Develops microalgae-based BioMimetic Facade™ technology that captures CO_2 and releases oxygen. Designed for green buildings, these photobioreactors improve indoor air quality and offer high-value algal byproducts for the protein and pigment industries.

Product / Services

Develops BioMimetic Facade™ technology using microalgae to capture CO_2 and improve urban air quality, claimed to be 400× more effective than trees. Modular facades integrate into buildings, generate byproducts, and support circular economy approaches for healthier, sustainable cities.

Achievements

- Accelerators: IIT Madras Incubation Cell, IIM Lucknow EIC, The Catalyst (UAE), KGAP+ (Japan), Barclays Female Founder accelerator. Awards: Sustainability Grant Challenge by AIC Raise, India ($ 22,000), Middle East Pitch Competition 2nd runner up($15000), MIT solve semifinalist (2025 Global Climate Challenge)

Operating Market(s)

India, Middle east, Canada, Europe

Climate Impact

Carbelim's BioMimetic Facade™ captures CO_2 up to 400× faster than trees per unit area, improves local Air Quality Index by ~33%, and reduces ambient CO_2 levels by ~15% in urban settings. The system converts captured pollution into long-term carbon-negative biochar and high-value sustainable byproducts.

Contact



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CO2NCRETE

Industrial Decarbonization, Buildings & Urban Infrastructure

Low-Carbon Materials, Engineered Carbon Removal

India

Business Snapshot

Manufactures cement-free interlocking blocks using captured CO_2 and industrial waste to provide carbon-negative construction materials.

Website

https://www.co2ncrete.in/

Business Overview

Business Summary

Produces carbon-negative, cement-free interlocking blocks using captured CO_2 and industrial byproducts. The solution provides an affordable, low-carbon alternative for housing and infrastructure, reducing construction costs by 15-20% and significantly cutting emissions.

Product / Services

Manufactures cement-free interlocking blocks using captured CO_2 and industrial waste. Permanently mineralizes carbon, reduces cement demand, and enables faster, lower-cost housing. Each 1,000 sq. ft. locks away 1–1.5 tons of CO_2.

Achievements

- IIMA Ventures
- Bharat Imapact

Operating Market(s)

Western India

Climate Impact

Saved 4000 Tons of GhG, Recycled 20,000 Tons of C&D waste

Contact



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DESIGO® (BHAIRAJ ORGANICS)

Food & Agriculture
Manufacturing & Supply Chain Circularity,
Precision Agriculture, Plastics & Packaging Alternatives
India

Business Snapshot

Operates a zero-plastic, climate-resilient dairy model using RFID reusable containers, solar chilling, and AI-driven quality forecasting.

Website
https://desigomilk.com/

Business Overview

Business Summary

Operates a climate-resilient, zero-plastic dairy supply chain. Utilizing RFID-tagged reusable containers, solar-powered chillers, and AI-driven quality forecasting, the model empowers women farmers while providing pure, traceable milk to urban consumers.

Product / Services

Implements a zero-plastic, climate-resilient dairy model using RFID reusable containers, solar-powered chilling, and AI-driven milk quality forecasting. Cuts plastic waste, diesel use, and emissions while enabling traceable, off-grid dairy operations and empowering women farmers.

Achievements

- TiE Women Rajasthan 2025 – Winner; Project SAFFAL – Selected (Massive Earth Foundation + UNEP); All India startup grand challane winner (DAHD), 2 design patents filed + 5 trademarks filed (Desigo® ecosystem).

Operating Market(s)

Western India

Climate Impact

Avoids 10 lakh single-use plastic sachets/year via reusable containers; 0% spoilage across 300000+ litres using solar chillers + thermal retention; reduces embedded emissions and builds heat-resilient cold-chain; supports women-led farmer livelihoods.

Contact



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DOKO RECYCLERS

Circular Economy & Waste Management

Resource recovery

Nepal

Business Snapshot

Establishers of sustainable plastic waste management in Nepal by introducing semi-automated processing facilities supported by AI technology.

Website

https://dokorecyclers.com/

Business Overview

Business Summary

Operates Nepal's first large-scale Materials Recovery Facility (MRF) using semi-automated sorting and AI. The startup manages municipal waste, recovers recyclables, and produces Refuse Derived Fuel (RDF) used by the cement industry, formalizing the waste sector and reducing landfilling.

Product / Services

Establishes AI-enabled, semi-automated MRFs in Nepal under a plastic and carbon crediting model. Processes up to 50 MT/day initially, scaling to 200 MT/day, reducing landfill waste and enabling financially viable, replicable plastic waste management with municipal partnerships.

Achievements

- SAFFAL. Massive Eath Foundation Accelerator (Ashma), Climatebase Fellow 2025 (Ashma), Slush GIA 2017 Pitch Winner (Doko)

Operating Market(s)

Kathmandu Valley (consists of 18 municipalities), Pokhara, Janakpur, Hetaunda, Nuwakot

Climate Impact

Landfil space saved (# tons of waste processed), # of trees saved (timber), volume of oil saved, volume of water saved, tCO2-eq avoided, power saved

Contact



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EARTHSAATHI

Clean Energy / Bioenergy, Waste-to-Energy, Industrial Decarbonization

Carbon Capture & Utilization (CCU) for Biogas / Bio-CNG Upgrading

India

Business Snapshot

EarthSaathi develops low-energy CO_2 capture and utilization solutions for biogas plants, enabling efficient Bio-CNG production and permanent carbon removal.

Website

www.earthsaathi.com

Business Overview

Business Summary

EarthSaathi builds low-energy CO_2 capture and utilization systems for biogas plants, improving Bio-CNG efficiency while converting captured CO_2 into permanently stored mineralized products, enabling scalable and climate-positive waste-to-energy solutions.

Product / Services

EarthSaathi's product is a low-energy carbon capture and utilization system that captures CO_2 from biogas and industrial gas streams, boosts clean fuel efficiency, and locks carbon permanently through mineralization into eco-bricks, turning unavoidable emissions into lasting climate value.

Achievements

- Shell E4 Net Zero challenge
- Patent filed for NS-Max low-energy solvent system and integrated CO_2 capture–utilization process
- Grant support from AIC-SANGAM (Govt. of India ecosystem) for pilot development and validation

Operating Market(s)

- India (primary focus): Biogas, Bio-CNG, waste-to-energy, and MSME industrial emitters
- South Asia: Nepal, Bangladesh, Sri Lanka (distributed biogas markets)
- Middle East: Industrial CO_2 capture for energy-intensive sectors
- Southeast Asia: Agri-waste biogas and palm-waste plants
- Africa (select regions): Decentralized biogas and clean energy projects

Climate Impact

EarthSaathi enables capture of 1–3 tCO_2/day per mid-scale biogas or industrial unit, prevents methane slip of up to 2–5%, upgrades 100–500 Nm^3/hr biogas, and permanently stores captured CO_2 via mineralization into eco-bricks, reducing lifecycle emissions by 30–50% per installation.

Contact



Dr. Shaurya Mohan & Dr. Namrata Upreti
CEO
Dr. Shaurya Mohan & Dr. Namrata Upreti
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ECO HIVE (PVT) LTD

Buildings and urban infrastructure

Climate-Resilient Buildings, Youth Empowerment with Green Skills Training

Sri Lanka

Eco Hive

Business Snapshot

Operates an integrated sustainability platform combining green building retrofits, certifications, and green skills training.

Website

https://www.ecohive.co

Business Overview

Business Summary

Provides an integrated platform for green building retrofits and sustainability certifications. The startup combines technical energy-saving solutions with a green skills academy to foster climate-resilient urban infrastructure and professional leadership.

Product / Services

Operates an integrated sustainability platform combining green building retrofits and certifications, green skills training through Eco Hive Academy, and sustainability storytelling via Green Buzz. Addresses building-sector emissions while developing a skilled green workforce for long-term climate resilience.

Operating Market(s)

Sri Lanka (primary focus)
B2B: Hotels, corporates, and real estate developers seeking green certifications, retrofits, and carbon management;
Market Size: Sri Lankan construction sector valued at USD 8+ billion annually;
B2C: Graduates, and young professionals;
Market Size: 35K+ graduates annually in Sri Lanka, with strong demand for sustainability-focused skills.

Climate Impact

Data-driven tools (energy/water audits, carbon accounting frameworks, retrofit decision-support models) to deliver measurable climate impact for businesses. Focus on increased climate awareness and shift in public behavior through skilling and storytelling.

Contact



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ENLOG

Climate & Environmental data

Energy Efficiency, Electricity Management System

India

Business Snapshot

Provides AI-powered energy monitoring and optimization devices to reduce electricity waste in residential and commercial buildings.

Website

https://enlog.co.in/

Business Overview

Business Summary

Offers AI-powered IoT devices for real-time electricity monitoring and optimization. The solution helps residential and commercial users reduce energy waste and carbon footprints by providing insights and automated appliance control.

Product / Services

Provides AI-powered energy monitoring and optimization through patented IoT devices. Captures real-time electrical parameters to identify inefficiencies, reduce peak demand, extend equipment life, and lower energy use and carbon emissions without manual intervention or infrastructure changes.

Achievements

- National Energy Conservation Award 2025 in Innovation for Buildings Category by BEE & Ministry of Power
- Startup Maharathi 2025 in Deeptech, AI and Cybersecurity by DPIIT
- Startup of the Year 2025 by Mercom India

Operating Market(s)

Pan India, focusing on Hotels, Offices, Hospitals in Tier 1 cities

Climate Impact

Saved 5500 tons of carbon emission by reducing 6900 MWh electricity wastage

Contact



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GENIUS FARMS LIMITED

Climate & Environmental data

Energy Efficiency, Electricity Management System

Bangladesh

Business Snapshot

Genius Farms is an innovative agritech and software company based in Dhaka, Bangladesh, focused on transforming agriculture with data-driven, AI-powered solutions. It builds digital tools like the Dr.Chashi platform to help farmers diagnose crop health, access weather insights, and connect with agri-product suppliers. The company leverages machine learning and smart tech to improve farming efficiency, sustainability, and decision-making for agricultural stakeholders.

Website

https://genius-farms.com/

Business Overview

Business Summary

Genius Farms is a Bangladesh-based agritech and software company delivering AI-driven, data-centric solutions for modern agriculture. Through digital platforms like Dr.Chashi, it supports farmers with crop health diagnostics, weather insights, and access to agri-inputs. By leveraging machine learning and smart technologies, Genius Farms aims to enhance farming productivity, sustainability, and informed decision-making across the agricultural value chain.

Product / Services

Dr.Chashi app – an AI-driven agriculture platform offering real-time crop health diagnosis, pest/disease detection, weather insights, and farm management tools, plus an e-commerce marketplace for agro-inputs. Agri-input e-commerce – connecting farmers with seeds, fertilizers, pesticides, farm tools and other agricultural products via the Dr.Chashi marketplace. Advisory support & training – guidance on crop care, sustainable practices, and precision farming.

Achievements

- Champion – Robi's BDApps Innovation Summit 2025
- Specially Selected Representative – Chosen by SME Foundation and UNDP to represent the company before Chief Adviser Dr. Muhammad Yunus at the Bangladesh Investment Summit 2025.

Operating Market(s)

Bangladesh (primary), with plans to expand across South Asia and Africa.

Climate Impact

Reduces GHG emissions through optimized pesticide/fertilizer use
Promotes climate-smart agriculture
Enhances biodiversity and soil health
Tracks: GHG reduction, water saved, carbon captured, biodiversity protected

Contact



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GROSS INTERNATIONAL NATURE

Circular Economy & Waste Management

Materials Innovation, Manufacturing & Supply Chain Circularity

Bhutan

Business Snapshot

Produces recycled plastic bricks, rPET pellets, and eco-friendly furniture to promote a circular economy in Bhutan.

Website

https://www.ginearth.org/

Business Overview

Business Summary

Manufactures recycled plastic bricks, pellets, and sustainable furniture in Bhutan. By processing diverse plastic waste streams, the startup promotes a circular economy and provides eco-friendly alternatives for the construction and retail sectors.

Product / Services

Produces recycled plastic bricks, rPET and HDPE pellets, and recycled furniture in Bhutan. Replaces cement and virgin plastics, reduces emissions and plastic leakage, localizes recycling, and creates green jobs for youth and women through a circular materials ecosystem.

Achievements

- Recipient of PLEASE Project Grant (1.04 million USD) by the World Bank- 2024
- UNDP Springboard Challenge Winner- UNDP Bhutan- 2022
- Climate Action Champions Network Winner- ICIMOD- 2021

Operating Market(s)

Bhutan

Climate Impact

Recycled over 45 tons of plastic waste in the past six months, diverting waste from landfills and 337kgs of waste from rivers.

Contact



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INNOGLE TECHNOLOGIES

Water & Ocean, Climate & Environmental Data

Oceantech, Water Bodies Management, & Aquaculture

India

Business Snapshot

Provides a patented AI and IoT platform for real-time fish health and water quality monitoring across diverse aquatic environments.

Website

https://www.innogle.com/

Business Overview

Business Summary

Innogle™ is a deep-tech OceanTech company pioneering Underwater AI (HYDRO-AI) and native-to-ocean digital infrastructure for oceans and all water bodies. As the world's first 5G deployer on the ocean, Innogle designs and builds proprietary underwater AI hardware, sensing systems, and intelligent data platforms that are not adapted from land technologies. Its end-to-end solutions deliver predictive intelligence for underwater monitoring, profitable fishing, aquaculture loss prevention, coastal and inland water security, and life safety through a unified national dashboard and ERP. Backed by 27+ IPs, global awards, regulatory alignment, and active ITU participation, Innogle enables governments and enterprises to build a secure, scalable, and future-ready Digital Ocean.

Product / Services

- KadalCompass™ – Unified national ERP and command dashboard for oceans, rivers, dams, floods, and all water bodies
- Swancee™ – Patented native-to-water Underwater AI hardware
- HYDRO-AI™ – Predictive underwater intelligence for security, climate, fisheries, aquaculture, and disaster management
- SagarNova™ – 3D ocean & underwater data intelligence and behavior mapping using AI
- SARROF™ – Autonomous and remote underwater sensing and robotics framework
- Floating Telecom Towers – Ocean and inland floating 5G/NTN connectivity infrastructure

Achievements

- Recipient of PLEASE Project Grant (1.04 million USD) by the World Bank- 2024
- UNDP Springboard Challenge Winner- UNDP Bhutan- 2022
- Climate Action Champions Network Winner- ICIMOD- 2021

Operating Market(s)

India

Climate Impact

Over 90% of the ocean remains unexplored. Innogle is changing this by deploying native underwater AI devices that continuously sense, map, and analyze ocean and underwater environments. Through real-time data, 3D mapping, and predictive intelligence, Innogle unlocks hidden ocean insights to support climate research, disaster preparedness, ecosystem protection, and sustainable ocean management.

Contact



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JOITA BIOSEED AI

Food & Agriculture

Agri-Nanotechnology, Precision Agriculture

India

Business Snapshot

Delivers a closed-loop climate-resilient farming system integrating specialized hydrogels, micronutrients, and AI-driven advisory.

Website

https://joitabioseedai.com/

Business Overview

Business Summary

Provides a closed-loop farming system integrating specialized hydrogels, micronutrients, and AI-driven advisory. The technology focuses on biofortification and climate-resilient seed development to combat malnutrition and improve crop yields for smallholder farmers.

Product / Services

Delivers a closed-loop climate-resilient farming system integrating BioSynth Prime™ hydrogel, BioSynth Nano™ micronutrients, SmartSeedMat™, and FarmAssist™ AI. Reduces water and fertilizer use, improves germination and yields, restores soil health, and boosts farmer resilience.

Achievements

- TRL-7 validation with 200+ farmers.
- 3 Patents filed for Bimetallic Green Synthesis.
- Winner of SISFS grant and Strategic Partner with Redtone Malaysia.

Operating Market(s)

India (Haryana, Punjab); Southeast Asia (MoU with Redtone Digital Berhad, Malaysia).

Climate Impact

Achieves 40% reduction in irrigation water and 99% reduction in bulk fertilizer usage. Restores soil carbon and reduces chemical runoff through AI-guided "Green Synthesis" bimetallic nano-formulations.

Contact



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KOVAIBSF

Circular Economy & Waste Management

Food Waste & Upcycling, Nature-Based Solutions, Materials Innovation

India

Business Snapshot

Implements decentralized wet-waste processing systems using Black Soldier Fly Larvae to produce sustainable novel protein for aqua, poultry and pet feed. The compost produced is used as biofertilizer.

Website

https://www.kovaibsf.com/

Business Overview

Business Summary

Operates decentralized wet-waste processing units using Black Soldier Fly Larvae (BSFL). The system converts organic waste into sustainable insect protein for aqua and pet feed and the organic frass for fertilizer, supporting circular agriculture.

Product / Services

KovaiBSF specialised in converting larvae biomass into 8 market fit products used in aqua and pet feed manufacturers. Implements decentralized wet-waste processing using Black Soldier Fly Larvae. Prevents ~1,500 tons of food waste annually from reaching dumps, lowers carbon footprint, and reduces BSFL egg costs through low-cost breeding setups to scale sustainable waste management.

Achievements

- Fabcity award - Best overall impact award 2025
- Birac Seed Fund from Golden Jubliee society for women
- HDFC Parivarthan award - 2023
- Tanseed award 4.0.

Operating Market(s)

India & Middle East

Climate Impact

- By avoiding wet waste to reach landfills, we directly contribute to methane generation reduction, 80x more impactful than co2 emission reduction.
- Production of sustainable feed, conservering marine life by reducing fishing for aquafeed.
- Helping inland aquaculture industry to reduce their dependence on antibiotics, with the help of active biomolecules of BSFL. Inturn working towards strong Antibiotics resistance issue and related water body pollution.
- Working on biofertilizer (compost from BSFL), the chitin content helps to reduce the chemical pesticide usage. Saving our soil and human food intake.

Contact



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REVERSE VENDING MACHINE

Energy Storage & Grid Optimization, Food & Agriculture

Clean/Green Powered Cold Chain, Logistics & Supply Chain

Nepal

REVERSE

Business Snapshot

"RVM Nepal provides energy-efficient thermal energy storage solutions to ensure reliable cold-chain logistics, reduce food waste, and cut energy costs and emissions."

Website

https://www.rvmnepal.com

Business Overview

Business Summary

RVM Nepal delivers innovative thermal energy storage solutions for cold-chain logistics, ensuring uninterrupted cooling, reducing energy costs, and minimizing food spoilage. By integrating renewable energy and IoT monitoring, the company helps operators preserve perishable goods, cut emissions, and improve efficiency, advancing food security and sustainable supply chains in Nepal and beyond.

Product / Services

RVM Nepal provides thermal energy storage systems, IoT-enabled temperature monitoring, and integration with cold storage and renewable energy solutions. Services include system design, installation, and maintenance, helping operators reduce energy costs, prevent food spoilage, and ensure reliable, sustainable cold-chain operations.

Achievements

- Swiss contact (Nepal agricultural development programe awardee)

Operating Market(s)

Nepal

Climate Impact

RVM Nepal's thermal energy storage solutions reduce diesel and electricity use, cutting CO_2 emissions by up to 150 tons per site annually, while preventing 20–40% of post-harvest food waste, conserving resources, and strengthening climate-resilient cold-chain logistics.

Contact



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PROXIMAL SOILSENS TECHNOLOGIES

Food & Agriculture, Climate & Environmental Data

Wet Waste Upcycling, Nature-Based Solutions, Sustainable Feed

India

SoilSens
Ground-breaking agri-tech systems

Business Snapshot

Builds a suite of portable, low-cost, and scientifically validated soil-health devices to optimize agricultural inputs.

Website
https://www.soilsens.com/

Business Overview

Business Summary

Builds portable, low-cost, and scientifically validated soil-testing devices. These tools provide real-time data on soil health and nutrients, enabling precision agriculture and reducing the overuse of fertilizers for smallholder farmers.

Product / Services

Develops low-cost, portable soil health devices including NutriSensX, TerraOC, and TerraStation. Enables real-time nutrient, SOC, moisture, and microclimate data, reducing fertilizer and water use, lowering emissions, enabling carbon MRV, and improving farmer incomes.

Achievements

- N/A

Operating Market(s)

India

Contact



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SHONDHIBAZAR

Food & Agriculture

Climate-Resistant Crops, Agri-Biotech, Manufacturing & Supply Chain Circularity

Bangladesh

Shondhibazar™ go green, grow green

Business Snapshot

Operates a farm-to-table platform that links smallholder farmers directly to urban consumers through a climate-resilient supply chain.

Website

https://shondhibazar.com/

Business Overview

Business Summary

Operates a climate-resilient farm-to-table supply chain. The platform connects rural smallholder farmers directly to urban consumers, ensuring fair trade pricing and promoting sustainable, chemical-free agricultural practices.

Product / Services

Operates Bangladesh's first farm-to-table climate-resilient platform linking smallholders to consumers. Promotes chemical-free farming, fair pricing, circular packaging, and localized distribution, reducing emissions, plastic waste, food miles, and strengthening farmer resilience.

Achievements

- Most Impactful Business Award (2025) – Awarded under the Inclusive Growth: Gender Lens Investing (GLI) Programme, sponsored by Truvalu Bangladesh and supported by the Embassy of Switzerland.
- Orange Corners Incubation Programme – Cohort 4 – Completed a competitive incubation focused on gender-inclusive entrepreneurship, investment readiness, and market scaling.
- International Market Exposure (UK, 2025) – Selected for a UK business visit where international stakeholders assessed Shondhibazar's retail and processing operations for export readiness.

Operating Market(s)

- Domestic: Dhaka, Bangladesh (Primary hub with 5 planned "Hybrid" outlets/dark stores).
- International (Export): United Kingdom (via "Partners") and United Arab Emirates (UAE).

Climate Impact

Shondhibazar reduced environmental waste by eliminating 200,000+ single-use plastic units through reusable glass packaging and biodegradable alternatives. By sourcing locally from 1000+ farmers, the enterprise reduced food miles and post-harvest waste through value-added processing, strengthening climate resilience in the agri-food supply chain.

Contact



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TETRA

Water & Ocean, Adaptation & Resilience

Clean Drinking Water

Bangladesh

Business Snapshot

Deploys solar-powered desalination plants integrated with IoT-enabled Water ATMs to provide clean water to coastal communities.

Website

https://tetrabd.com/

Business Overview

Business Summary

Deploys solar-powered desalination plants and IoT-enabled "Water ATMs" in climate-vulnerable coastal regions. The solution provides affordable, safe drinking water while reducing the physical burden of water collection for women and girls.

Product / Services

Deploys solar-powered desalination plants integrated with IoT-enabled Water ATMs in coastal Bangladesh. Provides affordable 24/7 safe water, reduces operational emissions, and empowers women as micro-entrepreneurs managing kiosks for inclusive, climate-resilient access.

Achievements

- IWA Young Leadership Award
- UNDP WASH Innovation Challenge Champion
- Expo City Global Innovator
- Young Water Fellowship

Operating Market(s)

Bangladesh

Climate Impact

Safe water access and distribution to climate vulnerable households

Contact



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TUVAI NATURE

Food & Agriculture

Climate-Resistant Crops, High-value Cropping, Tribal Employment

India

Business Snapshot

Tuvai Nature works with small and tribal farmers to build sustainable, climate-resilient value chains for high-value medicinal and aromatic crops.

Website

https://www.tuvainature.com

Business Overview

Business Summary

Tuvai Nature is a women-led agri-enterprise enabling tribal women farmers to grow high-value medicinal and aromatic crops on degraded land, creating climate-positive, traceable supply chains while improving farmer incomes and ensuring quality essential oils for global markets.

Product / Services

Tuvai Aroma offers high-quality, traceable essential oils and aromatic products sourced from sustainably cultivated medicinal and aromatic crops grown by small and tribal farmers in Eastern India. Its product portfolio includes pure steam-distilled essential oils such as vetiver, lemongrass, palmarosa, and cypriol, along with aromatic raw materials, dried biomass, and hydrosols as co-products. Processing is done through decentralized, village-level distillation units, ensuring quality consistency, purity, and higher value capture for farmers. By combining climate-resilient farming, ethical sourcing, and transparent supply chains, Tuvai Aroma serves B2B buyers in fragrance, wellness, cosmetic, and allied industries.

Achievements

- Recognised as a Top 3 Startup in the Sustainable Agriculture Challenge organised by Switch ON Foundation
- Selected as a cohort enterprise at UnLtd India
- Part of the UN SAFFAL Program supporting climate-focused, women-led enterprises
- Supported under the IIMA Ventures ecosystem
- Founder awarded 40 Under 40 Women Entrepreneur by Krishi Jagran
- Recognised as a Women Entrepreneur by Odisha Corporate Foundation

Operating Market(s)

India

Climate Impact

Tuvai Nature's climate impact lies in promoting climate-resilient agriculture by shifting farmers from water-intensive paddy to low-input medicinal and aromatic crops. This reduces water use, restores degraded and fallow land, improves soil health, and enhances on-farm biodiversity

Contact



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URBAN FARM

Food & Agriculture

Urban Aeroponics

Bhutan

Business Snapshot

Operates urban aeroponics farms using vertical tower systems that produce vegetables with significantly reduced water consumption.

Website

https://www.facebook.com/urbanfarmbht

Business Overview

Business Summary

Utilizes aeroponic vertical farming systems to grow fresh produce in urban environments. The modular tower technology reduces water usage by 90% compared to traditional farming and provides chemical-free vegetables for local markets.

Product / Services

Operates urban aeroponics farms using vertical tower systems that grow vegetables with up to 90% less water. Produces food hyper-locally in Thimphu, reducing imports, transport emissions, land constraints, and water stress while supporting Bhutan's carbon-negative goals.

Achievements

Bhutan EntrepreneurialEducation Program (BEEP)

Operating Market(s)

Thimphu Bhutan

Climate Impact

uses 90% less water, requires very less space, no pesticides, year-round production, reduces carbon foot prints

Contact



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URBAN INVENTORS

Buildings & Urban Infrastructure

Waste Management, DisasterTech (Flood)

Sri Lanka

SMART DRAIN
BY URBAN INVENTOR

Business Snapshot

Developed a modular retrofit insert for curb inlets that captures waste and prevents flooding in urban drainage systems.

Website
https://smartdrain.network

Business Overview

Business Summary

Developed a modular curb-inlet retrofit that captures waste and prevents urban drainage blockages. Integrated with sensors, the system provides real-time alerts to municipal authorities to mitigate flooding risks.

Product / Services

Developed Smart Drain, a modular retrofit insert for curb inlets that captures waste, maintains stormwater flow, and prevents flooding. Integrated sensors and dashboards provide real-time alerts and predictive maintenance, enabling risk-based drain cleaning and climate-resilient flood prevention.

Achievements

- WIPO Global Awards 2025 winner
- Winner of the Australian Good Design Awards 2024: Best in Class (Engineering Design) and Gold Accolade
- Selected for product validation testing at the CERN Green Village testbed (2026)

Operating Market(s)

- Sri Lanka (R&D and early deployments), Australia (Queensland and Victoria pilot pipeline), Europe (CERN Green Village product validation and EU entry point), India (Delhi pilot planning).

Climate Impact

The Smart Drain prevents storm-drain blockages and reduces flash-flood risk by intercepting plastics and organic debris at the inlet. Integrated sensing enables condition-based maintenance, reducing unnecessary truck movements. Impact is measured through debris captured, reduction in blockage events, faster response times, and avoided flood damage.

Contact



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WATTCYCLE

Circular Economy & Waste Management, Renewable Energy & Generation

Solar Panel Recycling & Upcycling

India

Business Snapshot

Develops a comprehensive solar circularity ecosystem combining drone monitoring with localized recycling and upcycling of panels.

Website

https://wattcycle.ai/

Business Overview

Business Summary

Builds a solar circularity ecosystem using drone-based monitoring and localized recycling hubs. The startup recovers high-value materials from end-of-life solar panels, extending product lifespans and reducing environmental waste.

Product / Services

Builds a solar circularity ecosystem combining drone-based monitoring, localized recycling, and upcycling of solar panels. Recovers high-value materials, extends panel lifetimes, redeploys functional modules, reduces landfill waste and emissions, and creates inclusive green jobs.

Achievements

- Selected for the Mango Accelerator; Co-founder chosen for the EnterpriseTech Program by Cambridge Judge Business School. Ranked Top 15 All-India Women Startathon by Shooting Star Foundation and BlackSoil. Three patents submitted.

Operating Market(s)

Domestic: Himachal Pradesh and Maharashtra

Climate Impact

Wattcycle enables circular solar waste management by processing ~50,000 end-of-life solar panels by 2026, equivalent to ~1,000–1,250 tonnes of waste. The solution enables recovery of glass, aluminium, and silicon, avoiding an estimated ~1,200–2,000 tonnes of CO_2e emissions and reducing landfill burden.

Contact



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XLEAP CARE PRIVATE LIMITED

Circular Economy & Waste Management, Adaptation & Resilience

Sustainable Menstrual Hygeine

India

FLAWSOME
Flawlessly Awesome

Business Snapshot

Developed India's first flushable and biodegradable sanitary pad to eliminate plastic waste in menstrual hygiene management.

Website

XLeap Care Private Limited

Business Overview

Business Summary

Developed the first flushable and biodegradable sanitary pad made from plant-based, water-soluble materials. The product eliminates plastic waste in menstrual hygiene, addressing a critical gap in sustainable waste management.

Product / Services

Developed India's first flushable, biodegradable sanitary pad made from plant-based, water-soluble materials. Pads dissolve within minutes, eliminating plastic waste, reducing landfill and incineration emissions, and enabling sustainable menstrual hygiene where waste infrastructure is limited.

Achievements

- Patent Filed
- Indian patent on flushable design. US filing in progress.
- Tie- Delhi NCR chapter Winner. Represented India in Global Summit
- Listed in Forbes Top 100 start ups of India 2025

Operating Market(s)

Online Ecommerce, Offline Retail, Quickcommerce

Climate Impact

Market Size & Scale Estimation
Total Addressable Market (TAM)
India has approximately 40 crore women in the 18-45 age group, forming the overall menstrual care market.
Urban Addressable Market
About 32% of India's female population lives in urban areas, translating to roughly 12 crore urban women.

Contact



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SOUTHEAST ASIA

The Southeast Asia cohort of She Wins Climate brings together 25 women-led climate ventures from Cambodia, Indonesia, Malaysia, Myanmar, the Philippines, Thailand, and Viet Nam. These companies reflect the region's growing depth of climate innovation, shaped by rapid economic growth, urbanization, and increasing exposure to climate risks.

Across the cohort, founders apply technical, scientific, and operational expertise to deliver solutions that support low-carbon, resilient, and inclusive development, particularly for smallholder farmers, SMEs, industrial users, and climate-vulnerable communities.

What distinguishes this cohort is the breadth of real-economy climate solutions, spanning circular economy and waste management, renewable energy, food and agriculture, water and sanitation, buildings, and nature-based solutions. Many ventures deliver impact through service-based and performance-driven approaches, demonstrating how practical climate solutions can scale across diverse Southeast Asian markets. We invite investors and partners to engage with these ventures through capital, partnerships, and market access to support their growth and long-term impact.

Implementing Partner:

NEW ENERGY NEXUS

New Energy Nexus (NEX) is a global organization advancing a 100% clean energy economy by supporting diverse entrepreneurs with accelerators, funding, skills, and networks. NEX has backed 1,500+ startups, empowered 10,400+ founders, and mobilized over US$4.7B. Founded in California in 2004, it now operates programs across 13 countries.

AGRO AGAPE

Circular Economy & Waste Management

Recycling & Upcycling Innovations

Cambodia

Business Snapshot

AGRO AGAPE CO., LTD is a women-led agriculture startup delivering farm-to-table and back-to-farm services for coffee farmers, recycling agricultural waste into biofertilizer and using solar energy for irrigation and farm management and converting agri-waste into energy for processing.

Website

https://www.agroagapecambodia.com/

Business Overview

Business Summary

AGRO AGAPE CO., LTD is a women-led agriculture startup delivering farm-to-table and back-to-farm services for coffee farmers. By recycling coffee waste into biofertilizer and using solar-powered irrigation and farm management, the company reduces chemical fertilizer use, lowers environmental impact, and builds a circular, climate-resilient agro-ecosystem.

Product / Services

Solar Pyrolysis machine for converting agri-waste into energy for agriculture processing and Nitrogen-fixing with biochar for biofertilizer.

Achievements

Boosts rural incomes by increasing local coffee production through modern, eco-friendly farming practices.

Operating Market(s)

Cambodia (Phnom Penh and Siemreap).

Climate Impact

AGRO AGAPE CO., LTD addresses soil degradation and high input costs by converting coffee husks (after mushroom composting), manure, and biochar into biofertilizer, restoring soil health, reducing chemical use, and integrating solar-powered irrigation for sustainable, cost-efficient, climate-smart coffee farm management.

Contact



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CARBONWIZE

Climate & Environmental Data
Carbon Accounting & Reporting Tools
Thailand

Business Snapshot

Carbonwize is a Bangkok-based climate tech startup transforming how enterprises manage and reduce their carbon emissions

Website
https://www.carbonwize.io/

Business Overview

Business Summary

Carbonwize, a Bangkok-based climate tech startup, offers an AI-powered platform for carbon tracking, compliance, and decarbonization. Integrated with enterprise systems and aligned with global standards, we support listed companies and banks in driving climate action. Recognized by COP28, APEC, and UNESCAP, we bridge businesses and climate finance in Southeast Asia.

Product / Services

Carbonwize is an audit-grade carbon management platform that automates enterprise carbon accounting, ensures regulatory compliance, and delivers precise, verifiable emissions insights across all scope,helping organizations report with confidence and take measurable climate action.

Achievements

- Carbonwize is selected to be the official vendor for Stock Exchange of Thailand
- The platform is reviewed by over 30 auditors across 7 reputable audit firms
- Carbonwize is collaborating with banks in $10 billion pool of sustainability-linked loans

Operating Market(s)

Thailand, Vietnam

Climate Impact

Carbonwize addresses Southeast Asia's carbon reporting gap, where most businesses lack tools to meet rising disclosure mandates. Our AI-powered platform automates data collection, calculates Scopes 1–3 emissions, and aligns with global standards bridging compliance, decarbonization, and green finance. We've verified 800,000 tCO_2e and aim for 50M annually, building the backbone of a low-carbon economy.

Contact



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CAS ENERGY

Renewable Energy & Generation
Solar Power
Vietnam

Business Snapshot

CAS Energy is an innovative integrator leveraging systems thinking to provide climate-smart solutions that align with and advance the Sustainable Development Goals (SDGs).

Website
https://cas-energy.com/

Business Overview

Business Summary

CAS Energy is an innovative integrator leveraging systems thinking to provide climate-smart solutions that align with and advance the Sustainable Development Goals (SDGs). As a pioneer in the Circular, Green, and Blue Economy, CAS Energy offers REGreen, an Eco-solar solution designed to support enterprises in their green transition.

Product / Services

REGreen solution delivers greening services with zero capex and opex, not only providing renewable energy, but also bringing more benefits: Green spaces; energy efficiency, reducing carbon emissions; and enhancing the enterprise's ESG, CSR practice. The service is financed through a discounted monthly electricity bill, removing the financial burden and accelerating the adoption of sustainable practices.

Achievements

- Winner of the Vietnam Corporation Sustainability Award 2023, 2024 and 2025.
- Impact Award - City Preneurs 2024 by UNDP
- UN Women 2024 Asia-Pacific WEPs Awards

Operating Market(s)

Vietnam

Climate Impact

REGreen transforms urban and industrial dead spaces into multi-functional green areas through circular agriculture, renewable energy and creating jobs for local residences, especially vulnerable people. This integrated approach also diverts organic waste into agricultural inputs, provides affordable local organic food, and enhances urban resilience. By 2030, we aim to scale to 1GW of eco-solar solutions for 500 factories and 20,000 buildings with impacts: 1.5B+ kWh of green energy annually, Reducing 1.5M+ tons of carbon annually, Creating 10K+ green jobs, and Creating 5M+ m^2 of green space.

Contact



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CRUSTEA

Renewable Energy & Generation
Solar Power
Indonesia

Business Snapshot

A technology-based company focused on transforming aquaculture through smart IoT, AI, and renewable energy. Leveraging innovative aquaculture technologies and environmentally responsible practices, Crustea helps shrimp and fish farmers to increase yield while minimizing the ecological footprint of aquaculture production. The enterprise supports farmers' communities by providing training, cultivation assistance, and access to sustainable livelihoods. Through its commitment to quality, traceability, and sustainability, Crustea is helping to build a more resilient and responsible aquaculture industry as well as enhance food security in Indonesia and globally.

Website
https://www.crustea.id/

Business Overview

Business Summary

Crustea is a tech-driven aquaculture startup in Indonesia, providing integrated hardware and software to help shrimp farmers optimize productivity, reduce risk, and improve sustainability. Our smart devices and digital platform enable real-time monitoring and data-driven decisions, supported by training, field assistance, and market access to foster profitable, transparent farming.

Product / Services

Our integrated business ecosystem combines smart aquaculture technology, sustainable farming assistance, value-added food processing, eco-tourism, and capacity-building programs. We empower communities, improve energy efficiency, expand market access, and create long-term social, economic, and environmental impact through partnerships and innovation.

Achievements

- Within six months of launch, Crustea onboarded 600+ farmers across 10+ Indonesian regions. From 2022–2025, it earned 20+ national and international awards and built 15+ partnerships spanning private, government, academic, and community sectors. Key recognitions include New Energy Nexus, ASEAN Digital Awards Gold (2024), Startup World Cup Indonesia Winner (2024), and multiple global delegations and accelerators. Crustea is backed by P4G, underscoring its climate-resilient aquaculture mission.

Operating Market(s)

Indonesia (expanding internationally in 2026)

Climate Impact

Crustea accelerates climate-smart aquaculture by integrating AI, IoT, and renewable energy. Solar-powered smart energy systems and eco-aerators cut fuel and electricity costs by up to 80%. The EBII AI system optimizes water, energy, and farm management, reducing up to 20,000 tCO_2 emissions while increasing productivity by up to 50%.

Contact



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EARTHBOUND LEAF LEATHER

Circular Economy & Waste Management
Recycling & Upcycling Innovations
Thailand

Business Snapshot

Earthbound transforms agricultural waste—over 24 leaf varieties such as vetiver, lotus, and bodhi—into biodegradable leaf leather.

Website
http://www.earthboundsea.com/

Business Overview

Business Summary

Earthbound turns 24+ types of agricultural leaves into biodegradable leather, preventing burning and landfill waste. Using nano-rice starch and bio-based leather tech, we cut water use by 90% and carbon emissions by 85% versus conventional leather. Our scalable model boosts rural incomes, advances circularity, and offers a cost-competitive, low-carbon alternative.

Product / Services

Earthbound develops bio-based leather materials made from agricultural leaf waste.
Using non-toxic more than 80% biobased coatings, our products preserve natural leaf textures while delivering durability, flexibility, and water resistance— offering a scalable, sustainable alternative to synthetic leather for fashion, packaging, and interior applications.

Achievements

- Established legal entities in Thailand and China and secured flagship clients, including the Thai Royal Household.
- Protected IP with patents and trademarks; received innovation awards and incubation at Sichuan University.
- Demonstrated impact with a 30% increase in rural incomes, validating scalability.

Operating Market(s)

China and Thailand

Climate Impact

Earthbound upcycles 24+ leaf varieties into biodegradable leather, cutting water use and carbon emissions by 85–90% versus conventional leather. Our certified, high-performance material replaces animal and synthetic leather, reduces agricultural waste, and boosts farmer income offering fashion and automotive brands a scalable, cost-competitive solution to lower Scope 3 emissions.

Contact



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ECONELLA

Circular Economy & Waste Management
Waste-to-Energy Solutions
Indonesia

Business Snapshot

Econella offers a solution through its bio-additive product.

Website
https://instagram.com/econella.id

Business Overview

Business Summary

Econella produces a bio-additive made from rejected citronella and clove leaf waste. Just three drops per liter of diesel can improve fuel efficiency by up to 25%, enhance combustion performance, and reduce emissions of CO_2, SO_2, and NOx by 30–36%. Residual biomass is further processed into bio-pellets or biochar, creating a circular, zero-waste, and decarbonizing fuel solution that lowers both environmental impact and operating costs for farmers.

Product / Services

Econella i an eco friendlydiesel bio additive designed to improve fuel efficiency, reduce emissions and enhance engine performance. it is suitable for agricultural machinery, supporting cleaner and more efficient energy use.

Achievements

- Sold 7,333 bioadditive units since 2021, generating IDR 256M, with transactions nearing 4,000 units in 2024.
- Operations include a mini-plant workshop and local sourcing from clove and citronella suppliers.
- Built 20+ partnerships with farmers, cooperatives, and distributors.
- Upcycled 1+ ton of clove leaf waste and 750 kg of rejected citronella annually

Operating Market(s)

Agricultural Sectors in Eastern Indonesia.

Climate Impact

Econella tackles agricultural emissions from fossil-fuel machinery and unmanaged clove and citronella waste in Eastern Indonesia. By converting agricultural waste into bio-additives, we reduce fuel consumption and cut emissions by 30–36%, while processing by-products into bio-pellets to ensure zero waste. This circular production model, supported by hybrid solar-electric energy, reduces costs, and delivers scalable climate impact across rural communities.

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ENABLE EARTH CO., LTD.

Circular Economy & Waste Management
Recycling & Upcycling Innovations
Thailand

Business Snapshot

Enable Earth decarbonizes industries by repurposing carbon into new material and energy

Website
https://enableearth.eco/

Business Overview

Business Summary

Enable Earth delivers end-to-end, modular, carbon-negative systems that convert biomass residues into clean industrial heat, electricity, and permanent carbon removal. We partner with hard-to-abate industries across Southeast Asia to decarbonize operations while creating scalable, circular value.

Product / Services

We offer an end-to-end, modular, co-locatable biochar carbon removal system that produces continuous high-temperature industrial heat, clean electricity, and verified carbon removal credits. Designed for 24/7 operation, it integrates seamlessly with existing factories and enables cost-effective decarbonization at scale.

Achievements

- Airminers
- Venture Spark
- Passed Puro.earth's Preliminary Assessment

Operating Market(s)

Thailand and expanding across SE Asia

Climate Impact

Available upon request

Contact



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GAIA BUILDERS

Buildings & Urban Infrastructure

Energy-Efficient Buildings & Retrofitting

Philippines

Business Snapshot

GAIA delivers permanent decarbonization through its ThermaTight Solution—transforming buildings into heat-resilient, airtight, passive structures using building-science diagnostics and long-life heat-blocking materials to reduce energy demand at the envelope level so clean energy can scale efficiently.

Website

https://www.facebook.com/profile.php?id=61588381215013

Business Overview

Business Summary

GAIA reduces building energy demand at the source through its ThermaTight Solution, a two-step system that begins with building-science diagnostics and ends with permanent envelope optimization. We first measure how heat actually enters a facility—quantifying leakage, heat gain, and envelope performance using thermal audits, airtightness testing, and heat-load analysis. This diagnostics-driven approach identifies where energy is being lost and what interventions will deliver the highest impact.
Once demand drivers are verified, GAIA applies SuperTherm, a long-life heat-blocking material with decades of proven performance, to the building envelope. By combining precise diagnostics with durable material intervention, we lock in reduced cooling demand for decades—delivering verified energy reduction, asset protection, and permanent decarbonization.

Product / Services

SuperTherm is a high-performance, heat-blocking coating engineered to stop radiant heat at the building envelope. Unlike conventional reflective paints, it has demonstrated real-world performance for over 35 years with minimal degradation, enabling long-term reduction of cooling demand, asset protection, and permanent, verifiable decarbonization.

Achievements

- Completing pilot audits with measurable energy results, partnering with Subic Freeport Zone,
- Gaining recognition through climate innovation forums.
- Developing proprietary tools to quantify heat, energy, and emissions while strengthening ESG alignment.

Operating Market(s)

GAIA serves cooling-intensive facilities including economic zones and industrial parks, cold storage and food logistics centers, data centers, commercial real estate, hospitals, hotels, large retail chains, and educational campuses.

Climate Impact

The CoolRoof Project addresses extreme heat and runaway energy use in buildings—one of the fastest-growing sources of greenhouse gas emissions. By applying SuperTherm as part of GAIA's ThermaTight Solution, we block up to 96% of solar heat and reduce cooling demand by up to 50%, locking in verified carbon reduction for more than 30 years. This durable, passive intervention cuts operating costs, protects assets, and enables building owners, developers, and governments to achieve credible, long-term net-zero outcomes.

Contact



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IKANESIA

Circular Economy & Waste Management
Recycling & Upcycling Innovations
Indonesia

Business Snapshot

Ikanesia is a climate-tech startup transforming fish waste, agricultural residues, and local biomass into low-cost, sustainable animal feed through a circular economy model.

Website
https://ikanesia.com/en

Business Overview

Business Summary

Ikanesia transforms fish waste, farm residues, and local biomass into low-cost, sustainable feed, making aquaculture affordable and reducing pollution. Operating in Indonesia's coastal and rural areas, we restore abandoned tin mines for aquaculture and integrate women- and youth-led SMEs, fostering inclusive, circular, and climate-resilient food systems.

Product / Services

Ikanesia produces various environmentally friendly pet pellet feeds, processed with a balanced and complete nutritional formula that is good for the growth and health of your beloved animal.

Achievements

- Converted 30–50 tons of organic waste into fish feed through pilots, securing 100 smallholder farmers and 13,300 hobbyists as customers.
- Launched our first facility in Belitung, built a strategic consortium, and restored tin mining sites.
- Earned recognition from national and international platforms.

Operating Market(s)

Our market operations in Indonesia and ASEAN

Climate Impact

Ikanesia turns Indonesia's 1.2M+ tons of unmanaged fish waste and crop residue into low-cost, sustainable aquaculture feed by cutting methane and CO_2 emissions, lowering feed prices by up to 40%, and restoring degraded land. Our circular model supports small farmers, empowers women-led SMEs, and builds scalable, climate-resilient aquaculture systems.

Contact



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INNO GREEN TECH

Circular Economy & Waste Management
Resource Efficiency & Material Recovery
Thailand

Business Snapshot

INNO GREEN TECH Co., Ltd. transforms wastewater into a regenerative resource through BioCircuit—an AI-integrated bio-electrochemical system

Website
www.innogreentechglobal.com

Business Overview

Business Summary

INNO GREEN TECH Co., Ltd. is a climate-focused startup transforming wastewater into a regenerative resource with BioCircuit is an AI-integrated bio-electrochemical system. Cutting 17 tons CO2e/m3/year, preventing biodiversity loss, and enabling ESG compliance, BioCircuit offers scalable, smart, and modular solutions that advance climate resilience and multiple UN SDGs.

Product / Services

BioCircuit is a modular, nature-based wastewater treatment system that cuts water costs, energy use, and carbon emissions by over 90%. It enables on-site water reuse with no sludge, low OPEX, and fast payback—ideal for hospitality, industry, and smart cities.

Achievements

- Validated its BioCircuit wastewater system through pilot projects, secured 13 active users, and won the UN Climate Action Leaders Award 2025.
- Expanded into Thai and ASEAN markets, built strategic partnerships.
- Advanced an IP roadmap positioning us for sustainable growth and regional leadership.

Operating Market(s)

INNO GREEN TECH targets high-growth wastewater markets in Southeast Asia, the Middle East, and Africa.

Climate Impact

INNO GREEN TECH tackles wastewater pollution, a major yet overlooked GHG source and driver of ecosystem loss. Our BioCircuit system uses low-energy microbial fuel cell technology with AI diagnostics to cut costs, ensure compliance, and enable carbon credit generation. Scalable and off-grid-ready, it transforms wastewater from a climate liability into a regenerative asset.

Contact



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LIVING ROOTS

Food & Agriculture

Sustainable Fertilizers & Soil Health

Thailand

Business Snapshot

INLiving Roots develops biologically enhanced fertilizers and soil amendments, improving crop yields by 30%

Website

https://www.linkedin.com/company/living-roots-ag/

Business Overview

Business Summary

Living Roots develops biologically enhanced fertilizers and soil amendments that restore degraded soils, cut reliance on synthetic inputs, and boost carbon retention. Based in Thailand, we help farmers in climate-vulnerable regions achieve higher yields, lower costs, and greater resilience to drought advancing regenerative, low-emission agriculture.

Product / Services

Living Roots products focus on regenerative crop performance: biological fertilizers and biostimulants, residue-breakdown sprays, seed coatings, and microbial inoculants. We make advanced, precise, natural fertilizers—often upcycled from waste materials—designed for tropical conditions. Each product is trial-tested to improve nutrient efficiency, strengthen soil biology, boost resilience, and increase farm profitability.

Achievements

- Validated our products through trials with 12 agribusiness partners in Thailand, reducing fertilizer use by up to 50%.
- Expanded R&D and soil-testing capabilities.
- Positioned for scalable, data-driven deployment across Southeast Asia

Operating Market(s)

Thailand

Climate Impact

We address severe soil degradation in Southeast Asia, where smallholders face rising input costs, falling yields, and climate stress. Using soil and microbial data, we deliver region-specific biological inputs that boost yields up to 30%, cut chemical use, and restore long-term soil health making regenerative, low-input farming practical and scalable.

Contact



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MANGROVE CRAB LABS

Water & Ocean
Sustainable Fisheries & Aquaculture
Indonesia

Business Snapshot

Mangrove Crab Labs is a sustainable aquaculture company in Indonesia, dedicated to restoring coastal ecosystems while supporting inclusive economic development.

Website
https://www.linkedin.com/company/mangrovecrablabs/

Business Overview

Business Summary

Mangrove Crab Labs in Cilacap, Indonesia, restores 80% of abandoned ponds as mangroves and uses 20% for sustainable mud crab farming. This nature-based, community-led model boosts biodiversity, and provides reliable income by advancing climate resilience and inclusive development in a vulnerable coastal region.

Product / Services

Mangrove Crab Labs produces premium live mud crabs with consistent quality and full traceability. Our operations reduce pressure on wild stocks, support mangrove restoration, and strengthen coastal livelihoods. We offer an ethical, stable, and high-value seafood option for culinary markets and ESG-focused partners seeking impact-driven sourcing across domestic and international supply chains.

Achievements

- Validated its hybrid model of mangrove restoration and low-emission crab farming through pilots in Central Java, with strong community participation and first sales confirming market demand.
- Expanded our team with coastal communities, prioritized women's engagement,
- Gained recognition from global climate innovation programs and accelerators.

Operating Market(s)

Operates in Indonesia, primarily in Cilacap, Central Java. Our mud crab products are currently sold in domestic markets, particularly Central Java and the Greater Jakarta area.

Climate Impact

Mangrove Crab Labs restores degraded coastal ecosystems in Indonesia by combining 80% mangrove rehabilitation with 20% low-emission mud crab aquaculture. Using recycled crab houses, we transform abandoned ponds into carbon sinks and sustainable livelihoods empowering communities, especially women while protecting coastlines, boosting incomes, and offering a scalable, nature-based climate adaptation and mitigation model.

Contact



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MYANMAR MYAT ROYAL

Renewable Energy & Generation

Solar Power

Myanmar

Business Snapshot

Myanmar Myat Royal is a female-founded startup promoting climate resilience through the installation of affordable solar-powered irrigation for smallholder farmers.

Website

https://www.myanmarmyatroyal.com

Business Overview

Business Summary

Myanmar Myat Royal, a female-founded startup, delivers affordable solar-powered irrigation to smallholder farmers, replacing fossil-fuel pumps and cutting emissions. Focused on communities hit by recent floods and earthquakes, we restore livelihoods, boost food security, and empower women through training and jobs advancing scalable, climate-resilient agriculture in Myanmar.

Product / Services

We provide solar home and irrigation systems through a diversified portfolio of solar energy solutions, including innovative mobile, cart-mounted units and fixed installations. Our mobile systems reduce theft risk and offer flexibility, allowing farmers to easily relocate assets—delivering a strong value proposition in rural markets.

Achievements

- Validated the solution through community consultations and pilot trials with farmers in Tat Kone Township, confirming demand and usability.
- Developed and tested a functioning rural solar prototype, receiving positive feedback on reliability and cost-effectiveness.
- Secured initial pilot customers and built a committed core team of trained technicians and community outreach workers, establishing early trust and execution capacity.

Operating Market(s)

Total Agricultural lands of 104,985 Acres of 176 villages within the Tatkone Township. Our Target Market is Group of Farmers, Smallholder farmers, and low-income rural communities. After that moving onto the farmers in Ayarwaddy divisions, Mague Division and other states and Devisions of Myanmar.

Climate Impact

Myanmar Myat Royal addresses rural energy poverty and climate vulnerability by replacing diesel with solar systems for irrigation, cold storage, and farm machinery. Its installations reduce over 1,050 tons of CO_2 annually, with 1 MW generating 1.5 million kWh per year. Solar mini-grids and rooftop systems are monitored biannually to track emissions avoided and energy saved.

Contact



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MYPERMASCHOOL

Food & Agriculture
Regenerative Agriculture
Indonesia

MyPermaSchool

Business Snapshot

Promoting the climate solution to develop Healthy Soil, Healthy Food, Healthy Children

Business Overview

Business Summary

MyPermaSchool, by Yayasan Tunas Cerdas Gemilang, trains Indonesian teachers to integrate permaculture into daily classroom activities, guiding children to grow food without chemicals. Using small plots, students learn hands-on how nature works while reducing emissions, protecting soil and water, and fostering early climate and environmental stewardship.

Product / Services

Permaculture-based teacher training and education services, including hands-on workshops, school mentoring, curriculum integration support, and upcoming subscription-based digital learning modules for climate and environmental education.

Achievements

- Validated inclusive education through organic gardening, evolving into a full Permaculture program on restored land.
- 120 teachers from 40 schools have been trained using our hybrid model, adaptable to urban and rural contexts.

Operating Market(s)

Indonesia (working with partner schools, NGOs, and education institutions), with plans for national scale through digital delivery.

Climate Impact

MyPermaSchool tackles soil degradation and biodiversity loss from year-round, chemical-intensive rice farming in Indonesia by embedding hands-on permaculture into early education. We train teachers to integrate planting, waste reduction, and ecosystem restoration into lessons, turning classrooms into active climate learning spaces and fostering environmental stewardship from a young age.

Contact



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NGUYEN KHOI GREEN JOINT STOCK COMPANY

Food & Agriculture
Waste Reduction & Circular Food Systems
Vietnam

NGUYÊN KHÔI
CHỌN VỊ HẠNH PHÚC

Business Snapshot

Nguyen Khoi pioneers sustainable pig farming in Vietnam, integrating animal welfare, circular agriculture, and green innovation to redefine premium pork.

Website
https://nguyenkhoifarm.com/en/home/

Business Overview

Business Summary

Nguyen Khoi leads sustainable pig farming in Vietnam with a net-zero model integrating animal welfare, circular agriculture, and green innovation. Recognized by the World Bank and UNDP, we eliminate waste, boost food quality, and scale eco-friendly facilities, animal health, and feed efficiency ensuring Happy Pigs, Happy People, Happy Planet.

Product / Services

- Premium fresh pork products produced under a circular, animal-welfare-oriented farming system.
- Value-added pork products inspired by Asian and European culinary traditions, designed for quality, safety, and cultural relevance.
- Scalable circular farming model, monetized through farm development partnerships, licensing, and long-term expansion across Vietnam and ASEAN.

Achievements

- Built 90% referral-based customer acquisition and tenfold sales growth in five years, validating strong market fit.
- Featured in fine dining, supported by awards and global partners including the World Bank, GIZ, BambuUp, and Schoolab.

Operating Market(s)

- Pork products: Vietnam as the core market, with selective export to Singapore.
- Circular farming model: Vietnam, through local partnerships and model transfer.

Climate Impact

Vietnam's pig farming emits 22M tCO_2e annually, generating most livestock waste and wastewater. Our Circular Agriculture Model eliminates discharge by converting all waste into organic fertilizer and biogas, cutting methane and fossil fuel use. Recognized by the World Bank, it delivers scalable, zero-waste, nature-based pollution control for climate mitigation.

Contact



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PAMMÉ

Circular Economy & Waste Management
Recycling & upcycling Innovations
Philippines

pammé

Business Snapshot

PAMMÉ is a women-led circular fashion startup based in the Philippines, turning plastic waste into sustainable fashion accessories, handcrafted by Women Deprived of Liberty from Metro Manila Jails.

Website
https://thepamme.com/

Business Overview

Business Summary

PAMMÉ is a women-led circular fashion venture in the Philippines turning post-consumer plastic into premium accessories handcrafted by incarcerated women. Our closed-loop model diverts waste from landfills and waterways, eliminates virgin plastic use, and embeds marginalized groups into the value chain delivering measurable climate impact, social inclusion, and scalable market potential.

Product / Services

PAMMÉ transforms post-consumer plastic waste into premium fashion bags and accessories through circular design and community-based production. By integrating informal waste collectors and women deprived of liberty into its value chain, PAMMÉ delivers sustainable, ethically made fashion accessories that creates environmental and social impact.

Achievements

- PAMMÉ is an award-winning circular fashion brand recognized globally for innovation, creativity, and social impact. It earned top honors including the Study UK Alumni Culture & Creativity Award 2025, Chevening Alumni of the Year, and the Coca-Cola Foundation's Reimagine Recycling Grand Win. PAMMÉ has showcased internationally, been featured in Vogue Philippines, sold out its debut collection, and empowered women and waste collectors through inclusive livelihood programs.

Operating Market(s)

Philippines (Primary Market)
- Metro Manila: Pasig City, Quezon City, Manila
- Channels: artisanal fairs (ArteFino, MaArte), department stores (Kultura SM, SM Dept Store), corporate & institutional buyers, online sales

International
- United Kingdom and European Union (Sustainable Fashion trade shows)
- United States and East Asia (design- and sustainability-driven consumers)

Climate Impact

PAMMÉ tackles the plastic waste crisis in the Philippines' low-income urban communities through a circular, community-based model that turns discarded plastic into recycled beaded bags a first in Southeast Asia. Our THREADS and STITCH programs combine climate literacy, recycling skills, and social entrepreneurship, reducing emissions while creating inclusive green jobs for women and marginalized groups.

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QARBOTECH

Food & Agriculture
Precision Agriculture & Agritech
Malaysia

QARBOTECH
Harnessing light, enriching lives

Business Snapshot

Qarbotech is a climate-focused agritech startup developing breakthrough solutions to enhance photosynthesis and help farmers grow more with less.

Website
https://qarbotech.com/

Business Overview

Business Summary

Qarbotech is the climate-focused agritech startup behind QarboGrow, a nanotech spray that boosts photosynthesis for 20–30% higher yields, better quality, and greater plant resilience. Made from agricultural waste, it optimizes fertilizer use, lowers agricultural emissions, and supports sustainable farming, unlocking the crops' full potential to enhance food security.

Product / Services

QarboGrow is a nanocarbon photosynthesis enhancer produced from upcycled agricultural biomass. When applied to crops, it improves light absorption and increases the photosynthesis rate. This results in stronger plant growth, better quality food, and a reduced reliance on chemical fertilisers.

Achievements

- Achieved up to 30% yield increase in commercial trials and operates a 3,000 sq ft production facility producing 100,000L/month.
- Winner of the 2023 Climate Impact Innovations Challenge by Temasek Foundation
- Scaled the team from 15 to 30 within one year, strengthening technical, commercial, and operational capacity.

Operating Market(s)

Malaysia, Indonesia, Thailand, China, Australia. Pilots and trials ongoing in 20+ other countries.

Climate Impact

QarboGrow helps smallholders adapt to climate stress, lower emissions per kilogram food produced and offers an affordable, scalable solution for sustainable agriculture.

Contact



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REAL BEAN COFFEE

Food & Agriculture
Regenerative Agriculture
Vietnam

Business Snapshot

Real Bean Coffee is a women-led agritech startup in Vietnam advancing climate-smart, sustainable coffee production.

Website
https://www.realbeancoffee.com/

Business Overview

Business Summary

Real Bean Coffee, a women-led agritech in Vietnam, partners with 100+ households to implement agroforestry on 130 hectares, boosting income 10–20% and cutting emissions. Using solar/wind drying, cleaner roasting, and plastic-free packaging, we advance climate-smart coffee and aim to scale with local cooperatives.

Product / Services

Real Bean Coffee produces Fine Robusta specialty coffee through sustainable agroforestry and low-carbon processing. Products include roasted beans, ground coffee, drip bags, instant coffee, and gift sets, alongside B2B services such as OEM, private label, and export supply for global partners.

Achievements

- Achieved key milestones beyond revenue, including international awards, Specialty Fine Robusta certifications, and recognition as a UNDP- and USAID-supported social impact business.
- Expanded exports to four countries, built partnerships with 100+ farming households and women-led cooperatives, and gained regional recognition through fellowships and export programs

Operating Market(s)

Vietnam (domestic), Japan, South Korea, United States, ASEAN markets (Thailand, Malaysia).

Climate Impact

Real Bean Coffee combats high-emission, chemically intensive coffee farming in Vietnam's Central Highlands through agroforestry, renewable energy processing, eco-packaging, and sustainable farming tech transfer. This model regenerates land, cuts emissions, improves traceability, and raises incomes for smallholder farmers, especially women and ethnic minorities while elevating Vietnamese Fine Robusta's market value.

Contact



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SAI GON KIM HONG

Food & Agriculture
Precision Agriculture & Agritech
Vietnam

Business Snapshot

Sai Gon Kim Hong is a pioneering company dedicated to sustainable agri-machinery solution for rice farming in Vietnam.

Website
http://www.youtube.com/@saigonkimhong

Business Overview

Business Summary

Sai Gon Kim Hong develops sustainable agri-machinery for rice farming in Vietnam. Our cluster seeding machine with fertilizer-burying capability cuts seed use, lowers fertilizer demand, reduces costs, and slashes GHG emissions. We empower farmers with climate-smart technology for a greener, more resilient agricultural future.

Product / Services

We design and manufacture cluster seeding machines with integrated deep fertilizer placement, along with supporting equipment for rice farming. Our services include technical consulting, machine installation, farmer training, maintenance, and after-sales support to ensure efficient, climate-smart agricultural adoption.

Achievements

- Customer acquisition, expanding the adoption and scaling our operations.
- Develop complementary products and services, continuously enhancing our integrated climate solution offering

Operating Market(s)

Vietnam

Climate Impact

The company's mechanized rice farming solution cuts seed use from 120kg to 70kg/ha and reduces fertilizer loss by 30%, lowering N_2O, CH_4, and runoff pollution. Applied across 1.9M ha in the Mekong Delta, it boosts farmer profits through input and labor savings while delivering large-scale, climate-smart emission reductions.

Contact



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SUDRAIN CO.

Water & Ocean

Flood Management & Climate-resilient Water Infrastructure

Cambodia

Business Snapshot

SUDrain is a climate-focused social enterprise advancing nature-based sanitation solutions for vulnerable, off-grid communities.

Website

https://sudrain.com | LinkedIn: https://www.linkedin.com/company/sudrainkh/posts/?feedView=all

Business Overview

Business Summary

SUDrain is a climate-focused social enterprise providing off-grid communities with coconut fiber–based sewage treatment systems. Our low-cost, low-energy solution works without electricity or chemicals, is flood- and drought-resilient, and cuts methane and nitrous oxide emissions—while preventing pollution, enabling water reuse, and fostering inclusive, community-led implementation.

Product / Services

SUDrain provides eco-friendly wastewater treatment products featuring innovative coconut-fiber biofilters that remove 90% of pollutants. Our services include customized system design, professional installation, and water quality analysis. We empower households, resorts, and communities with affordable, circular-economy solutions to manage wastewater sustainably while protecting local ecosystems and public health.

Achievements

- Product Market Fit
- Customer Acquisition & Project Completion
- Awards and Recognitions from Local and Abroad

Operating Market(s)

SUDrain serves diverse sectors requiring decentralized wastewater solutionss:
- Construction Buidling Residential & Urban Development: households, real estate developments, and communities.
- Tourism & Hospitality: eco-resorts, hotels, and villas, including projects in Kampot.
- SMEs & Industrial: food processing, agriculture, livestock farming, and small-scale manufacturing.
- Non-Profit & Development & Government: partnerships with NGOs, e.g., WaterAid, Plan International, Oxfam, for humanitarian sanitation projects, floating schools and communities

Climate Impact

SUDrain provides a modular, low-cost, coconut fiber–based wastewater treatment system for off-grid, climate-vulnerable communities. Operating without electricity or chemicals, it withstands floods and droughts while reducing GHG emissions and pollution. By turning agricultural waste into a filtration resource, SUDrain delivers sustainable, inclusive sanitation for households, schools, and health centers..

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TAMBANOKANO AQUA FARM

Food & Agriculture
Sustainable Fisheries & Aquaculture
Philippines

TAMBANOKANO
AQUA FARM

Business Snapshot

Tambanokano Aqua Farm empowers coastal communities through a sustainable "Crab Condominium" system.

Website
https://www.facebook.com/itsaTAFworld/

Business Overview

Business Summary

Tambanokano Aqua Farm (TAF) develops modular Recirculating Aquaculture Systems (RAS) that grow premium mud crabs in 15–20 days. By integrating circular plastic reuse, climate-resilient design, and structured buy-back systems, TAF creates predictable livelihood for fisherfolk and solo parents while supplying reliable, high-quality seafood to the market.

Product / Services

- Crab Condominium (Modular RAS farming system)
- Live Premium Mud Crabs
- Cooked Crabs
- Crab Paste (value-added processing)

Achievements

- Royal Academy of Engineering – Leaders in Innovation Fellow (2025)
- DICT Startup Grant Fund Cohort 2 Grantee (2025)
- Villgro Climate Catalyst Grand Winner (2025)

Operating Market(s)

Philippines (Pangasinan, Bicol, Malabon, Benguet)

Climate Impact

Tambanokano has diverted 1,230 kg of plastic waste into modular farming infrastructure. The system shortens grow-out cycles to 15–20 days (vs 1–2 months traditional), reducing wild harvest dependency and increasing yield by 30–40%, contributing to climate-resilient aquaculture and lower environmental pressure.

Contact



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TRI CYCLE

Circular Economy & Waste Management
Recycling & Upcycling Innovations
Indonesia

Business Snapshot

TRI Cycle is a circular textile solutions social enterprise building community-powered infrastructure to reduce Southeast Asia's growing textile waste crisis.

Website
https://tricycle.co.id/

Business Overview

Business Summary

TRI Cycle is a climate-first social enterprise turning Southeast Asia's textile waste into circular products and materials, preventing landfill and incineration. We offer waste management services to brands and individuals, cutting methane emissions and virgin textile production's carbon cost advancing climate justice, waste reduction, and social inclusion.

Product / Services

- Upcycled textile products such as; fashion accessories (bandana, scarf, tote bag, scrunchies), and home interior accessories (runners, mats, coasters, cases)
- Advanced upcycled textile products such as; building materials and furnitures

Achievements

- Partnered with women tailors and young illustrators in Indonesia to create high-value recycled textile products, diverting 76,000m of fabric waste, managing 12,300 garments, and planting 5,600 trees. - 2,100 people reached through education and new LDPE-based products launched.

Operating Market(s)

Indonesia

Climate Impact

TRI Cycle addresses this systemic gap by creating decentralized circular textile hubs that divert discarded fabrics from landfills and incineration into productive use. By integrating waste collection, upcycling, and community-based production, TRI Cycle delivers measurable climate impact while creating income opportunities for women artisans and informal waste workers. We provide fashion brands, manufacturers, hotels, and households with a practical, traceable, and socially inclusive pathway to manage textile waste responsibly and turning environmental liability into circular value.

Contact



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VIGINSENG CORPORATION

Adaptation & Resilience
Ecosystem Restoration & Nature-based Solutions
Vietnam

viginseng

Business Snapshot

Viginseng is a women-led Vietnamese biotech transforming over-harvested native ginseng into clean, plant-based care products, using early consumer sales to replace imported chemicals and build a climate-resilient local supply chain.

Website
http://www.viginseng.vn/

Business Overview

Business Summary

Vietnam has rich biodiversity, yet 74% of natural extracts are imported and 90% of personal care products rely on chemicals. Viginseng bridges this gap through a staged vertical model. We create high-quality, plant-based personal care and supply clean extracts to local brands. We then use this downstream revenue to fund climate-resilient farming upstream. In three years, we have launched 15 products, developed 6 extraction protocols, and built a network of 100 women resellers. By 2030, we aim to reach $6 million in revenue, export our extracts globally, scale our local network to 400+ women, and provide stable livelihoods for 100+ ethnic minority households

Product / Services

Viginseng provides science-backed natural personal care (hair, skin, body) replacing petroleum-based and chemical-heavy products. Our B2B services include supplying traceable botanical extracts, quality seedlings, and formulation R&D. This integrated "forest-to-face" model utilizes green extraction to ensure efficacy while restoring forest ecosystems

Achievements

- Vietnam Forest Ecopreneurs Recognition: Selected among the Top 25 enterprises in the Vietnam Forest Ecopreneurs incubation program and awarded 3rd Prize at Demo Day.
- She Wins Climate SEA: Recognized as one of the Top 26 startups in the She Wins Climate Southeast Asia program.
- Media Coverage: Featured in VnExpress and Tuoi Tre, two of Vietnam's leading national newspapers.

Operating Market(s)

- Domestic B2C: Natural personal care and skincare products nationwide in Vietnam.
- Domestic B2B: Traceable, high-purity botanical extracts and R&D formulation services for Vietnamese local brands.
- Agriculture & Seedlings: Vietnam-focused, targeting Lam Dong and Khanh Hoa provinces.
- Future International: Strategic roadmap includes an ASEAN export pilot starting after 2029.

Climate Impact

Viginseng replaces petroleum-based personal care with natural alternatives, reducing chemical pollution. Green extraction technology cuts energy use and CO_2 footprints. Precision agritech reduces water consumption while upcycling agricultural coconut waste into sustainable grow-media.

Contact



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XSOLAR ENERGY

Renewable Energy & Generation
Solar Power
Vietnam

Business Snapshot

XSolar is a climate-tech startup that empowers businesses—especially SMEs—to transition to clean, efficient energy through solar leasing and AI-powered energy management.

Website
https://www.linkedin.com/company/xsolarenergy/

Business Overview

Business Summary

XSolar helps SMEs transition to clean energy through zero-CAPEX solar leasing and EnergyX, an AI-powered platform for optimizing solar use and efficiency. Combining rooftop systems with real-time monitoring, we cut fossil fuel reliance, lower energy waste, and enable scalable decarbonization across urban and semi-urban businesses.

Product / Services

XSolar invests in, installs, and operates rooftop solar systems, with full O&M and warranty, enabled by an IoT energy platform to monitor performance and drive ongoing energy efficiency for businesses.

Achievements

- Completed MVP of the EnergyX platform and secured a 3MW rooftop solar project pipeline.
- Built a strong client base across energy-intensive sectors with operations in HCMC and Hanoi.
- Assembled a 21-member expert team and received recognition from AIS4EE and UNDP, positioning the company for scalable clean energy growth.

Operating Market(s)

Vietnam

Climate Impact

XSolar targets Vietnam's under-served SME rooftop solar market 95% of national potential through zero-CAPEX solar leasing bundled with EnergyX, our AI-powered energy management platform. This removes cost and complexity barriers, enabling real-time monitoring, predictive maintenance, and scalable carbon reductions, addressing the country's growing energy demand and fossil fuel reliance.

Contact



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IFC International Finance Corporation WORLD BANK GROUP

shewins CLIMATE

Deal Book

IN PARTNERSHIP WITH

Australian Aid

Canada

Government of Ireland International Development Programme

we-fi WOMEN ENTREPRENEURS FINANCE INITIATIVE

UMBRELLA FACILITY FOR GENDER EQUALITY ADMINISTERED BY WORLD BANK GROUP