regenovation

Turning agricultural waste
into regenerative wealth

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the global *challenge*

- **Global overheating driving extreme weather events & life-threatening emergencies**

- **CO_2e emissions from agriculture is a huge contributor to climate change:**
  - Agricultural biomass waste is the world's third largest methane source
  - Methane generates 40% of global greenhouse gases
  - 1.5 billion tons of biomass burned or dumped annually emits massive amounts of CO_2e

- **Water scarcity and soil degradation threaten food security:**
  - One-fifth of the world's population faces water scarcity
  - 75% of agricultural land is already degraded, with predictions that it will approach 90% by 2050

Sources: Climate Watch (2024) | UN Convention to Combat Desertification

the regen*ovation vision*

- to unite nature, technology, and regenerative economies in the mitigation of planetary overheating, advancing ecological *and* human resilience
- to seed the foundations of locally rooted, regenerative economies in place worldwide within the next decade
- to empower a global network of innovators using regenerative agriculture to grow thriving, resilient local economies

the market *opportunity*

- The current centralized agricultural waste-to-wealth models (using waste to generate water, energy and fertilizer) are not well adapted to a climate emergency world
- The need for modular micro-factories to turn agricultural waste into regenerative wealth at scale is rapidly growing
- Demand is growing for resilience tech & biochar, alongside a growing carbon credits market
- Our distributed approach to unevenly distributed biomass waste is economically and environmentally superior
- Our technology enhances anaerobic digester energy production by 40–140%

the regen*ovation solution*

By 2035:

- Deploy 5,000-10,000+ regenerative micro-factories
- Transform agricultural waste into ethanol, water, and soil-rebuilding biochar in thousands of communities
- Enable circular, local economies in climate-vulnerable regions
- Cut 30–100 Mt CO2e and restore ecosystems globally

*Source: Climate Watch (2024)

business *model*

Regen*ovation* delivers modular B2B micro-factories that transform agricultural and woody biomass waste into clean water, ethanol, energy, and biochar—on site and at scale.

Our flagship products, the **EcoStill** and **WEDEW**, are turnkey units tailored to specific agroecological conditions and deployed directly to large enterprise clients worldwide.

Built through contract manufacturing and commissioned by field engineers, each micro-factory slashes emissions, cuts costs, and generates valuable co-products.

With paybacks in 2–5 years and beachhead markets in cannabis, farming, and disaster resilience, Regen*ovation* offers a profitable and climate-smart path to industrial decarbonization.

traction: *current progress, customers, revenue, partnerships*

- Experienced leadership team in place
- $430K pre-seed funding received/pledged through 2025
- Patents pending for EcoStill & WEDEW complete by end of 2025
- Joint venture with Caribbean New Energy to deploy first biochar/anaerobic digester in Barbados by Q1 2026
- Exploring partnership with GRAIN Ecosystem & others to facilitate financing for biochar microfactories
- Three potential European clients for biochar in the queue

traction: our first *regenerative technologies*

EcoStill 35 Microfactory

Ethanol (4000 L/month)

Heat (9,000 kWh/month)

Co2 (8,000 kg/month)

Fertilizer (4.5 hectares/month)

Biomass Waste (28 tons/month)

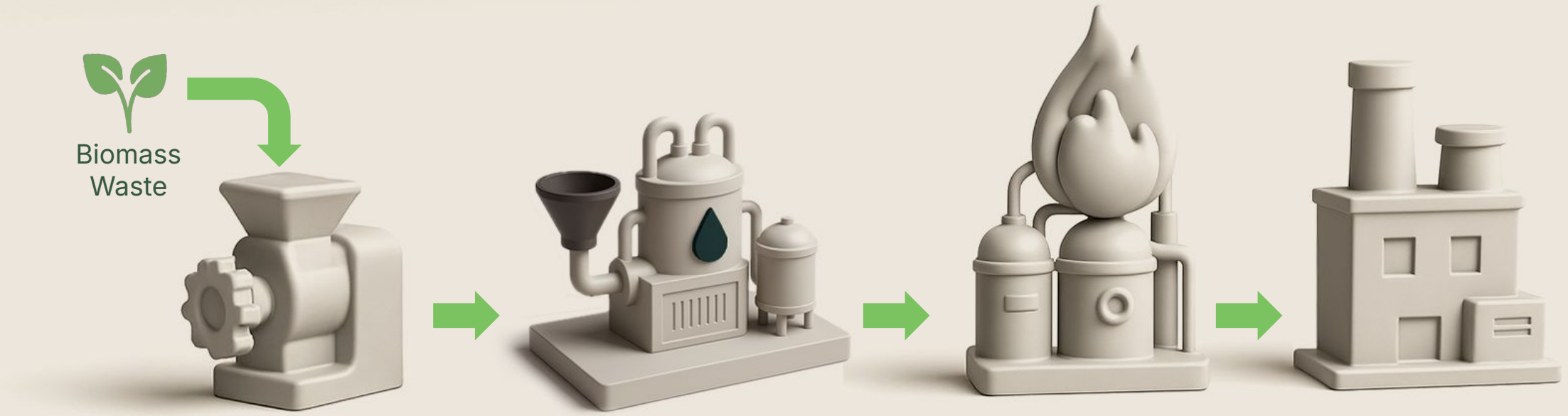
Converts cellulosic biomass waste into ethanol, plant growth accelerators & thermal energy

traction: our first *regenerative technologies*

WEDEW

(Wood-to-Energy Deployable Emergency Water): Extracts clean water & power from woody waste while producing high quality biochar. Won the $1.5M Water Abundance XPRIZE

traction: our first *regenerative technologies*



The WeDew System

meet *janus*

AI superintelligence powering regenerative technologies

janus: *dynamic integration of 5 core flows for systemic impact*

1. farm*flow*

Maps soil fertility, water & farm inputs to design optimal circular systems.

2. microfactory*flow*

24/7 IoT monitoring tracks system performance & impacts, feeding data to customer service team.

3. market*flow*

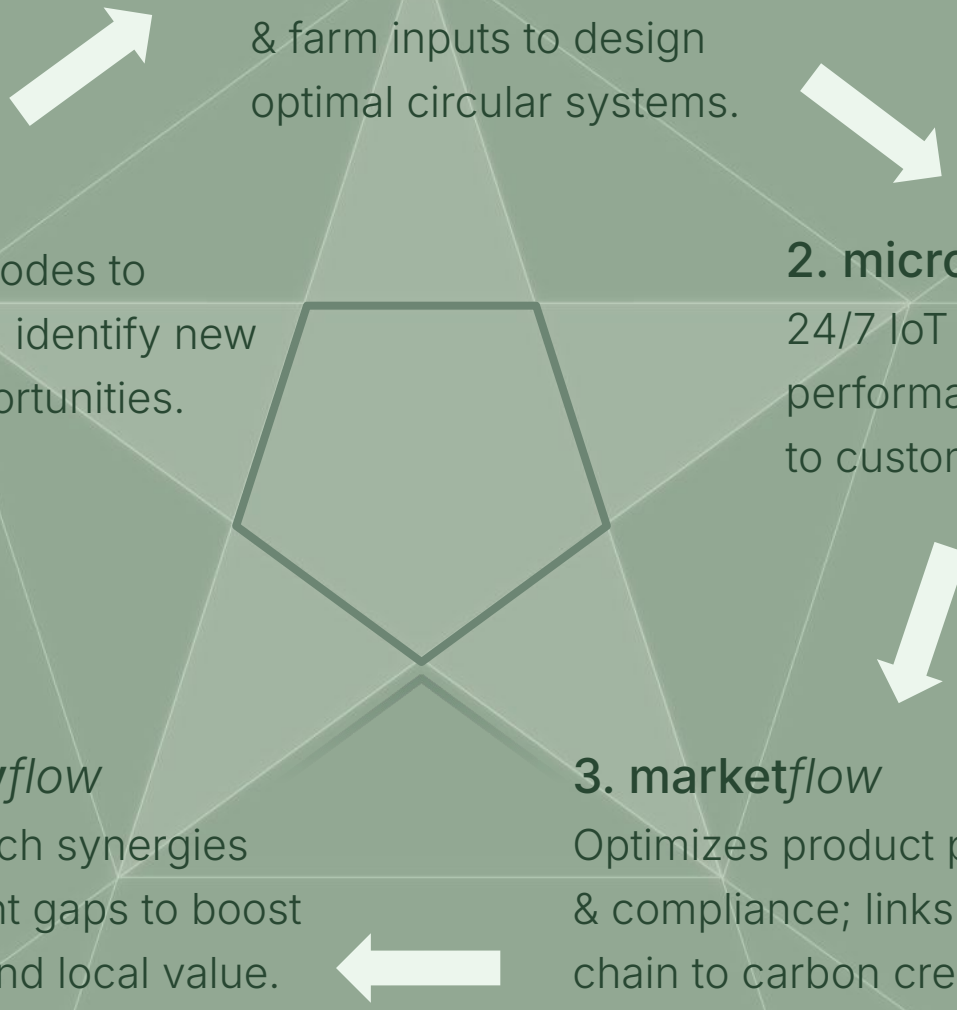
Optimizes product placement & compliance; links supply chain to carbon credit tracking.

4. synergy*flow*

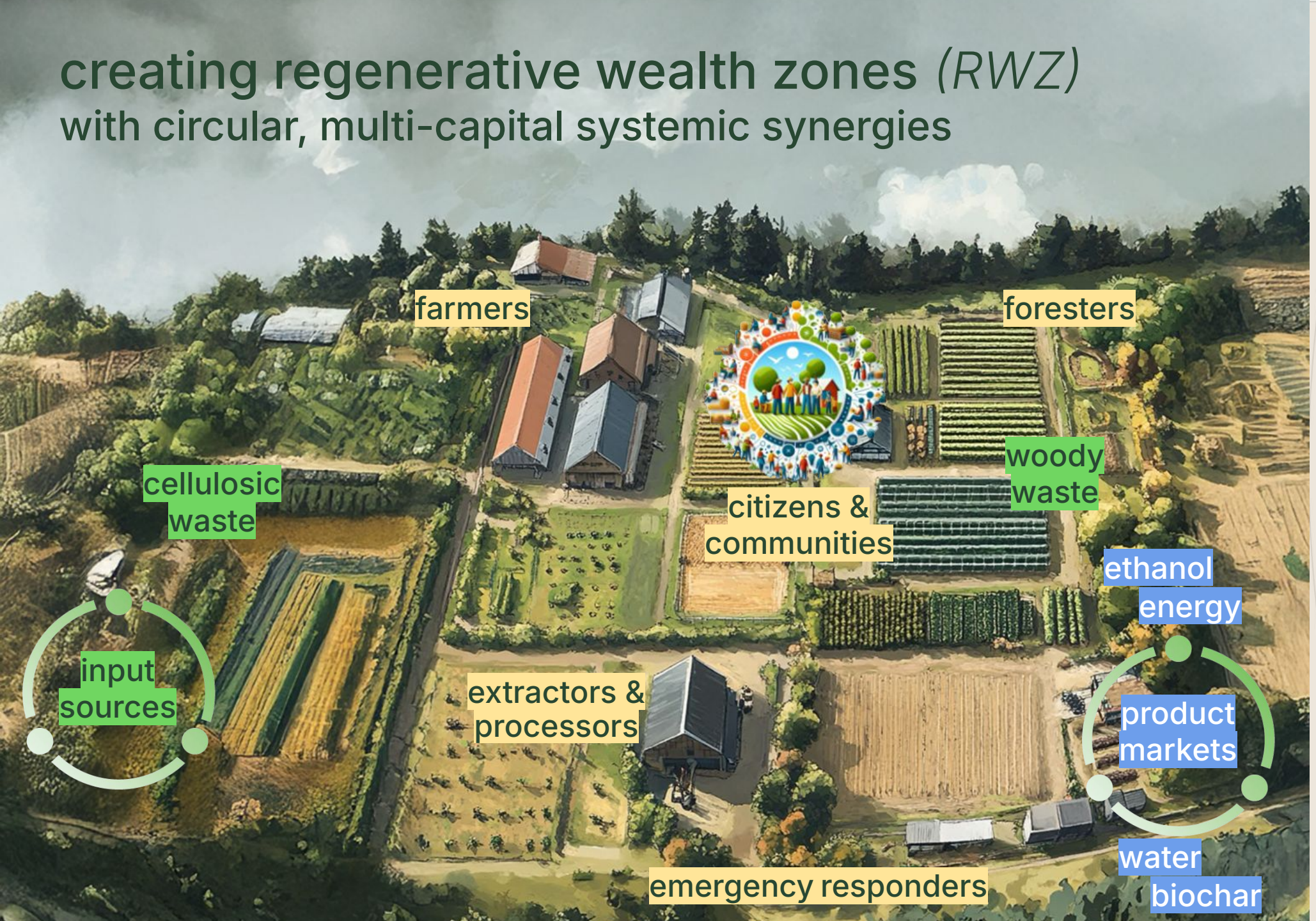
Identifies tech synergies & investment gaps to boost circularity and local value.

5. system*flow*

Learns from all nodes to scale impact and identify new deployment opportunities.



creating regenerative wealth zones *(RWZ)*
with circular, multi-capital systemic synergies



JANUS farm*flow* diagnostic tool will enable us to:

- identify key stakeholders for project design input
- map system natural resource endowments, inputs & flows
- estimate outputs and identify off-farm markets for income generation

JANUS's additional functionalities will support clients by continually improving technology performance, circular flows, & income potential

Key:

- ❑ inputs
- ❑ technology
- ❑ products
- ❑ energy

competitive *advantage:*

a distributed and circular approach to waste-to-wealth manufacturing across energy, water and food systems

- Regen*ovation's* micro-factory model is a game-changer in distributed sustainability.
- Regen*ovation* is price competitive across waste-to-energy/ ethanol production, water generation, and circular economy sectors.
- Competitors require large infrastructure, while EcoStill & WEDEW provide modular solutions.
- Regen*ovation* can scale faster than industrial competitors, targeting disaster relief, off-grid, and regenerative agriculture.

the *people*
driving
regen*ovation*

regen*ovation* leadership *team*

Dr. Robin Lincoln Wood

- CEO & Co-founder of Regenovation Ltd., with a background as a corporate lawyer, Citicorp banker, and hi-tech entrepreneur.
- Advised 50 of the Global 1000, the World Bank, and 10 Downing Street on strategy and innovation.
- Environmental and social justice activist with 50+ years of global experience across 38 countries.
- Co-founded Ernst & Young's E-Business Incubator; Fellow at London Business School.
- Author of eight award-winning books on regenerative futures; founder of Renaissance2, Thriveability Foundation & Balancer Ltd.

Anne Starks Acosta PhDc

- Co-founder of Regenovation Ltd. & VP of Partnerships
- 35-year career in sustainable agricultural development in the Global South & sustainable business practices in U.S. SMEs.
- Led fundraising for CIMMYT (13 years) and communications for Forum for Agricultural Research in Africa.
- Directed major consulting projects, including strategic planning for Sustainable Seattle and Mexico's top agricultural university.
- Former MBA faculty at University of the Americas (18 years), and Sustainable Business lead at Antioch University Seattle.

Eli Whipple

- CTO of Regenovation Ltd. and Founder of New Power Industry (NPI), a venture studio for regenerative manufacturing.
- Pioneer of distributed, collaborative manufacturing systems that reduce GHG emissions.
- Developed patented technologies like the Ecodistillery, WEDEW, and BetterStove.
- Focuses on local, small-scale solutions for producing energy, food, and water sustainably.
- X-PRIZE co-winner for WEDEW & recipient of Gold Standard carbon credit accreditation for the BetterStove.

regenovation core team

Anna Mantova
VP–EMEA Business Dev

- Business strategist and systems thinker with 30+ years of global experience across telecom, commodities, wellness, cannabis, and AI.
- Held roles at Cable & Wireless, CNN International, Louis Dreyfus, and Edison (EDF) in trading, operations, and business development.
- Advises companies and investors on emerging markets, venture creation, and strategic repositioning.
- Focused on AI for decentralization and data equity; passionate about systemic innovation and neurodivergent inclusion.

Rene Martinez
VP–US Business Dev (EcoStill)

- CEO and Founder of Radium Technologies and Endo Labs.
- Extensive international expertise spanning 10+ years in cannabis / hemp industry cultivation, systems design, business development, manufacturing, and process engineering.
- Successfully led capital raises and startup phases, securing funding in excess of $12 million for cannabis cultivation and manufacturing ventures.
- Provided strategic consulting and collaborated with leading industry brands such as Bloom, Beaker & Wrench, and Leef.

Gregory Lincoln Wood
VP–Sales & Marketing

- Founder of B2B Relationship Management
- Experienced in developing, and then implementing, sales and marketing strategies over the past 35 years across large, global organizations down to co-founding a startup with 2 colleagues and achieving a successful trade sale 13 years later.
- Turned around a mature, family owned business (3rd generation) experiencing rapidly declining revenues and profits that was using antiquated sales and pricing models and old technology. Halted sales decline within 14 months and doubled turnover in the next 5 years.

regenovation advisors

David Hertz

- Award-winning architect and pioneer in sustainable/ regenerative architecture, innovative materials, and resilient systems. Leader in green building design for over 40 years. Winner of the 2022 Smithsonian Cooper Hewitt National Design Award for Climate Action.
- Co-founder of the Resilience Fund for Advancing Climate Technologies & founder of The Resilience Foundation, nonprofits that combat the world's greatest challenges.
- 2018 co-winner of the $1.5M Water Abundance XPRIZE for WEDEW technology.

Victoria Kamsler (PhD)

- Sustainability strategist and board advisor with expertise in regenerative agriculture, carbon sequestration, and impact innovation.
- Ambassador for TBLI Group and President of Château La Tour Apollinaire, an eco-conscious hospitality venture in France.
- Led initiatives with Katerva Awards, Biochar Offsets Group, and advised XPRIZE, SXSW Eco, and Oxford University programs.
- Pioneered environmental ethics education at Princeton; advances sustainability through governance, partnerships, and strategic innovation.

Tom Miles

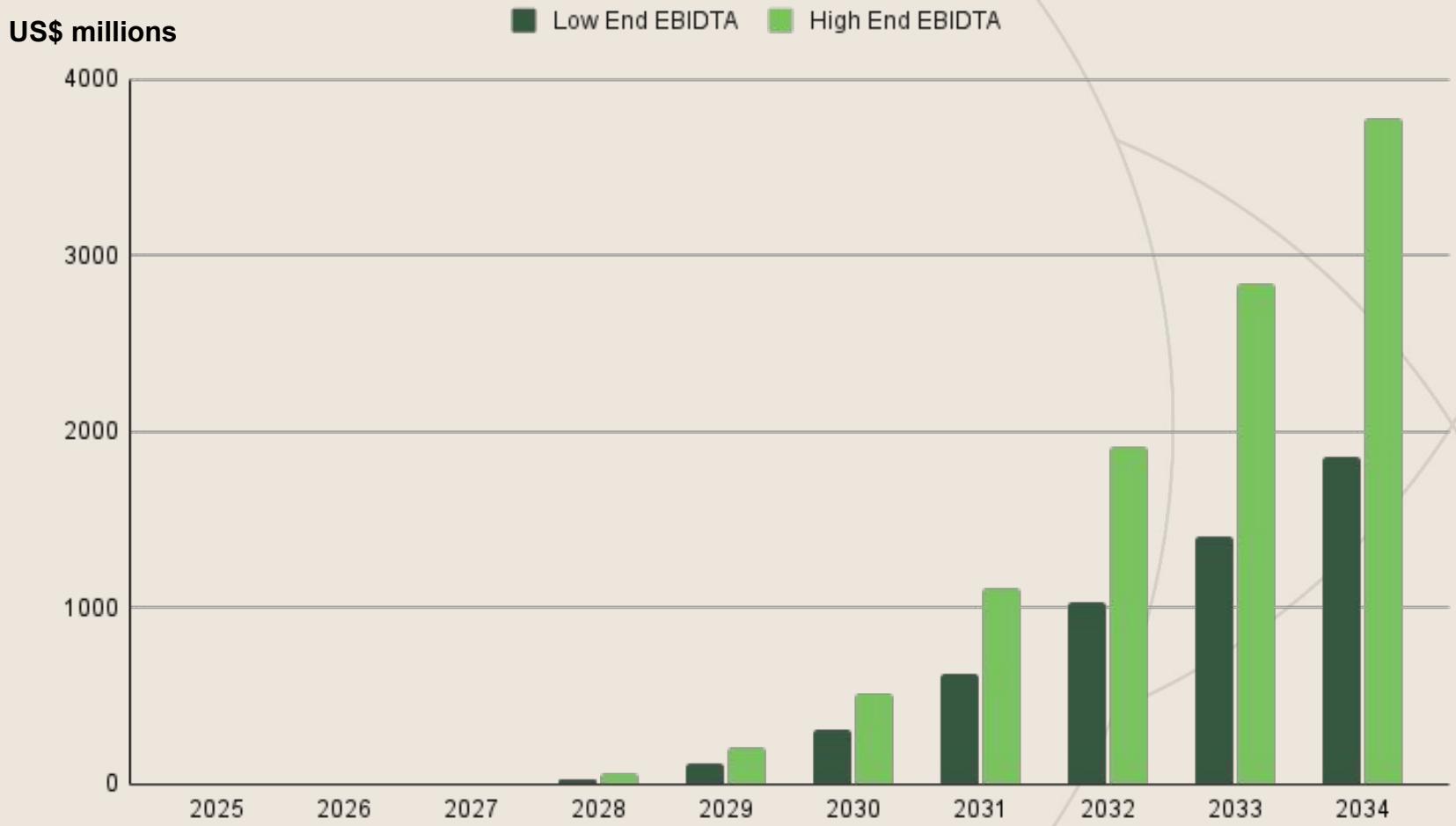
- President of T.R. Miles, Technical Consultants (Portland, Oregon), a biomass energy consulting firm that designs, develops, installs, and commissions systems for processing wood, agricultural, and urban residues to feed, fiber, and energy products.
- Past chairman of the International Biochar Initiative and Executive Director of the US Biochar Initiative; has hosted online discussions on biomass energy and biochar since 1994.

Richard “Rick” Sellers

- Senior energy professional with over 40 years experience in renewable and clean energy.
- Former Head of the New and Renewable Energy Unit at the International Energy Agency (IEA) in Paris, where he developed strategies to accelerate global clean energy markets.
- Served as Secretary of the G8 Renewable Energy Task Force and led the landmark 2004 publication *RENEWABLE ENERGY: Market & Policy Trends in IEA Countries.*
- Owner of Circular Fuels, LLC, developing clean energy projects in the US and Caribbean, advising on sustainability, energy investments, and circular economy solutions.

regen*ovation*
financial *projections*
2025–2034

regen*ovation EBIDTA* **10-year** *low & high-end scenarios (US $M)*



Low End EBIDTA	-1.0	-5.6	-1.5	26	112	303	620	1,029	1,397	1,849
High End EBIDTA	-1.0	-5.6	-1.5	57	206	510	1,110	1,914	2,835	3,777

financial *model*

	Units	Revenue	Profit
Low End Scenario (10-year total)			
EcoStill	2110	$1.6 B	$678 M
WEDEW	2436	$8.6 B	$4.8 B
Regenovation total	4546	$10.2 B	$5.3 B

High End Scenario (10-year total)			
EcoStill	4710	$3.30 B	$1.27 B
WEDEW	4836	$16.59 B	$10.56 B
Regenovation total	9546	$19.89 B	$10.40 B

- Revenue from sales, biochar, carbon credits, and licensing
- 2–5 year payback time per client site

environmental *impact*

	EcoStill	WEDEW	Total
Low-end scenario units produced:	2110	2436	4546
GHG reductions (Mt C02e emissions)	~5.4 Mt	~30 Mt	~35.5 Mt
Ethanol production	~100 Ml		
Water generation		~70 Gl	
Increased soil fertility	↑ soil fertility 1.3-5 times thru soil amendments (ES) & biochar (WD)		
High-end scenario units produced:	4710	4836	9546
GHG reductions (Mt C02e emissions)	~11.1 Mt	~100 Mt	~111 Mt
Ethanol production	~493 Ml		
Water generation		~159 Gl	
Increased soil fertility	↑ soil fertility up to tenfold (>8 Mt WEDEW biochar production)		

the *ask*

- Raising $10M in equity capital (2025–2026)
- $4.275M in presales of carbon credits (2025–2026)
- Use of funds:
  - Technology development from prototype to turnkey
  - Pilot deployments
  - Manufacturing
  - Implement go-to-market strategy

regen*ovation*

Partner with us to build *the regenerative economy!*

appendices

competitive *advantage*

regen*ovation* is price competitive across ethanol, water treatment, waste-to-energy, and circular economy sectors.

EcoStill *pricing*

- EcoStill's cost per liter is competitive with industrial ethanol, but its decentralized model removes transportation costs. Ecostill ethanol is also much purer than competitors.
- Competes by offering ethanol at farm/extractor level, avoiding expensive centralized refineries.
- Best suited for high-cost waste industries (e.g. sugarcane, cannabis, hemp, food waste).

WEDEW *pricing*

- Lowest cost per liter of water produced compared to solar and desalination, by an order of magnitude.
- More scalable than large desalination plants while providing off-grid energy and biochar.
- Competitive for disaster relief, agriculture, and remote communities.

competitive *advantage — sector details*

bio*ethanol*

- Ecostill works with most biomass waste: unlike corn or wood-based biofuels, EcoStill can use sugarcane, hemp, cannabis, food waste and other cellulosic waste.
- Microfactory model: EcoStill doesn't require a massive, capital intensive biorefinery.
- Integrates with farms & factories: Produces ethanol/solvent, fertilizer & CO2 for greenhouse enrichment.

water treatment *& off-grid solutions*

- WEDEW competes against desalination, water filtration, and atmospheric water generation companies. Works in extreme off-grid conditions: unlike desalination, no need for grid or ocean water.
- Produces both water and energy: Unlike atmospheric water generators (AWGs), WEDEW creates power + water and works anywhere woody waste is available.
- Faster deployment & mobility: Fits in a shipping container for disaster relief & rural areas.

waste*-to-energy*

- Large players with $500M – $1BN centralized facilities: linear waste to energy only
- WEDEW units are distributed and cost between $2.3M to $5M using a circular model producing valuable water, biochar and energy. Transportable and scalable. CAPEX and OPEX thrifty.

go-to-market *high level strategy*
EcoStill

target *markets:* America, Europe/Middle East/Africa (EMEA)

- California cannabis extractors & vertically integrated players are Ecostill beach head, followed by six other US states, then nutraceutical, medical & pharmaceutical markets worldwide.

value *proposition:*

- Net annual savings of $360k+ for target market clients with 3–5 year payback for total cost of micro-factory. Zero carbon ethanol/energy, plus avoidance of methane emissions.

messaging *& positioning:*

- A unique and profitable way to eliminate cellulosic biomass waste and CO2e emissions packaged in modular, portable units that go where the waste is, eliminating transport costs.

go-to-market *high level strategy*
WEDEW

target *markets:* Americas & EMEA

- Large farms/extractors/processors of woody waste are WEDEW beach head, followed by NGOs/disaster relief agencies in North and Latin America, Caribbean, and small island developing states.

value *proposition:*

- Produces 48k liters of zero carbon potable water daily for $0.02/L, from 1 ton/hr of woody waste, plus high-quality biochar & energy. With sales of biochar and carbon credits, payback is 2–4 yrs.

messaging *& positioning:*

- A cost-effective provider of zero-carbon drinking water, biochar, and energy in modular, portable units serving as resilience hubs for climate-challenged communities and organizations

go-to-market *high level strategy*

distribution *channels:*

- The turnkey versions of the Ecostill and WEDEW will be delivered directly to customer sites from our contract manufacturing partners and assembled and commissioned on site by our field engineers.
- Our modular manufacturing approach enables us to tailor each micro-factory configuration to specific agroecological contexts covering a wide variety of biomass types, material flow rates and differential output requirements for water, biochar, ethanol, & energy.
- We are a B2B company and will be working mainly with large clients whose orders span from several to hundreds of units.

go-to-market *high level strategy*

marketing *& sales approach:*

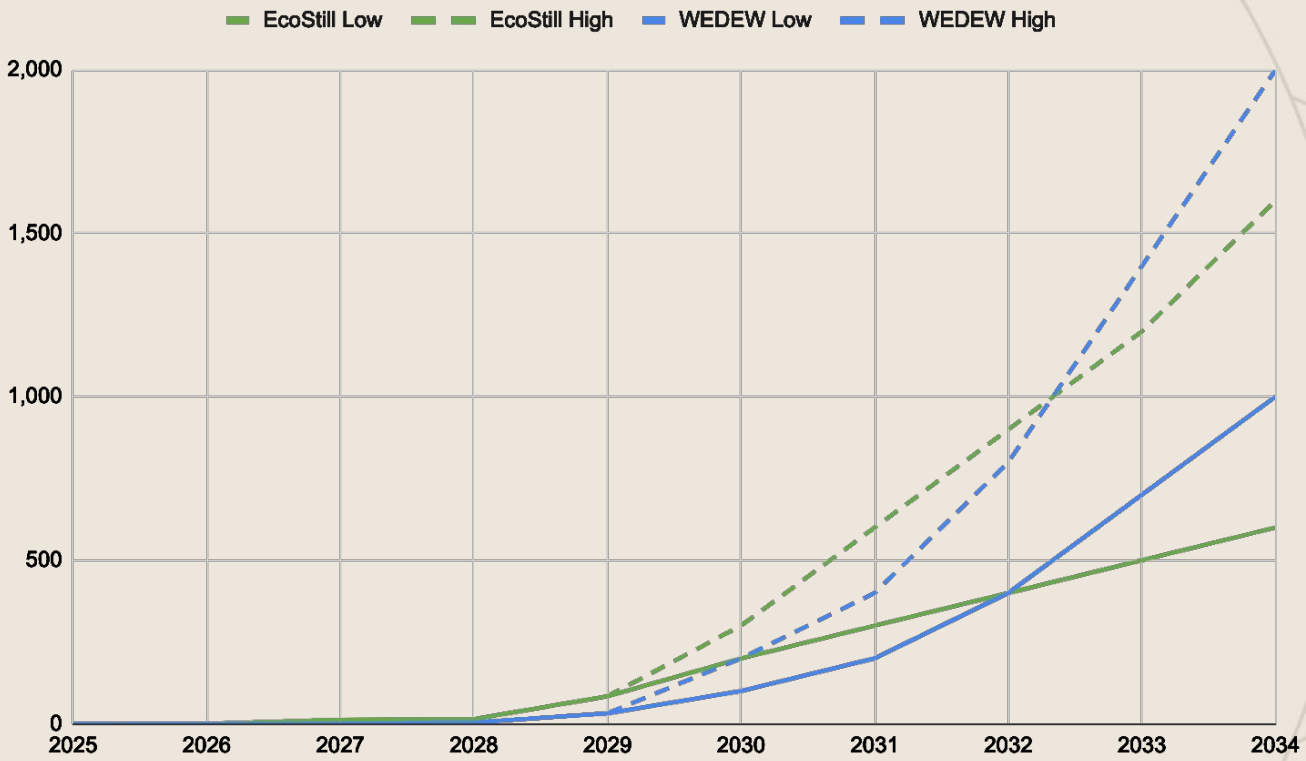
- Our Alpha and Beta Ecostill and WEDEW prototypes will be tested at early adopter sites that also act as showcases for the value-add of our micro-factories, both in the Americas and EMEA.
- Our market researchers and sales engineers will be using our JANUS system and its component platforms to identify and connect with high value prospects and arrange field visits to diagnose and propose an appropriate mix of our micro-factories and market connections.

pricing *strategy:*

- Our mid-range Ecostill35 sells for $900k
- Our mid-range WEDEW sells for $2.3m
- Smaller models are proportionally less and larger models more expensive depending upon the combination of modules and extras such as zero carbon generators, batteries, solar panels and communication hubs.

regen*ovation* **10-year** *low & high-end scenarios:*

- ecostill & wedew units sold 2025–2034 (low & high end projections) — units



EcoStill Low	0	0	12	14	84	200	300	400	500	600
EcoStill High	0	0	12	14	84	300	600	900	1,200	1,600
WEDEW Low	0	0	0	4	32	100	200	400	700	1,000
WEDEW High	0	0	0	4	32	200	400	800	1,400	2,000