PLUG AND PLAY

SV SUMMIT

SUSTAINABILITY EXPO

#PNPTCSiliconValley

Join us at **pnptc.com**

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OPENING REMARKS

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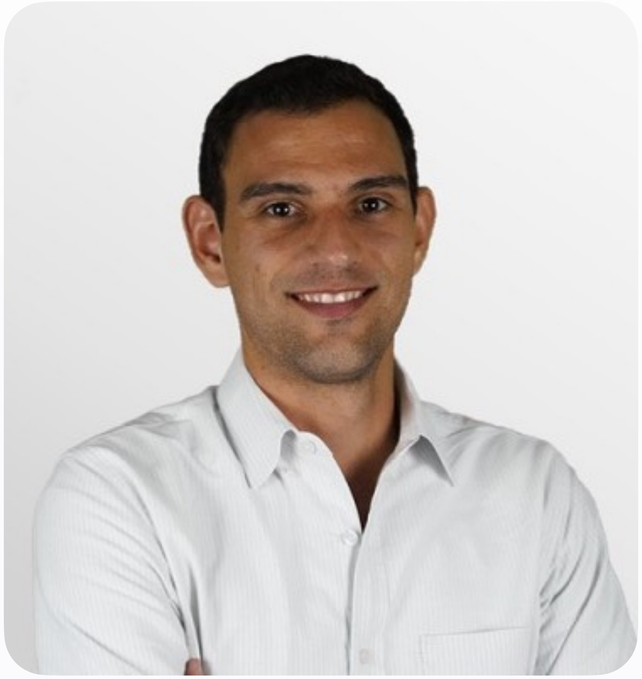


Opening Remarks

Matthew Claxton

Partner, Sustainability

Plug and Play

#PNPTCSiliconValley

Join us at **pnptc.com**

PLUG AND PLAY

Sustainability Program

Overview

Matthew Claxton

Partner - Sustainability

mclaxton@pnptc.com

Plug and Play: The World's Largest Innovation Platform

100K+ STARTUP ECOSYSTEM

2000+ PORTFOLIO

25+ INDUSTRY VERTICALS

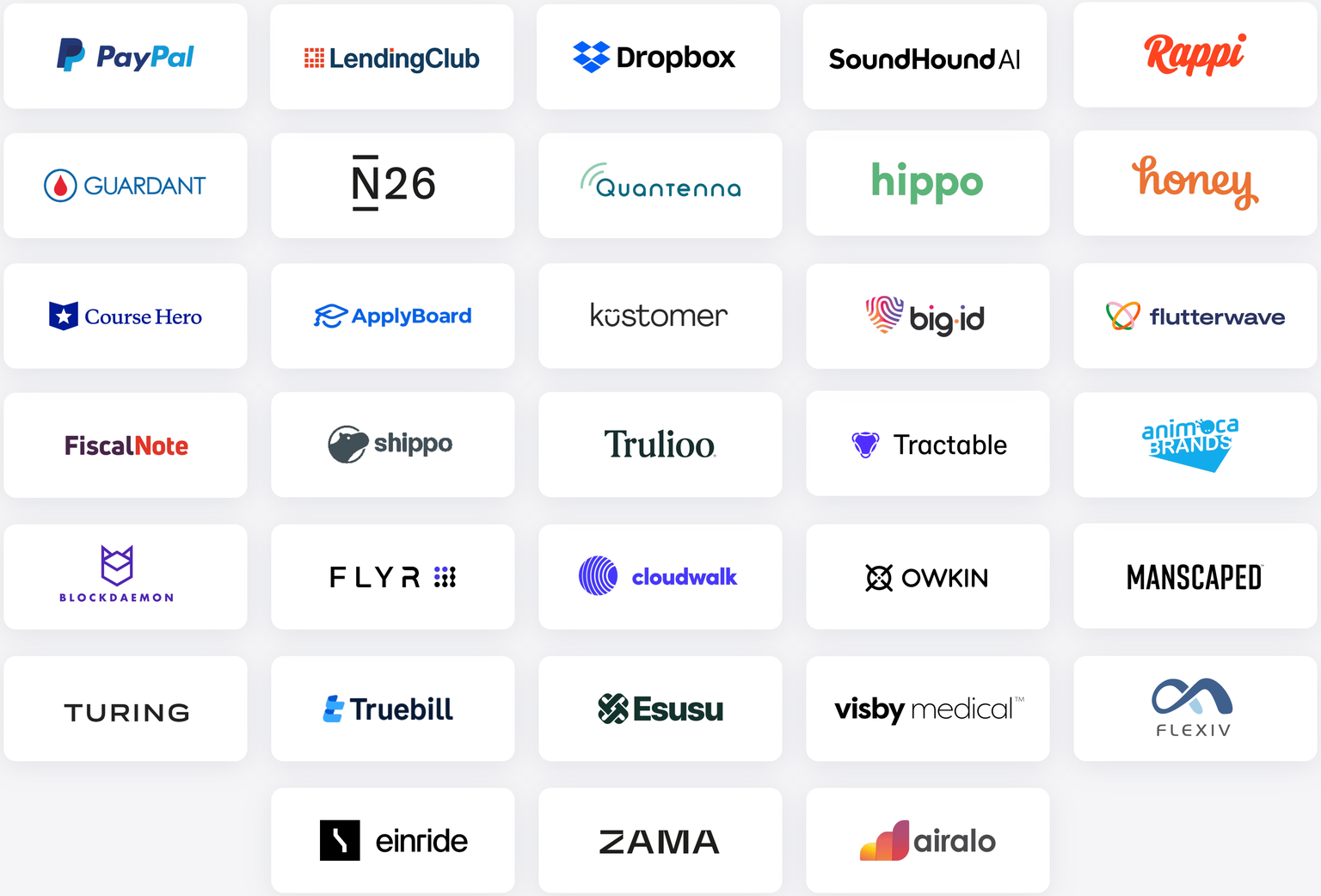
550+ CORPORATE PARTNERS

60+ OFFICES

We consistently back the best startups early

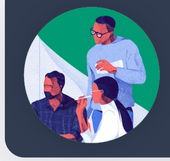
30+ Unicorns

Our growing portfolio of unicorns and category defining companies.



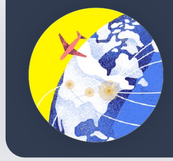
Our Innovation Blueprint

25+ Industry Verticals



OPEN INNOVATION
Sourcing and Market Insights

VENTURE CAPITAL
Corporate & VC Feedback

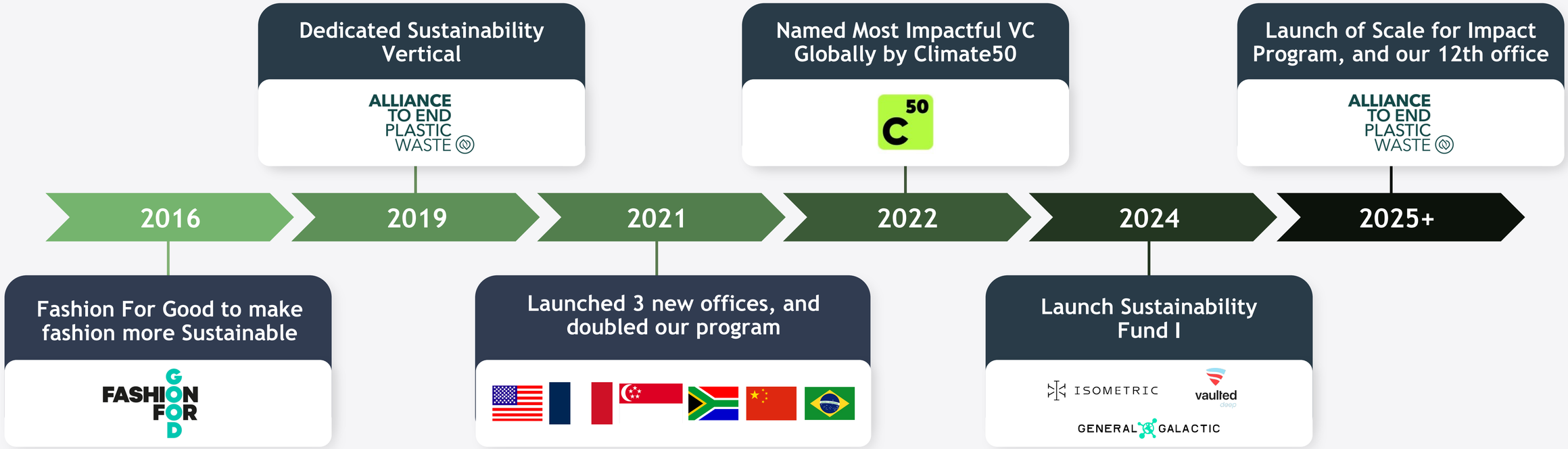


ACCELERATOR PROGRAM
Helping our Portfolio Scale

- Advanced Manufacturing
- Aerospace & Defense
- Agtech
- Animal Health
- Brand & Retail
- Crypto & Digital Assets
- Deeptech
- Energy
- Enterprise & AI
- Fintech
- Food & Beverage
- Health
- Insurtech
- Lifetech
- Maritime
- Media & Ad
- Medtech
- Mobility & Physical AI
- New Materials & Packaging
- Real Estate & Construction
- Semiconductors
- Smart Cities
- Sportstech
- Sustainability
- Travel & Hospitality
- Supply Chain

The tidal wave of AI will not wait, and Plug and Play Sustainability is adapting to lead the charge between Climate Tech & AI.

Our History in Sustainability



Alliance to End Plastic Waste Global Network

PLUGANDPLAY | ALLIANCE TO END PLASTIC WASTE

Established Oct. 2019

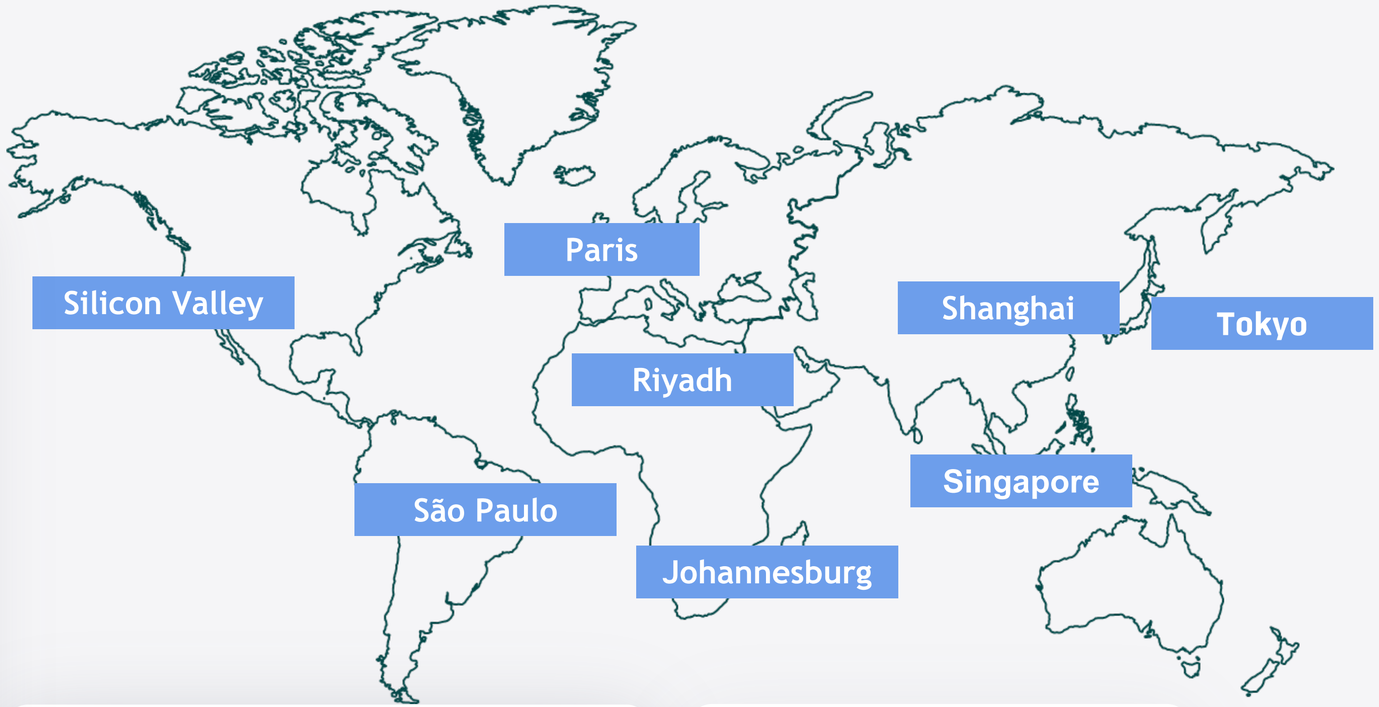
Driving plastics innovation with startups

Launched the partnership together on October 23rd, 2019 at Plug and Play in Silicon Valley.

Sourced and reviewed **4,000 startups** from across the plastic value chain and around the world. Accelerated **163 startups; resulted in $190M+ capital deployed, 240+ Pilots and PoCs**

Established **8 different hubs:** Silicon Valley, Paris, Singapore, Shanghai, São Paulo, Johannesburg, Tokyo, and Riyadh

Brought together the **75 Top Corporations** from across the plastics value chain and **70+ other investors, nonprofits and cities** onto one platform to drive innovation with the mission of ending plastic waste.



- **Collection**
- **Sorting**
- **Processing**
- **End Use**
- **Finance**
- **Waste Materials Exchange**
- **Design**

$190M+ Capital Deployed

240+ Pilots Launched

Vertical Focus Areas

Circular Economy

- Collection
- Sorting
- Processing
- End Use Markets- Recycling Technologies
- Finance
- Waste Materials Exchange
- Design
- Reusable

Industrial Decarbonization

- Green Manufacturing
- Materials Decarbonization
- Carbon Neutral Fleets
- Carbon to Value
- Carbon Tracking, Verification & Reporting
- CCUS Technology
- Plant Optimization

Clean Resources

- Renewable Energy Production
- Green Hydrogen & Infrastructure
- Water Membranes
- Battery Storage
- Energy Efficiency
- Water Treatment
- Plant Process Optimization

Mining

- EV Battery Passport & Recycling
- Ethical Practices
- Mineral Traceability
- Water Resilience
- Decarbonizing Heavy Equipment
- Mine Tailings and Brine Utilization
- Carbon Capture
- Bioremediation

Fashion

- Digitalization
- Upcycling
- Sustainable Dyes
- Recommerce
- Textile Recycling
- Water Treatment
- Bio-Based Materials

Sustainable Aviation Fuels

- Carbon to Fuel
- Bioenergy
- Waste-to-Fuels
- Feedstock Innovation
- Hydrogen to SAF
- F.T. Power to SAF
- Production
- Equipment Retrofitting

Driving plastics innovation with startups

Center of Excellence

- Innovation Scouting
- Incubators & Accelerators
- Dealflows
- Intrapreneurship
- Innovation Day
- Pilot Management
- Trend Reports
- Corporate to Corporate Connections
- Corporate Business Development Opportunities

Sustainability Fund

- Industry Investment Insights
- Co-Investment Opportunities
- Investing in the Future
- Financial Return
- Strategic Value
- Trend Reports
- Corporate Membership Opportunity

Scale for Impact Program

- Innovation Scouting
- Strategic Project Proposal
- Dealflows
- Co-Investment Opportunities
- Innovation Day
- PoC Management
- Large Scale Commercial Opportunities
- Corporate to Corporate Connections
- Corporate Business Development Opportunities

Early Stage Startups ⟷ **Late Stage Startups**

AI Center of Excellence

Plug and Play is launching the AI Center of Excellence for Sustainability. This program would bring together Corporations, Startups, and Investors from all around and from across an agreed upon value chain to drive innovation in a specific sector, as well as, corporations helping make AI more sustainable using their commercial ready solutions. Plug and Play aims to strategically bring all these players together with the mission of:

1. **PUBLIC, PRIVATE, AND UNIVERSITIES PARTNERSHIPS**
2. **TECHNOLOGY DUE DILIGENCE AND TREND REPORTING**
3. **M&A + TECHNOLOGY ADOPTION DE-RISKING**
4. **TECHNOLOGY EXPORT/IMPORT**
5. **CORPORATE to CORPORATE BENCHMARKING AND ROUNDTABLE**

- **Best AI Startups in Sustainability**
- **Direct Investment Opportunities**
- **Market Trend Reports**
- **Strategic Deal Flow**
- **Pilot & PoC Management**
- **Corporate Reverse Deal Flow**
- **Technology Export Into AI**
- **Innovation Days**
- **Business Development Opportunities**

Our investments have enabled us to earn our spot in the best names in climate tech investing.

FAMILY OFFICE INVESTMENTS

70+
# of Portfolio

Pre-Seed
Stage

FUND I OVERVIEW

12+
# of Portfolio

Seed - Series A
Stage

PORTFOLIO SINCE 2019

Heirloom
Circulor
Basetwo
RUBI
greyparrot
Sylvera
CHECKERSPOT
Connect Earth
epoch BIODESIGN
Thalo labs
sopht
Carbon Ridge
Carbon Reform
SUN BEAR BIOWORKS
KUBIK
FINRES
SolarMente
APOHA
rePurpose
SIMPLIFYBER

PORTFOLIO SINCE 2023

mona lee
QUEENS CARBON
ATOMIC CANYON
ISOMETRIC
CarbonRun
UCANEO
GENERAL GALACTIC
GIGABLUE
vaulted deep
SIMPLIFYBER

Investment Focus Areas

Electrification and the Grid

- Grid Mgmt. & Resiliency
- Energy Storage
- Behind-the-Meter Power Systems
- Sustainable Data Centers
- Excess Energy to X
- Enhanced Geothermal
- Energy Efficient Chips
- Nuclear Fusion

Industrial Decarbonization

- Green Manufacturing
- Materials Decarbonization
- Carbon Neutral Fleets
- Carbon to Value
- Carbon Tracking, Verification & Reporting
- CCUS Technology
- AgTech
- Plant Optimization

Resiliency and Adaptation

- Intelligent Waste Sorting
- Advanced Recycling
- Sustainable Mining
- Materials Exchange
- Novel Insurance & Natural Disaster Mitigation
- Water Management

Scale for Impact Program/ Commercial Scale-up Program

The AEPW x Plug and Play SIP program would bring together Corporations, Startups, and Investors from all around and from across the Plastic Value Chain to drive large scale flexible plastic recycling projects in N.America with the goal of replicating it around the world. Plug and Play aims to strategically bring all these players together with the mission of:

1. **CATALYTIC CAPITAL DEPLOYMENT**
2. **FORMING LARGE SCALE IMPACT PARTNERSHIPS**
3. **PILOT AND POC FUNDING**
4. **ATTRACTING 3RD PARTY CORPORATES & INVESTORS**

PLUGANDPLAY

Call to Action

Matthew Claxton

Partner - Sustainability

mclaxton@pnptc.com

SV SUMMIT

SAVE THE DATE!

FEBRUARY 11, 2026

SUSTAINABLE FUTURE BATCH KICKOFF

MAY 19-21, 2026

MAY SILICON VALLEY SUMMIT

#PNPTCSiliconValley

Join us at **pnptc.com**

TODAY'S AGENDA

- Opening Remarks
- Panel Discussion
- Startup Presentations
- Trends Presentation
- Startup Presentations
- Closing Remarks

PLUGANDPLAY

SV SUMMIT

SUSTAINABILITY PANEL

MODERATOR

Matthew Claxton

Partner, Sustainability
Plug and Play

Inês Azevedo

Professor of Energy Science Engineering
Stanford University, Doerr School of Sustainability

Gian Fausto Navoni

Head of Artificial Intelligence Strategy and Development
A2A Life Ventures

Katie Pettinger

Chief Innovation Officer
NSF Futures Engine in the Southwest

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Emcee

Palak Jauhari

Ventures Associate
Plug and Play

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STARTUP PRESENTATIONS

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STARTUP PRESENTATION

ARTEMIS

Artemis

AI Operating System for Energy

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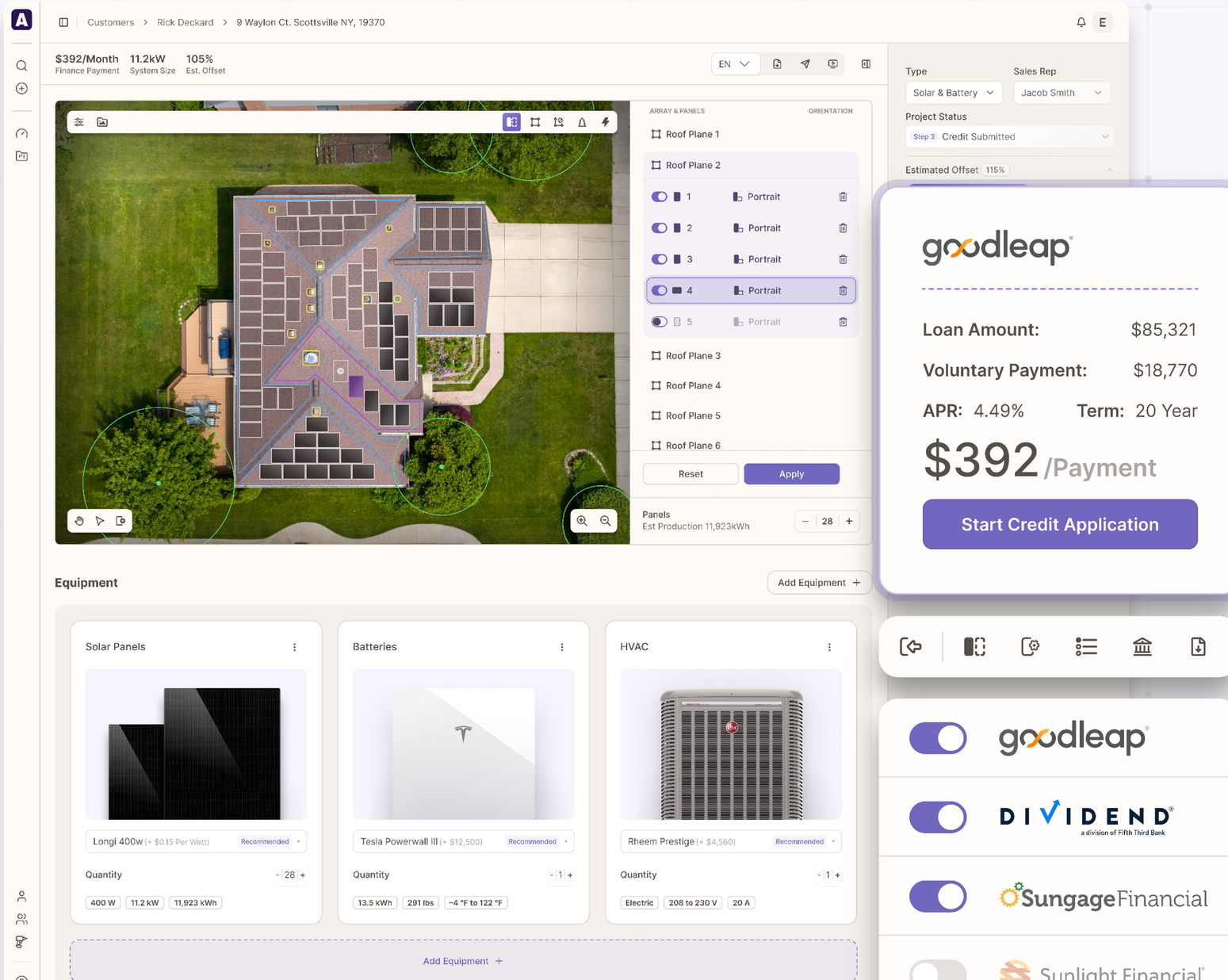
ARTEMIS

Enabling home energy companies to design, sell and finance at the speed of light.



How long do you think it would take to get solar and batteries installed at your home?

1 week

Just to get the price

100 days

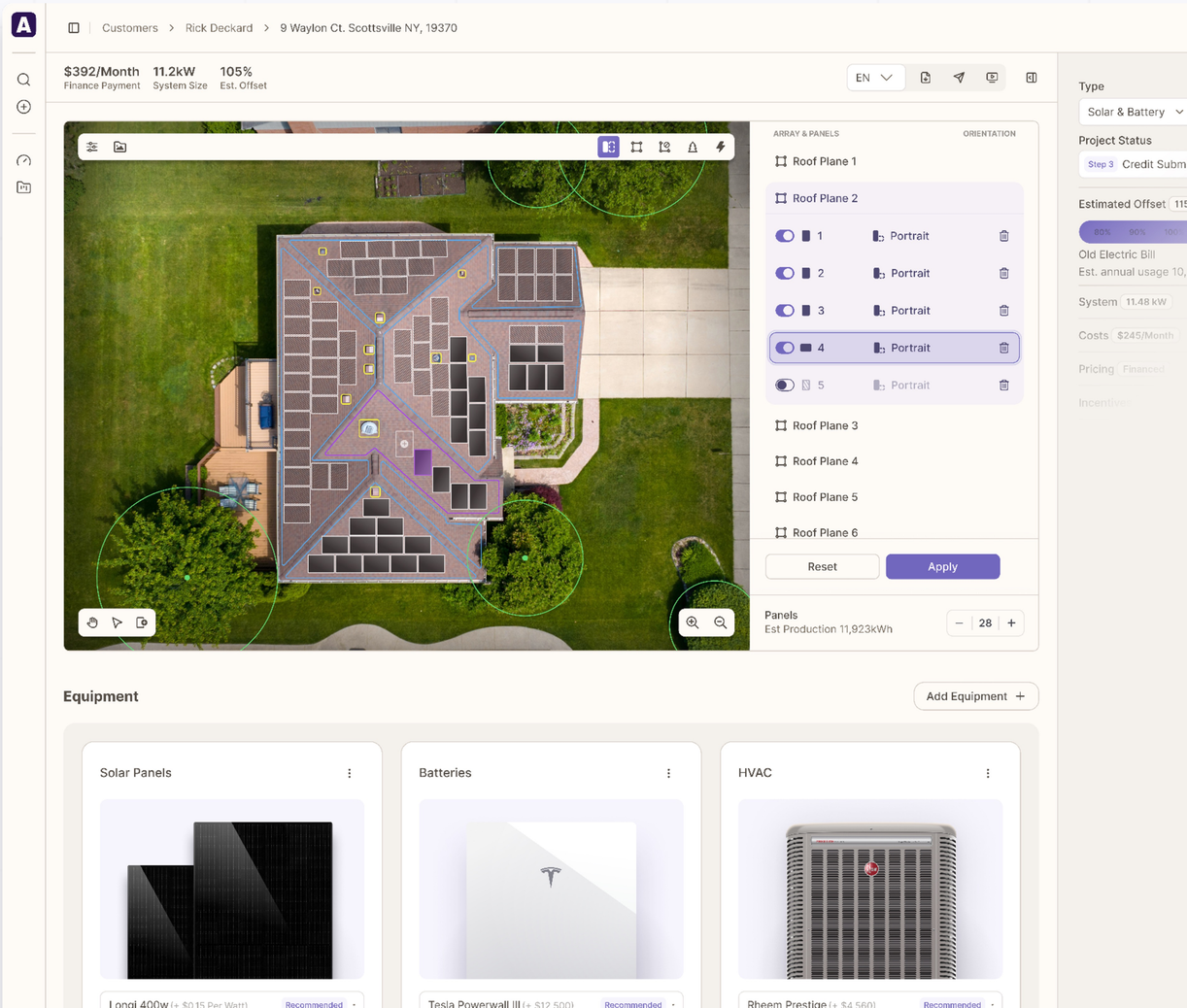
To get installed, mostly offline

50% cancel

With average NPS of <30

Artemis - *Shopify for Energy*

- *Design projects **in seconds***
- *Sell and finance **without site visits***
- *In **beautiful seamless** way for consumers*



Projects

W

Projects

Pre-sale | Post-sale | All

List | Pipeline

Create Project +

Search by customer name, email, representative name, email, or address...

PROPOSAL CREATED (1353)

5.33 kW (13x Panels, 1x Batt... — 0 Days

6448 Blackberry Pl, Riversid...
walid halty

Walid D. — Nov 08, 25

6.15 kW (15x Panels, 1x Batte... — 0 Days

8845 Mission Dr, Kenwood, ...
Test Test

Derek E. — Nov 07, 25

2.87 kW (7x Panels) — 1 Days

76 Ash St, Valley Stream, NY,...
ON_Hamilton_11 Borda

Katherine B. — Nov 07, 25

3.28 kW (8x Panels, 1x Batte... — 1 Days

6448 Blackberry Pl, Riversid...

CREDIT SUBMITTED (26)

0 kW (0x Panels) — 22 Days

251 Mission Dr, Pleasanton, C...
Pedro Vivaldi

Pedro V. — Oct 16, 25

0 kW (11x Panels, 1x Batteries) — 61 Days

3023 Montclair St, Detroit, MI...
Venus Manning

Jeremy S. — Sep 08, 25

0 kW (11x Panels, 1x Batteries) — 61 Days

3023 Montclair St, Detroit, MI...
Venus Manning

Jeremy S. — Sep 08, 25

0 kW (11x Panels, 1x Batteries) — 61 Days

3023 Montclair St, Detroit, MI...
Venus Manning

CREDIT APPROVED (9)

5.74 kW (14x Panels, 3x Batt... — 9 Days

540 Hamilton Way, Pleasanto...
Lydia Singleton

Jeremy B. — Oct 30, 25

0 kW (58x Panels, 1x Batteri... — 78 Days

2041 Pine Trail St, Las Cruce...
George Delosa

Pedro V. — Aug 21, 25

4.64 kW (16x Panels, 1x Ba... — 92 Days

33 Buccaneer Way, Coronad...
Marisol Testcase

Jared R. — Sep 26, 25

4.64 kW (16x Panels, 1x Ba... — 92 Days

33 Buccaneer Way, Coronad...
Marisol Testcase

CONTRACT SENT (26)

7.38 kW (18x Panels, 1x Batte... — 1 Days

251 Mission Dr, Pleasanton, C...
test test

Joseph O. — Nov 07, 25

8.61 kW (21x Panels, 1x Batt... — 3 Days

31 Case Ave, Winchester, CT,...
John Doe

Alex S. — Nov 03, 25

8.2 kW (20x Panels) — 5 Days

76 Greenfield Rd, Lancaster, ...
John Smith

Alex S. — Oct 31, 25

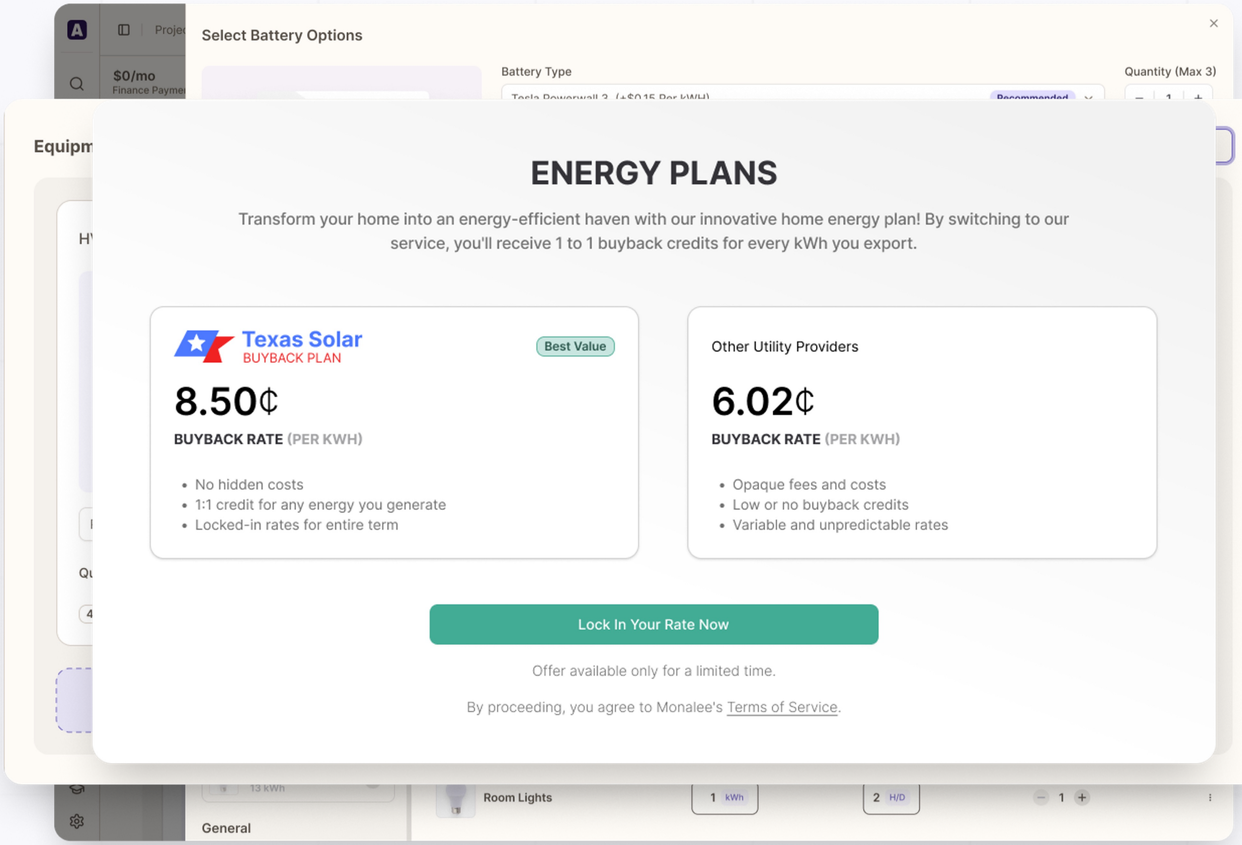
11.07 kW (27x Panels) — 5 Days

46 Cedar Terrace, Sayreville,...
Celso Acuna

0:00

We’ve layered on:

- Energy arbitrage for batteries
- Home upgrades
- White-labeled Grid plans



$480K to $65K
Reduced Costs

98%
Faster

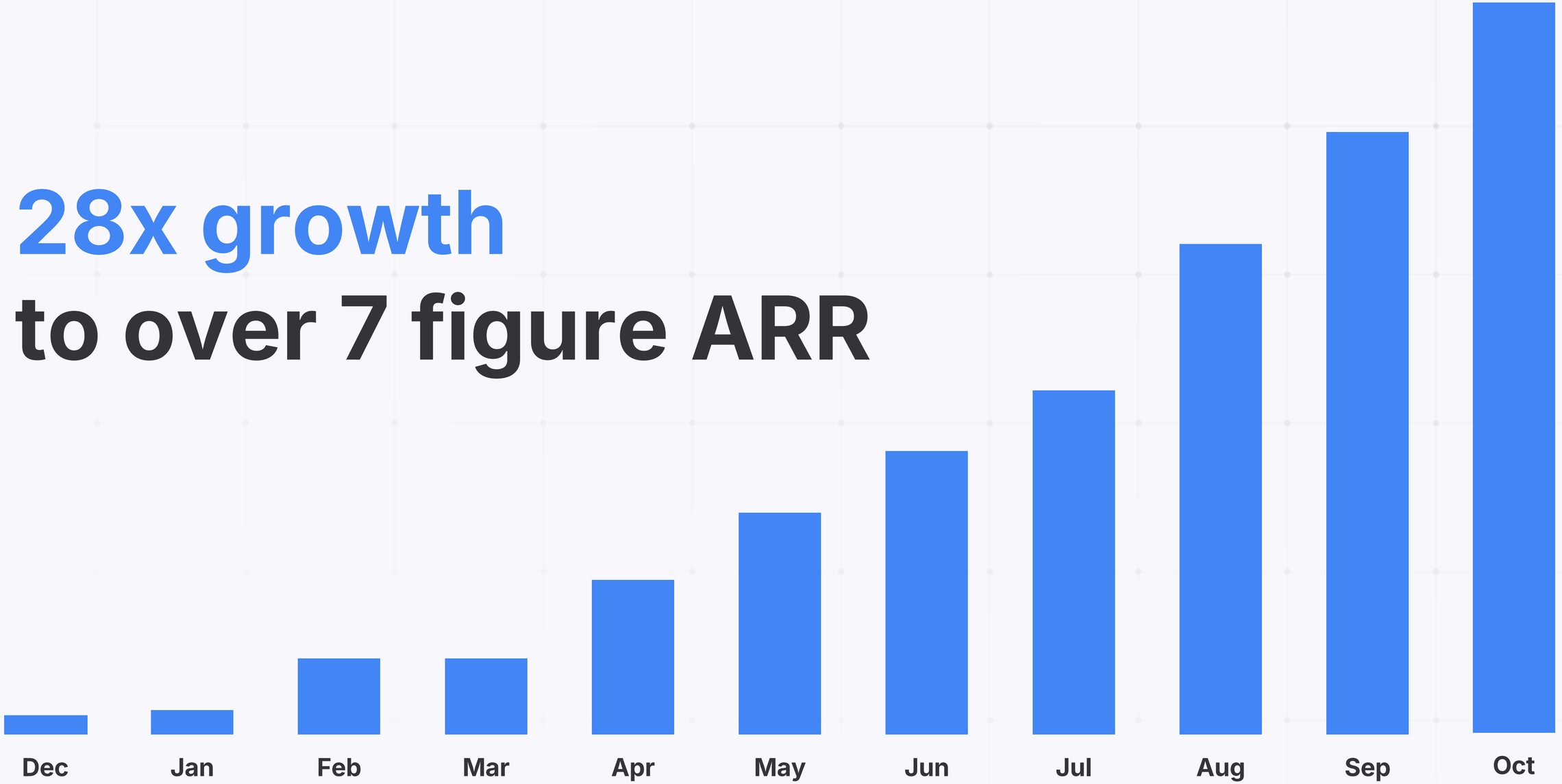
7 days to 3 min
Reduced Sales Time

27%
Consumer savings

$9.6M
Increased Revenue

32%
Reduced customer costs

28x growth
to over 7 figure ARR

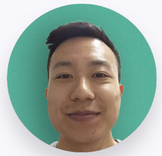


We've spent the last decade in energy & AI

Walid Halty • CEO
Scaled SolarCity/Tesla division to $125m/year.
Co-founded Colossus.com (Acquired by PX)

Alexander Urban • CFO
Deployed >$200m in energy startups over 8 years as an investor with Shell's VC group

Juan Carrillo • CTO
Prior AI researcher at University of Toronto, Waterloo, and Canadian Space Agency



Jonathan Leung • CMO
Helped scale Momentum Solar to $1B+/year, one of largest privately-held solar companies.

TESLA SolarCity
UNIVERSITY OF WATERLOO Shell
Qualcomm

10x researchers PhD in Geographic information systems, remote sensing, geomatics

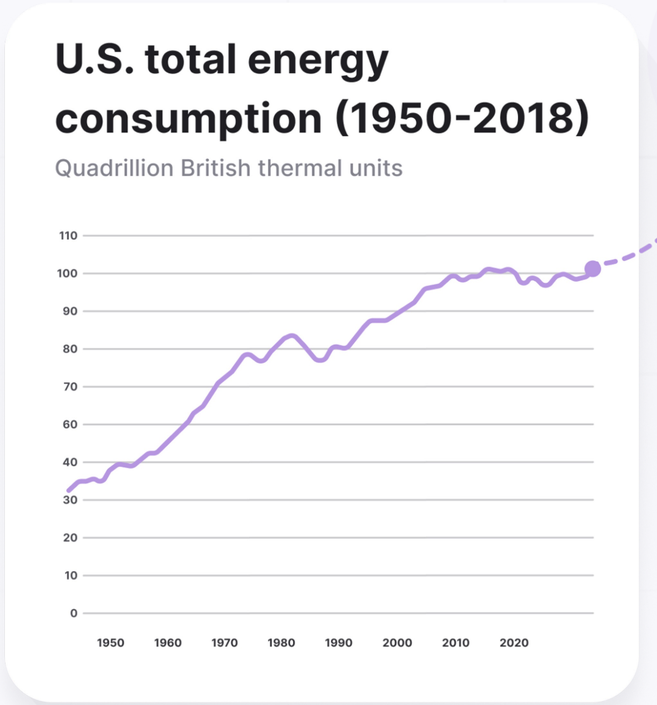
+11x engineers

Raising $10M to scale to $35M ARR

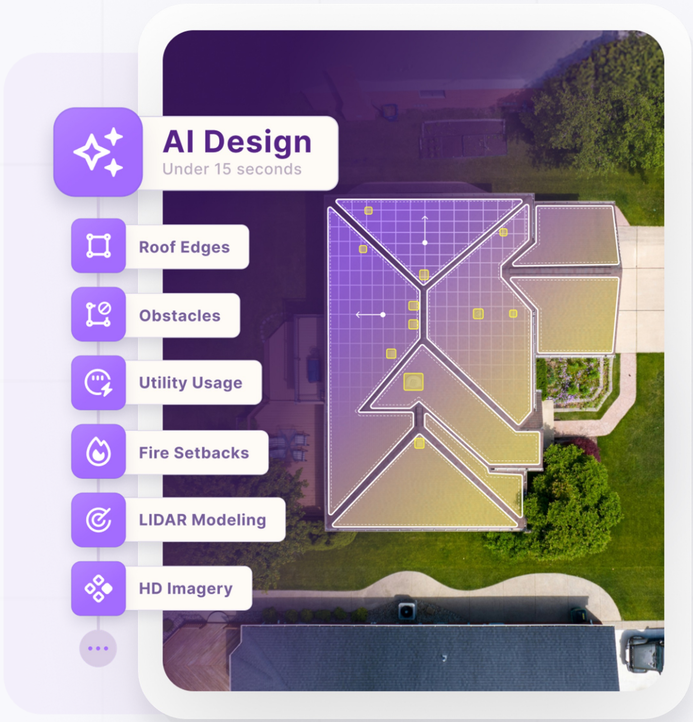
Coalition
COPEC WIND VENTURES
FJ LABS
Long Journey
LUDLOW
PLUG AND PLAY
PTC
SCOTT BANISTER
SHRUG²
Tribeca VENTURE PARTNERS

Why now?

1. Electricity Usage & Prices



3. AI + GIS + CV



ARTEMIS

Thank You!

www.artemis.solar

PLUGANDPLAY

SV SUMMIT

STARTUP PRESENTATION

Soarce

Soarce

Redefining industrial nanomaterials

#PNPTCSiliconValley

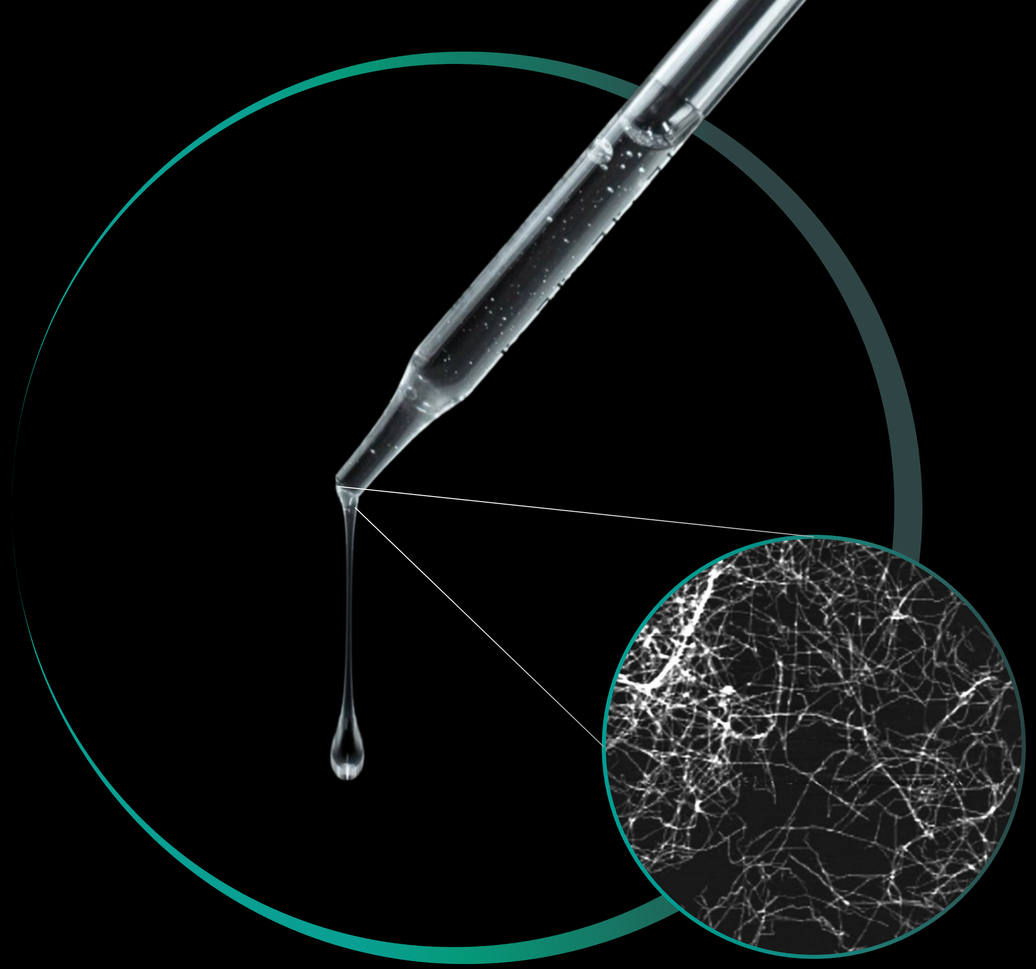
Join us at **pnptc.com**

Soarce™

Nanofibers 8x Stronger Than Steel

Mason Mincey | COO | Co-founder

Derek Saltzman | CEO | Co-founder



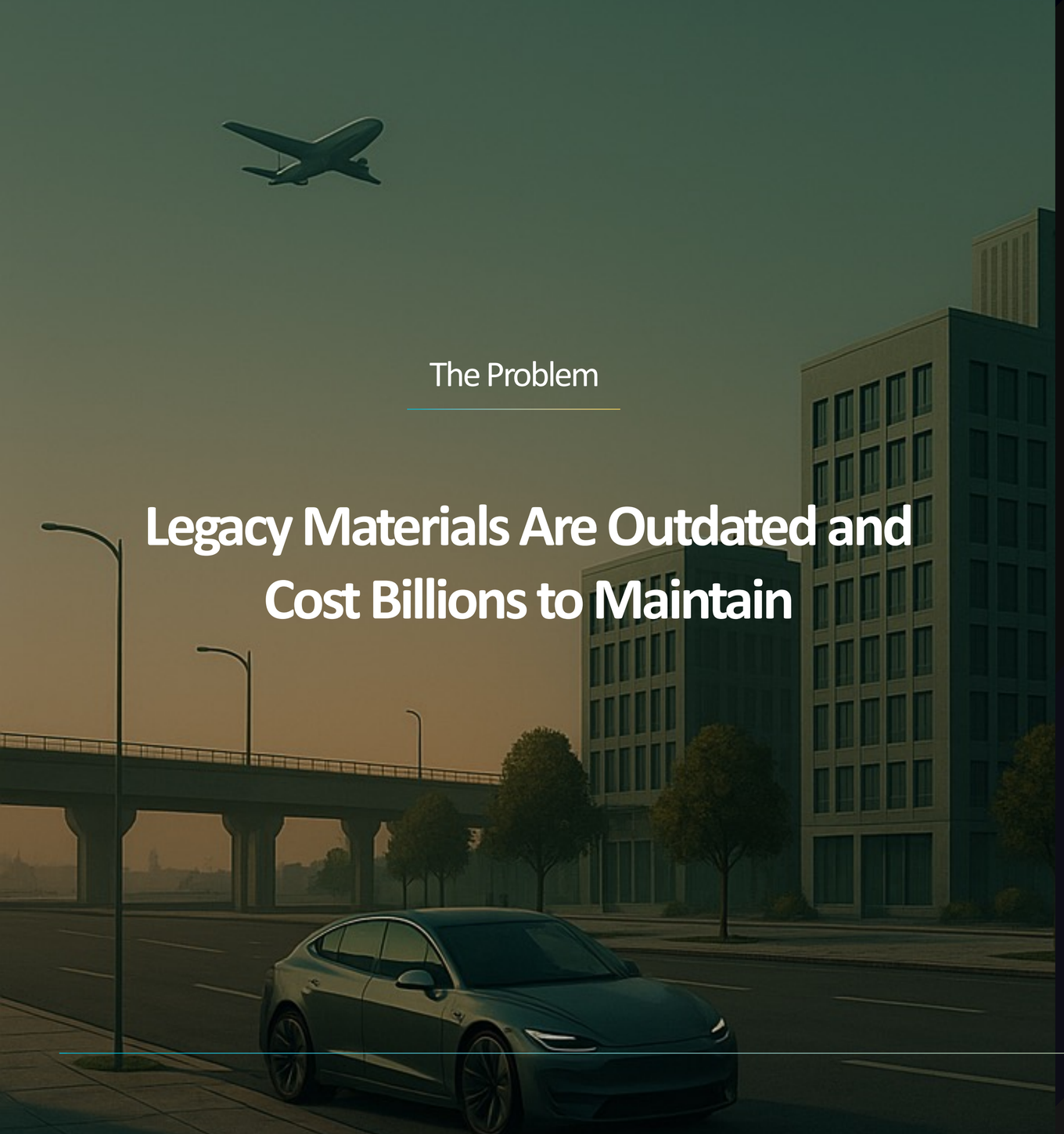
Reinforcing the Future: Scalable, Low-Cost Nanomaterials for the Industrial World

Can natural materials fuel our industrial complex?

info@soarceusa.com

The Problem

Legacy Materials Are Outdated and Cost Billions to Maintain



The Problem

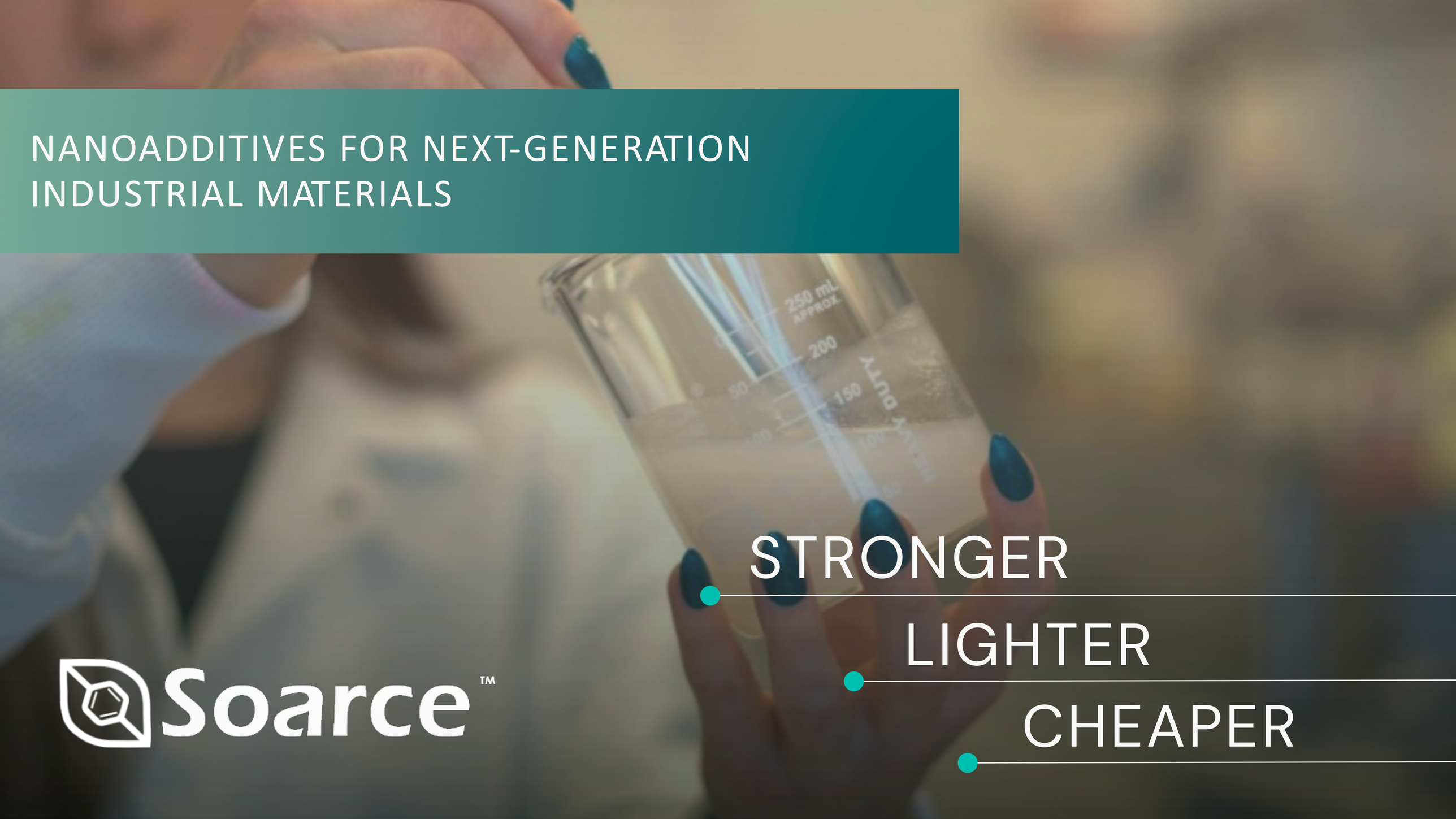
Legacy Materials Are Outdated and Cost Billions to Maintain

The $2.5T Problem

$120B In backlogged repair cost across automotive, aerospace, and construction.

10% In over-engineering added cost to compensate for long-term durability.

40% of GHG Impact of built environment with tight margins and long requalification timelines.



NANOADDITIVES FOR NEXT-GENERATION INDUSTRIAL MATERIALS

STRONGER

LIGHTER

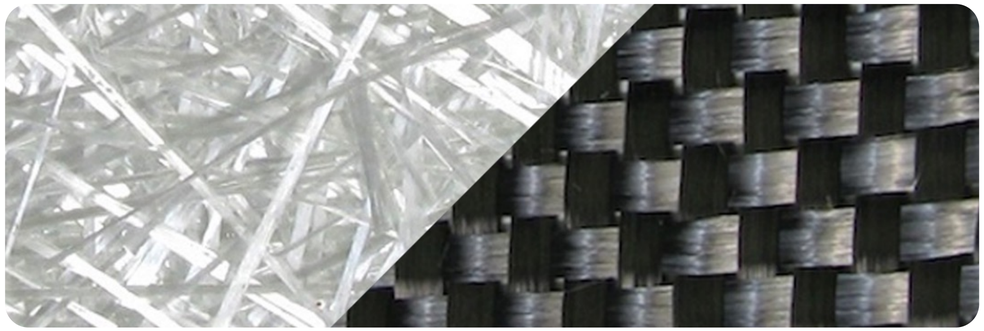
CHEAPER

Soarce™

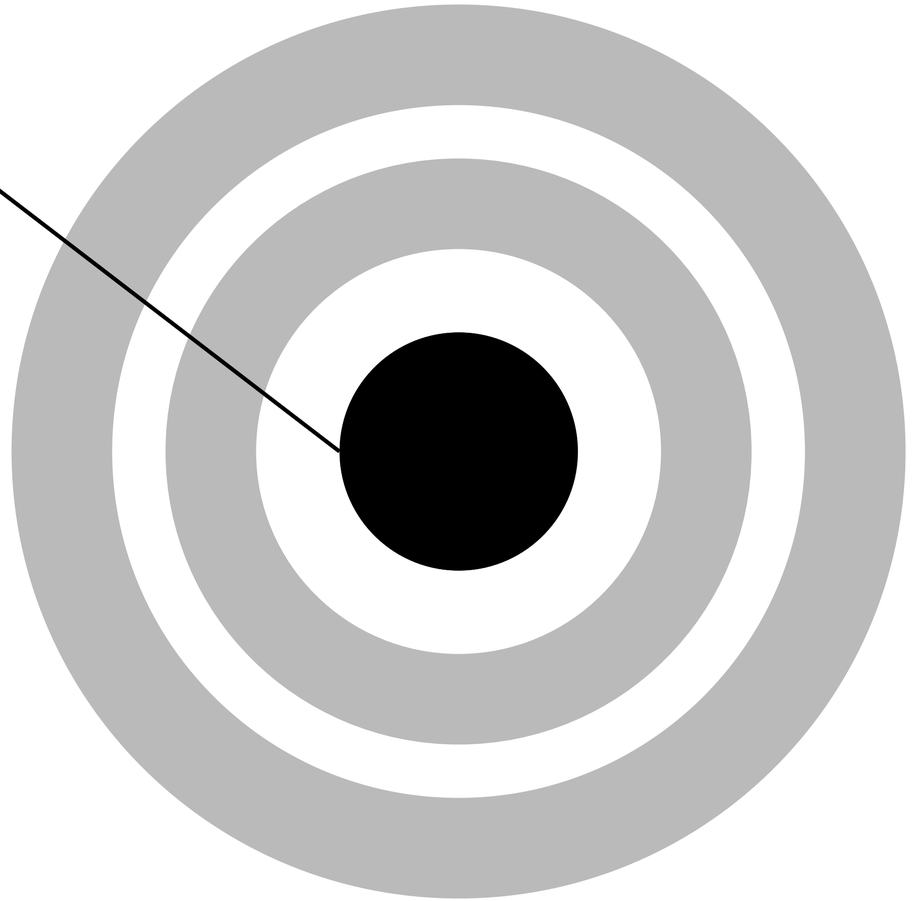
Market Scale-up Plan

Beachead

Fiber-Reinforced Composites: $4.7B (bottom up)



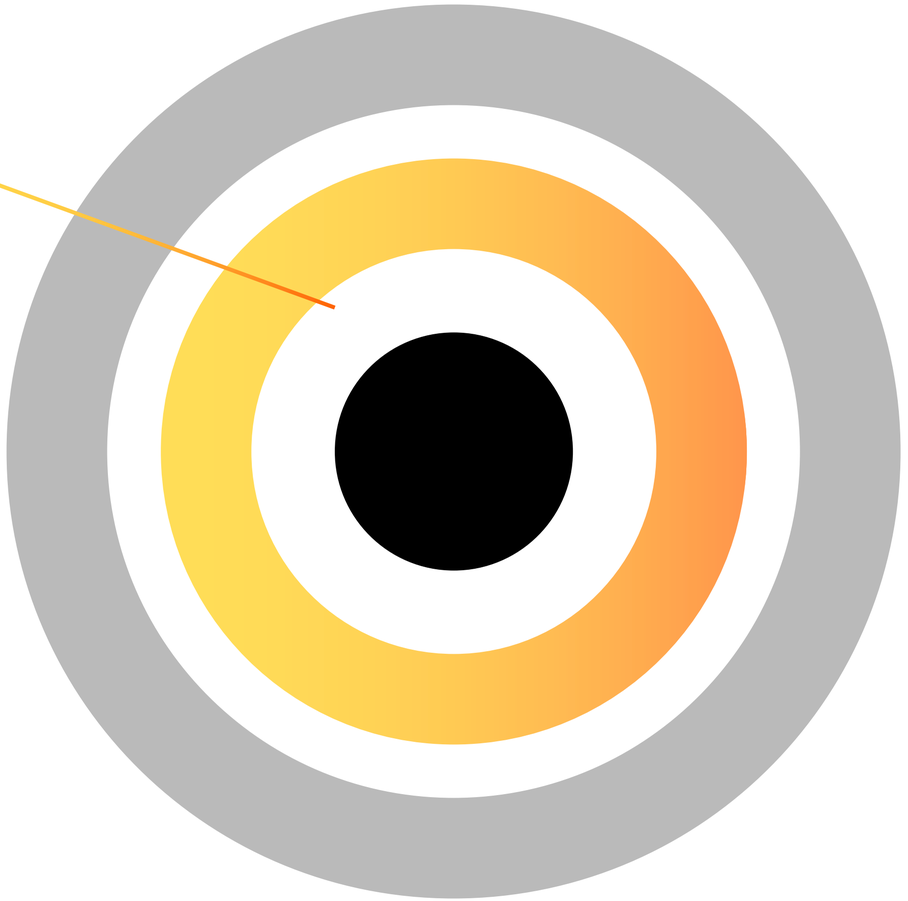
Defense Ballistics
Sports Equipment
Oil and Gas
Marine Vehicles
Aerospace



Market Scale-up Plan

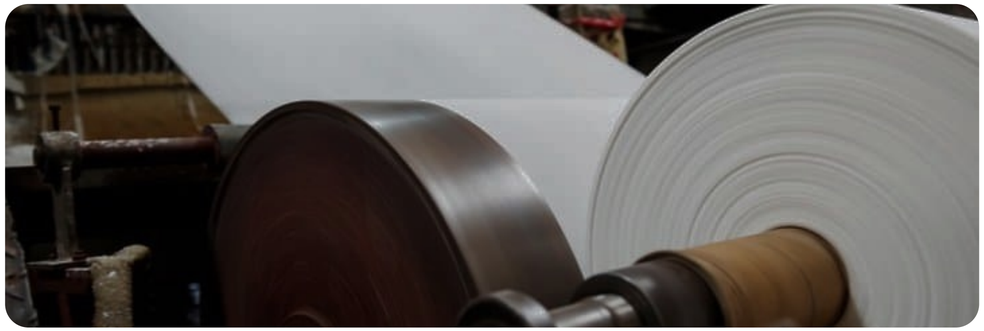
Cement and Concrete: $20B (bottom up)

3D printed cement and clays
Pre-cast
Asphalt
High performance concrete

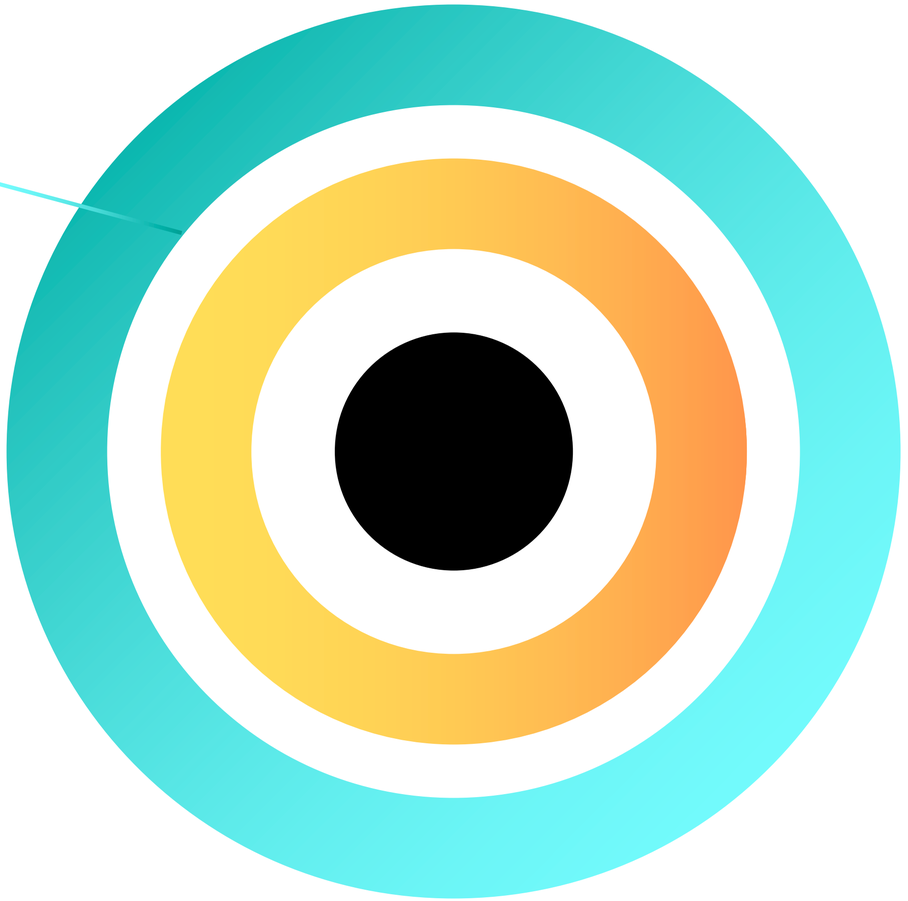


Market Scale-up Plan

Paper, Coatings & Plastics: $100B (bottom up)



Corrugated Paper Products
Oil and Oxygen Barrier Coatings
Fertilizer Coatings
Engineering Plastics
Specialty Pulp



B2B Sales Model to Manufacturing Firms

Initial Evaluation

Price	**$1,000-$3,000/kg**
Volume Revenue	**$3,000-$10,000 per client annually**

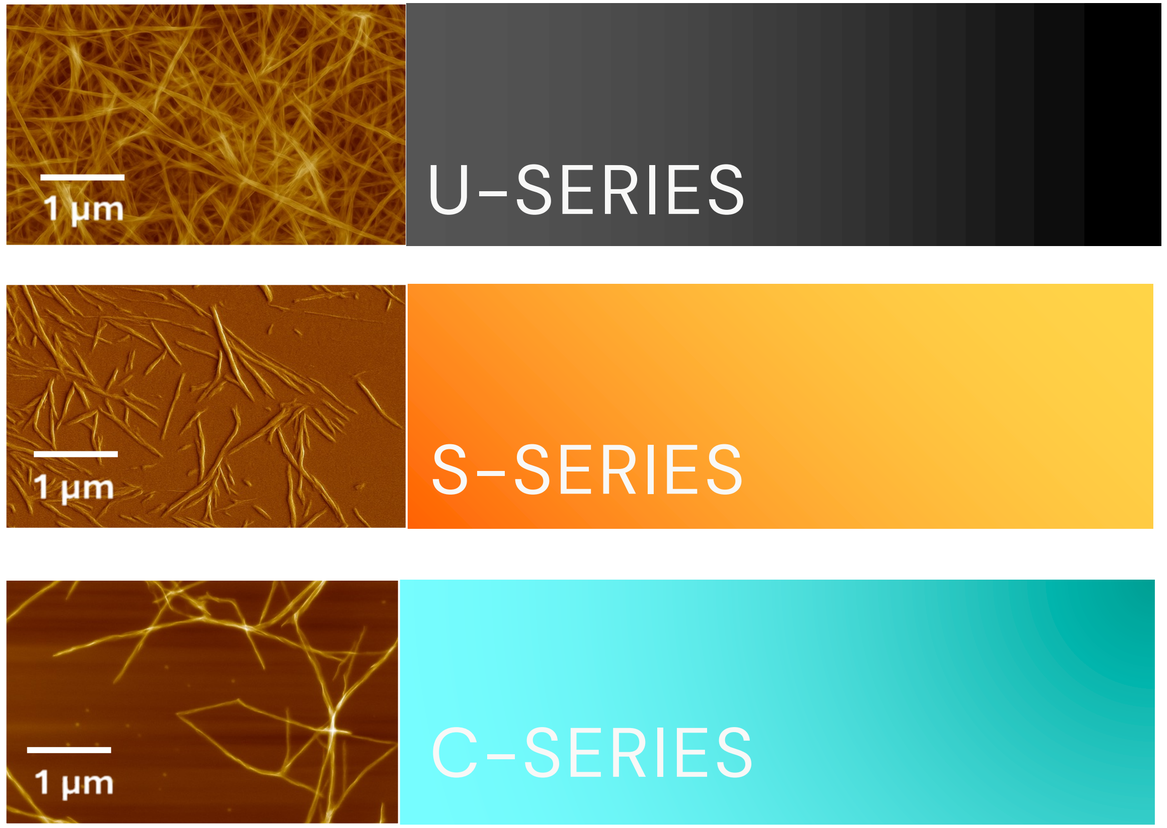
Pilot Trials

Price	**$100-$300/kg**
Volume Revenue	**$25K-$75K per client annually**

Commercial Order

Price	**$10-$50/kg**
Volume Revenue	**$100K-$250K per client annually**

Products



We’re building strong traction to scale across major industrial markets.

Leading Clients

40+
products sold with repeat buyers.

8
signed SOWs leading to paid pilots

$500K
in future pilot revenue upon successful trials.

$40M
in ARR targeting 2028 upon successful pilots.

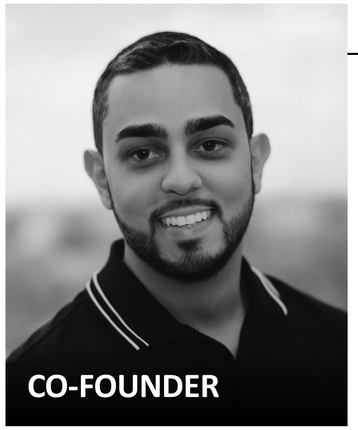
ROADMAP

Our next milestone is to launch a 20-ton pilot facility to support paid qualification trials.

SEED FINANCING

- Grow business dev and application engineering.
- Pass all regulatory clearance checks.
- Convert pilot contracts in $40M worth of offtake agreements in 2028.

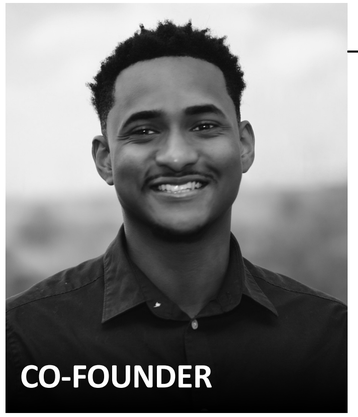
Seasoned Team in Materials Innovation



CEO DEREK SALTZMAN

B.S. in Materials science

Published research in high temperature composite materials



COO MASON MINCEY

B.S. in Materials science

Co-authored “future of synthetics” for brands like Nike, Adidas, etc

research and development

Meri Lundahl Ph.D

Chief Research Lead

Seasoned nanocellulose scientist from Aalto University. 18+ publications.

William Chamorro Ph.D

RnD Manager

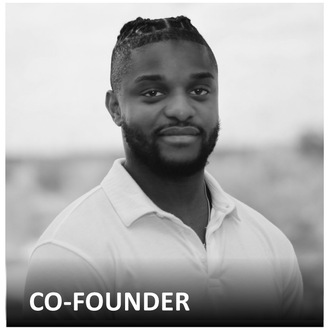
20+ publications in nanomaterial processing.

Jim Degen

Production Consultant

Previous manager of Chemical Technology Process Development at LORD Corporation.

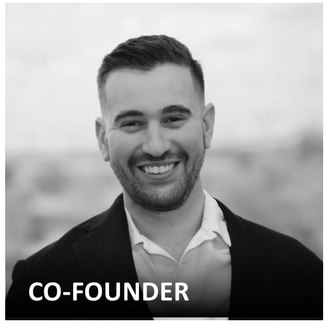
Business development



Patrick Michel

Chief Sales Officer

Seasoned sales exec in startup environments.



Matthew Jaeger

Chief Financial Officer

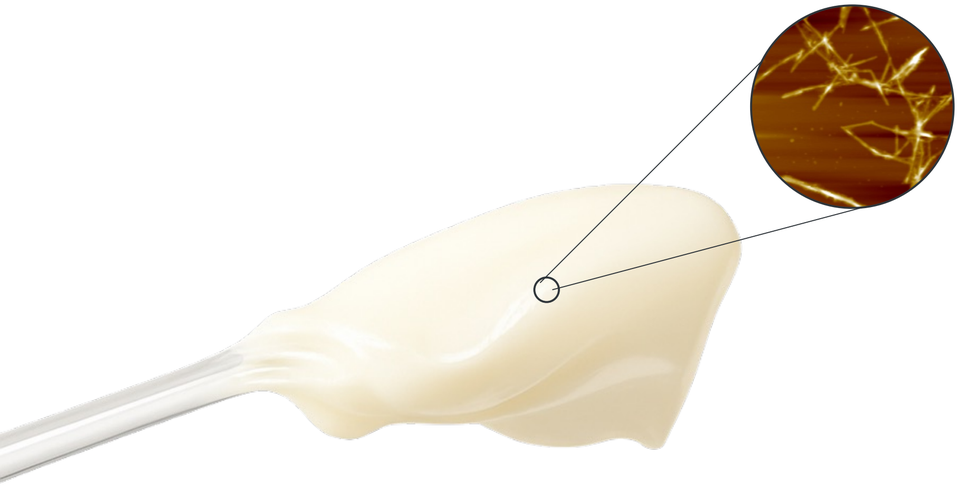
Actuarial scientist experience at Hanover Re.

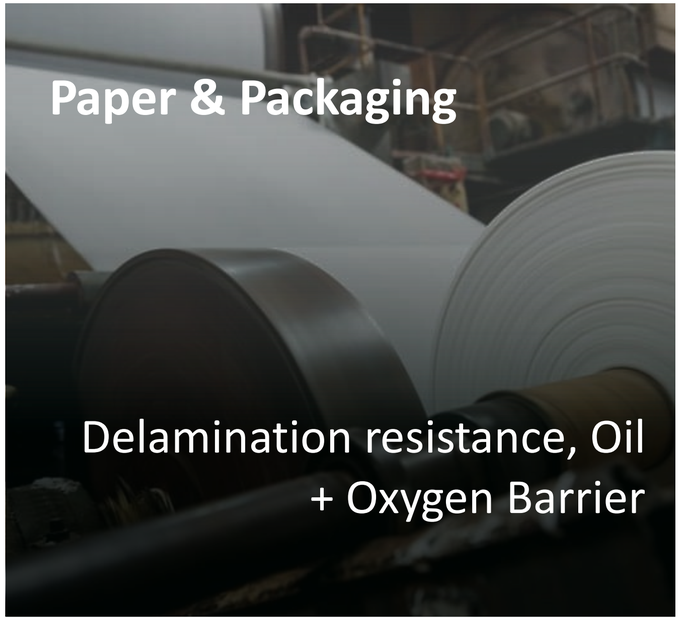
Ed Gustin

Business Dev Consultant

Formed JV with Henkel and LORD. $3B exit.

One Material. Endless Impact.





info@soarceusa.com

Soarce™

“We have built the technology to enable the material transition”

-Now it’s time to scale!

What we’re looking for!

01 Lead Investors and CVCs for upcoming seed.

02 Defense customers related to ballistics, energetics, and composite materials.

03 Commercial customers related to construction, agriculture, and coatings.

Previous institutional investors

PLUG AND PLAY

boostVC

FOUNDERS FACTORY.

LEAD VENTURE CORPORATION

collab capital

PLUG AND PLAY

SV SUMMIT

STARTUP PRESENTATION

AIROBES

Airobes

Proteins from Pollution

#PNPTCSiliconValley

Join us at **pnptc.com**

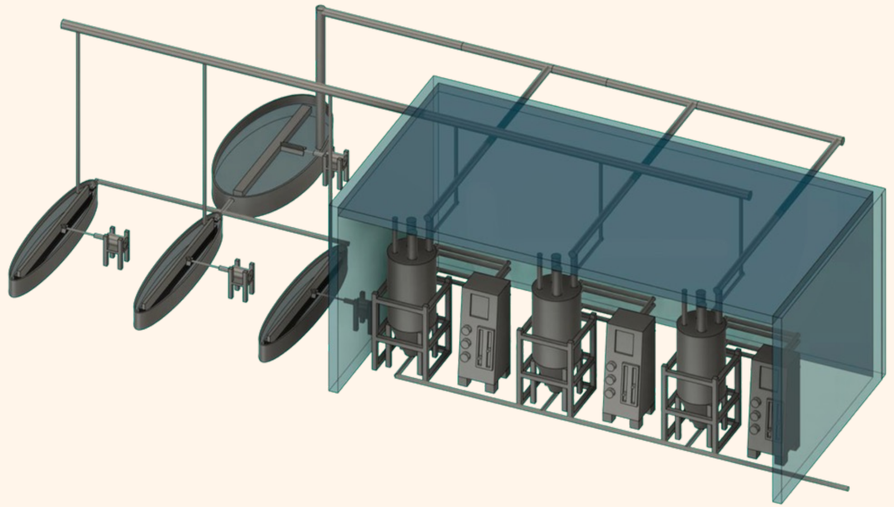
AIROBES

Transforming CO_2 into recombinant proteins

AIROBES

Turning Pollution into Profit

- We do direct air carbon capture
- We make a protein from CO_2 that **90%** of molecular biology labs use



What Sets us Apart

Airobes:

- We do not rely on carbon credits or green premiums
- High value products and simple infrastructure avoid common industry pitfalls:

Low value products	Dependence on tax credits
Large capital needs	Prolonged ROI timelines

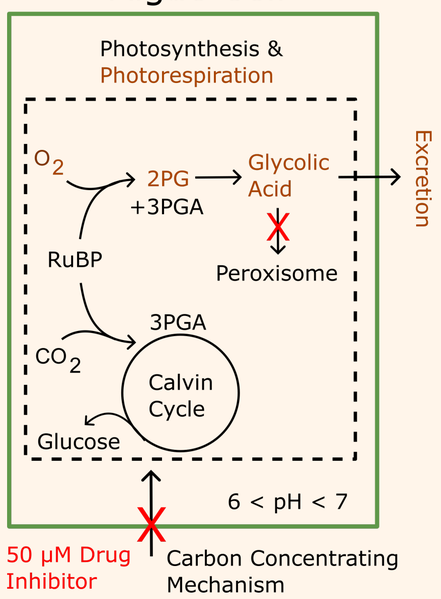
The Breakthrough

Two-Step Innovation

01

CO_2 to Nutrients

Algae turn CO_2 into glycolate



No Green Premium

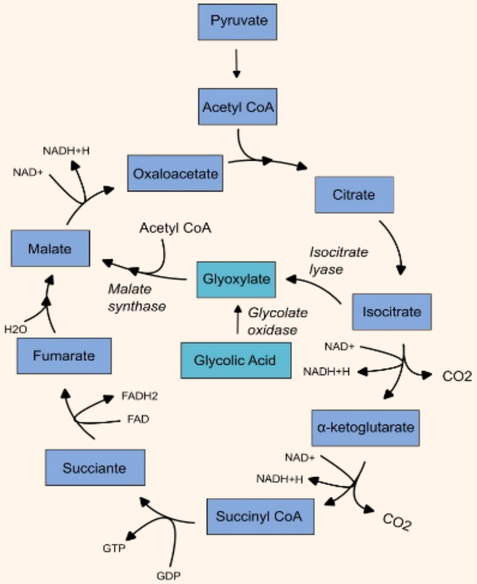
Programmable Output

Patent-Pending

02

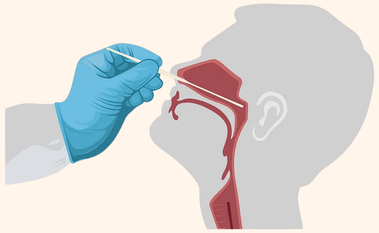
Nutrients to High Value Products

Engineered bacteria consume glycolate and produce recombinant proteins



Market

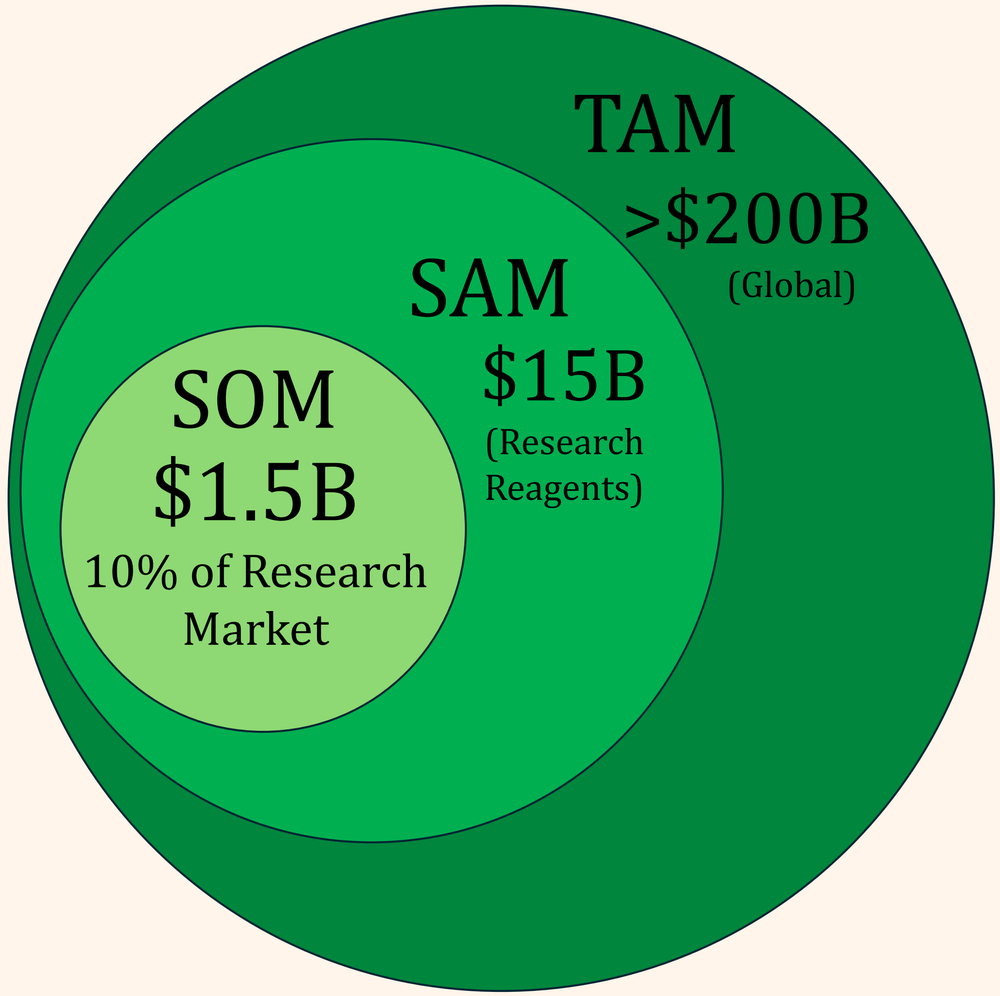
Skin care products



Diagnostics

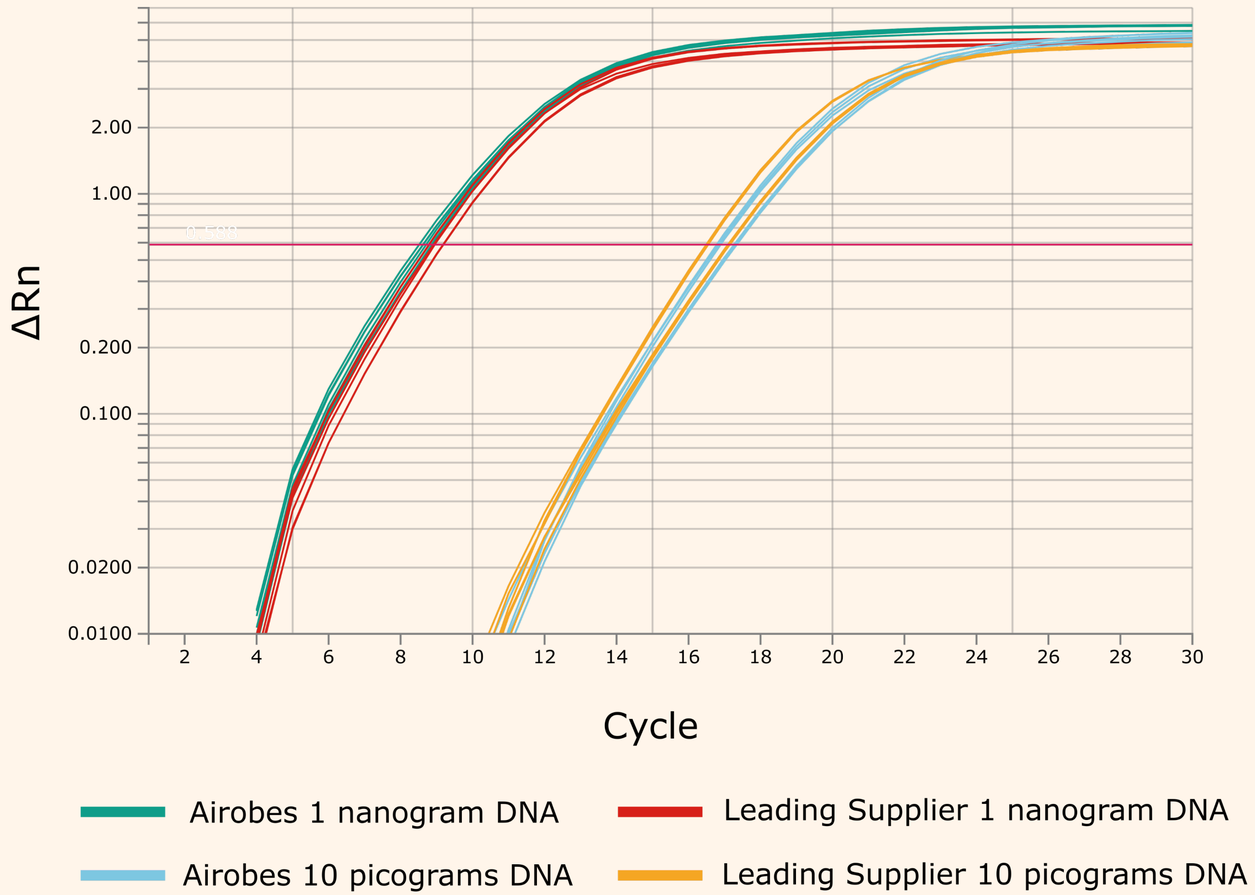
Insulin

Total Recombinant Protein Market



Product Validation

Competitive performance



- Equivalent to leading supplier
- Only product on the market that uses CO_2 waste for production
- No seasonality or dependence on agriculture feedstocks

AIROBES

Where We Are Today

$81k
Current output value
per gallon batch

540
Kits produced
per gallon batch

75% Profit Margin

Our Price
$150
Per kit

Leading U.S. Competitor
$400
Per kit

ASU

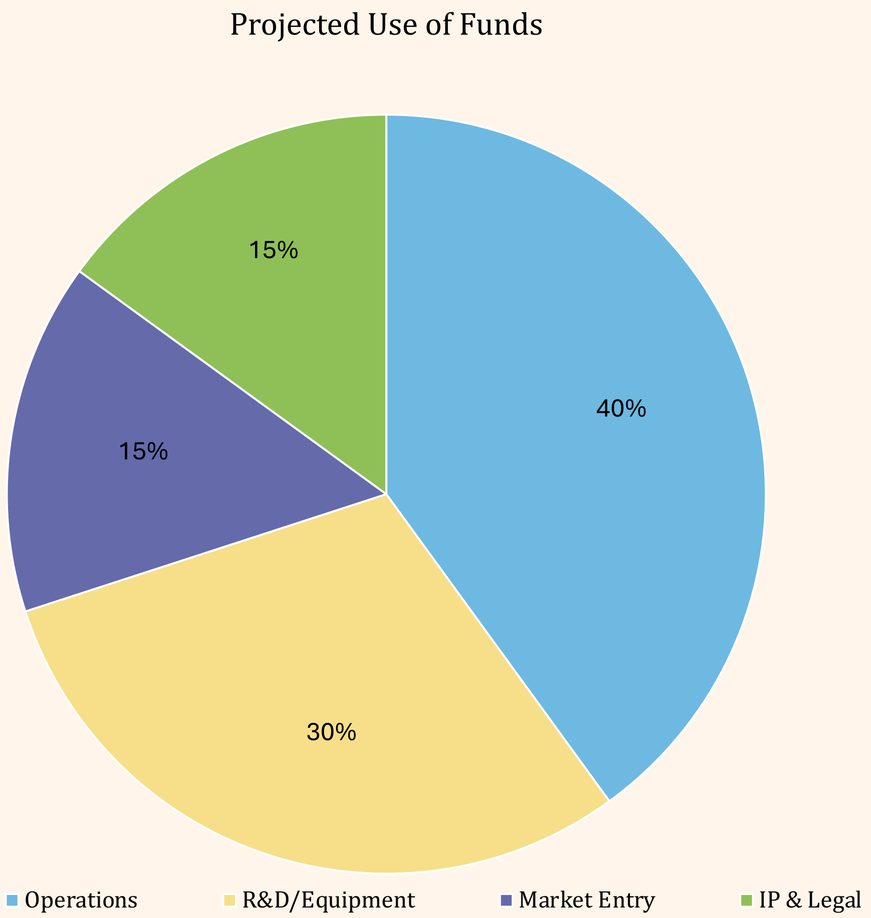
THE UNIVERSITY OF ARIZONA

UT TYLER

Where We Want to Be

We're raising a **seed round of $3M** to:

- Increase sales opportunities
  - Expand into commercial labs
- 10x batch size translating to >**$1M revenue / month**
  - Scaling with support from Arizona State's Center for Algae Technology and Innovation
- Strengthen and broaden IP protection



Contact Information

Jarrett Eshima, Ph.D.

jeshima@airobes.com

480-766-8688

Phoenix, Arizona

https://airobes.com/

AIROBES

Momentum Driven

Technology validated

Patents filed

Team assembled

Market ready

Growing Potential

Regulatory pressure mounting

Market demand accelerating

First-mover advantage

Your Opportunity

Ground floor entry

Proven technology

Massive market

Environmental impact

Our Technology Is Inevitable

However, it will happen faster, better, and more profitably with the right partners

PLUG AND PLAY

SV SUMMIT

STARTUP PRESENTATION

Carbon Utility

Carbon Utility

Closed-loop CO2-to-fuels & materials for industrial & defense applications

#PNPTCSiliconValley

Join us at **pnptc.com**

Carbon Utility®

We capture & convert CO2 on-site into renewable fuels and advanced materials for industrial & defense applications

This presentation contains forward-looking statements, which reflect our current views regarding future events, financial performance, and operational strategies. These statements are subject to risks, uncertainties, and assumptions that could cause actual results to differ materially from those expressed or implied. Factors that could cause differences include market conditions, competitive dynamics, and regulatory changes. We undertake no obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Rigid and centralized supply chains drive volatility

Transportation costs, lead times & price volatility drive supply uncertainty

+77% Post-pandemic increase in transportation costs

31% Customers with unfulfilled contracts due to supply disruptions

Decentralized local production nodes improve supply chain resiliency

- *Fewer delays*
- *Improved cost certainty*
- *Reduced inventory needs*
- ***Lower emissions***

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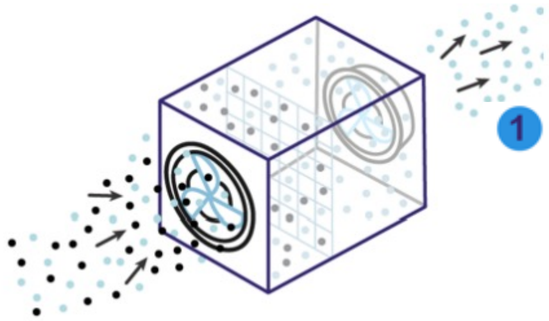
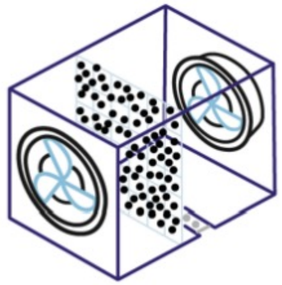
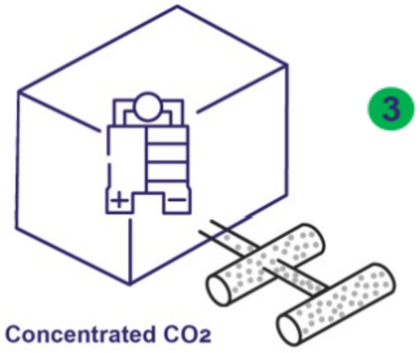
First, we capture CO2 & produce Green H2 using our novel integrated Direct Air Capture system



1 CO2 is chemically bound to a liquid-based absorbent.

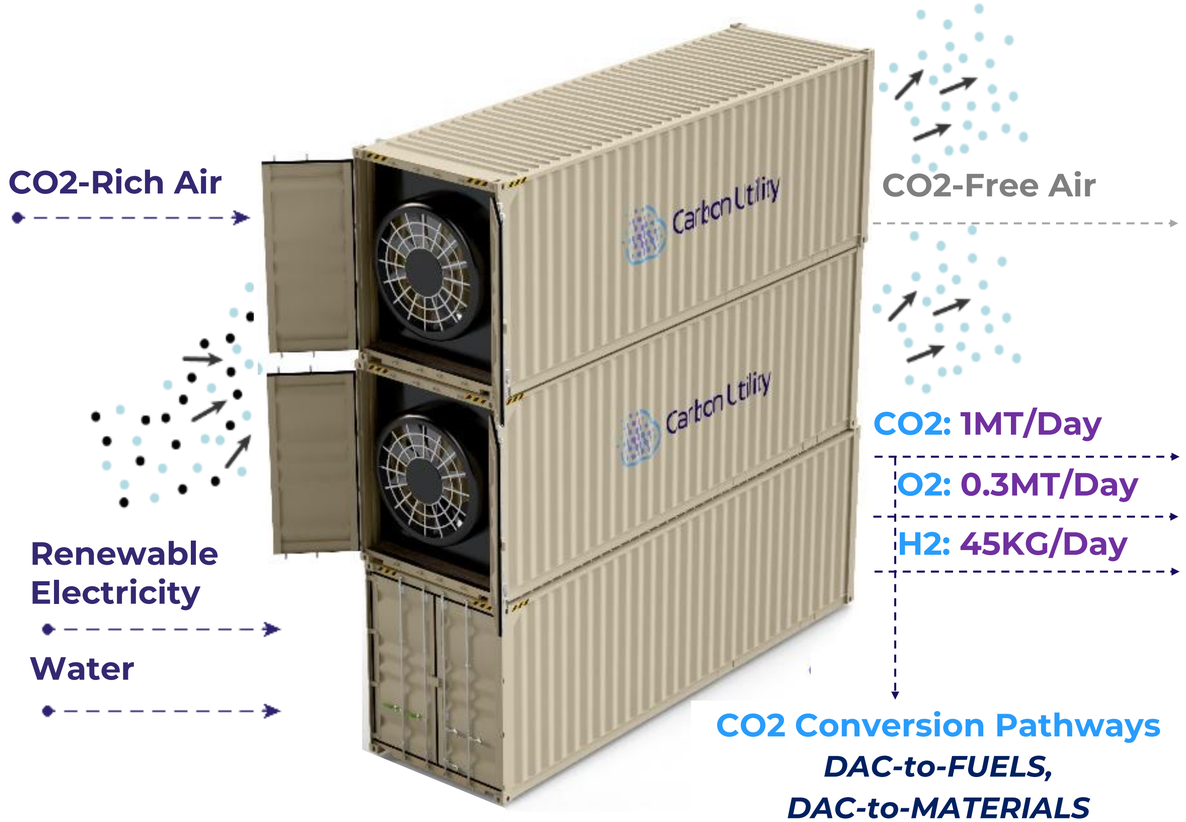


2 Once the absorbent is saturated with CO2, the binding solution is transferred to the release & compression unit.



3 CO2 & H2 are then released from the binding solution using electricity & water.

MODULAR ELECTROCHEMICAL DAC



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We then convert these outputs to renewable fuels & materials in a closed-loop system architecture

CO2 CAPTURE

(TRL 7)

OUTPUTS

CO_2
Carbon Dioxide

H_2
Green Hydrogen (H2)

O_2
Oxygen

CO2 CONVERSION

> Fuels (TRL 6) & Materials (TRL 2)

OUTPUTS

GREEN FUELS:

- *e-Methanol (MeOH)*
- *DME (synthetic diesel)*
- *Olefins*
- *MeOH-to-SAF*

GREEN MATERIALS

Synthetic Carbon Fiber
Silicon Carbide Fiber

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Our platform removes feedstock dependency and enables lower cost CO2 capture & conversion

Comparative Advantage	Carbon Utility	Parallel Carbon	MISSION ZERO TECHNOLOGIES	Carbon Engineering
DAC Module Outputs	CO_2 H_2 O_2	CO_2 H_2	CO_2	CO_2
Conversion Capability				
Feedstock Independence				
Modular Design				

- **Unlocks multiple high-value products from one system**
- **We produce fuels & materials without external inputs**
- **Low-complexity, patented system architecture**
- **Compact, scalable platform for flexible deployment**

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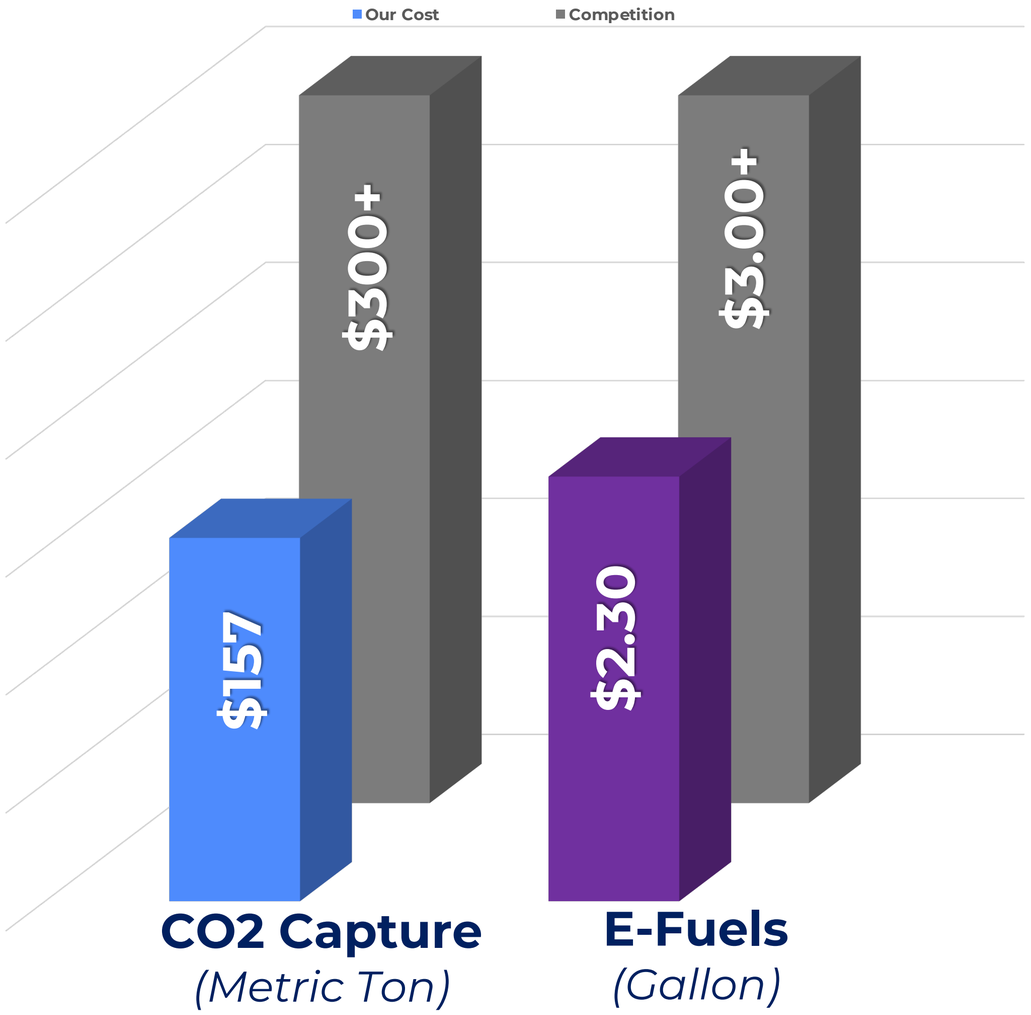
Our projected production costs are competitive & our business model provides customer flexibility



REVENUE STREAMS	PRODUCT CATEGORY	MARGIN PROFILE
Offtake Agreements	Commercial Gases	60%
	Fuels	30%
	Materials	40%
Hardware Leasing	Annual Agreement*	<4 Yr Payback Period
	Software + Diagnostics	80%

* Hardware lease + O&M agreement

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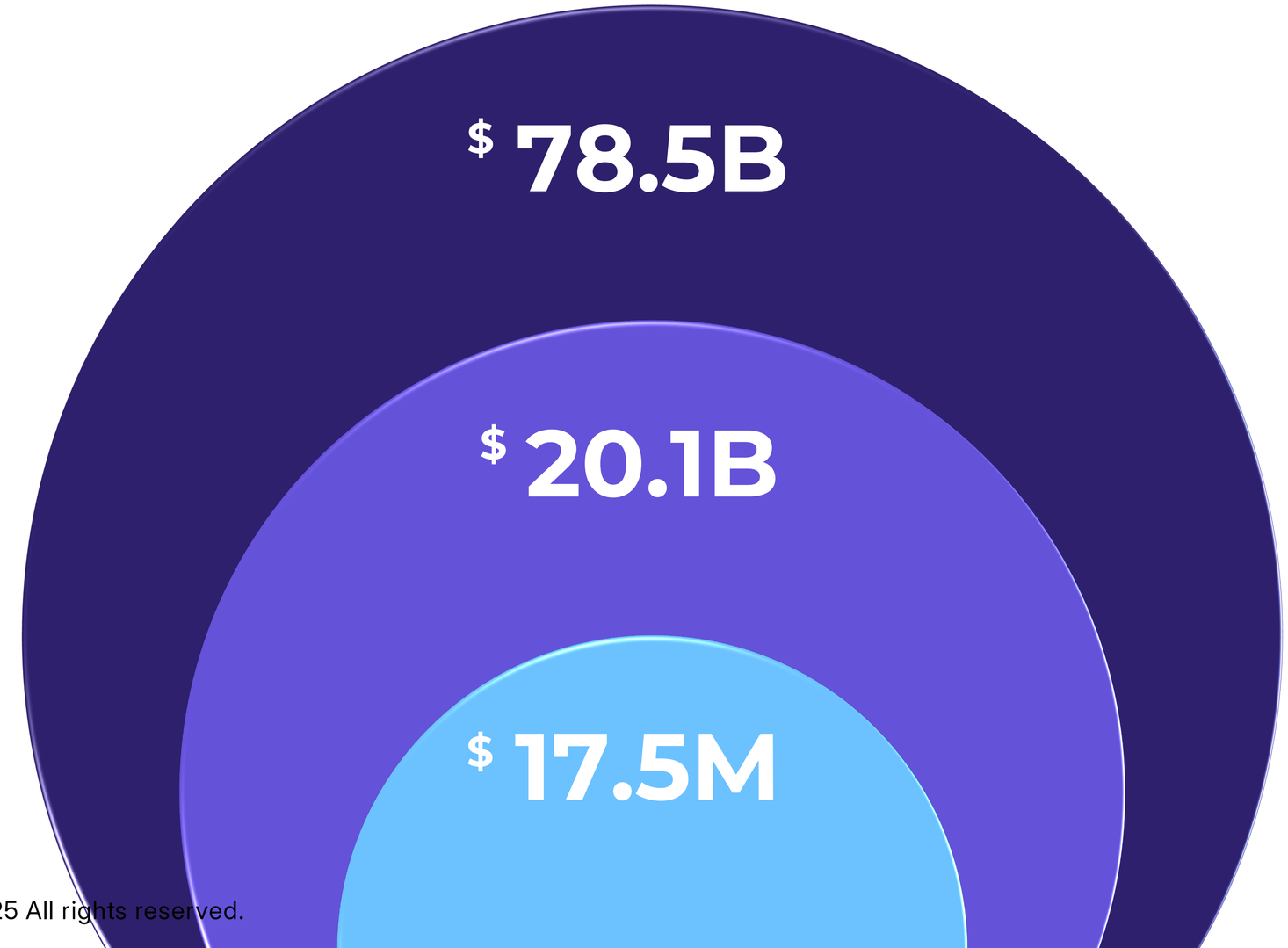
Carbon-to-Value creation is a $78B+ opportunity



Global Segment	$ Size	CAGR
Commercial Gases:		
Commercial CO2:	$11B	5.1%
Industrial O2:	$14.7B	7.8%
Renewable Fuels:		
Methanol:	$38.5B	9.1%
SAF:	$5.4B	55%
Carbon Fiber:	$7.5B	10.9%
Carbon Credits:	$1.4B	34.6%

U.S. Market

15-to-28% of target markets

Our 5-Year Revenue Target

Early beachhead focus:

- *Engineering services contracts*
- *Gas offtake agreements*
- *Fuel systems integration*
- *Defense contracts – Carbon Fiber*

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Mission-driven technologists building the infrastructure we wish existed

Jay Foster, CEO

MBA

Sales leader at NJOY, acquired for $3.25B

Steve Atkins, CTO

B.S/ME E.E, M A.Phys

Inventor of DAC & Conversion systems

Steve Miller, COO

BS M.E., MBA

Extensive DoD experience securing millions in funding

Brandon Doss, Chemist

BS Chem., MS P.Chem

Expert in boutique fuel synthesis & chemistry

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2025 traction: Preparing for commercial launch

1st U.S. Patent Issued

Intl. filing completed.
(2) pending patents

Pilot Site Expansion

1. ***DAC***
2. ***CO2-to-Fuels***
3. ***CO2-to-Materials***

Customer Validation

2-Yr contract,
Multiple NDAs / LOI's

Q1, 2026 Goals

Paid pilots

- eMethanol / SAF
- DAC

$3M Seed Round

- 50% - Operations
- 30% - Talent
- 20% - SG&A

$550,000 in funding support

NSF Futures Engine in the Southwest · ARIZONA COMMERCE AUTHORITY · AFRL THE AIR FORCE RESEARCH LABORATORY · Shell GameChanger · CLEAN TECH OPEN · THE UNIVERSITY OF ARIZONA CENTER FOR INNOVATION · JETRO Japan External Trade Organization · PLUG AND PLAY

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Closed-loop production of gases, fuels & materials to improve supply resiliency

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TRENDS PRESENTATION

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SV SUMMIT

Trends Presentation

Stefan Wan

Ventures Associate

Plug and Play

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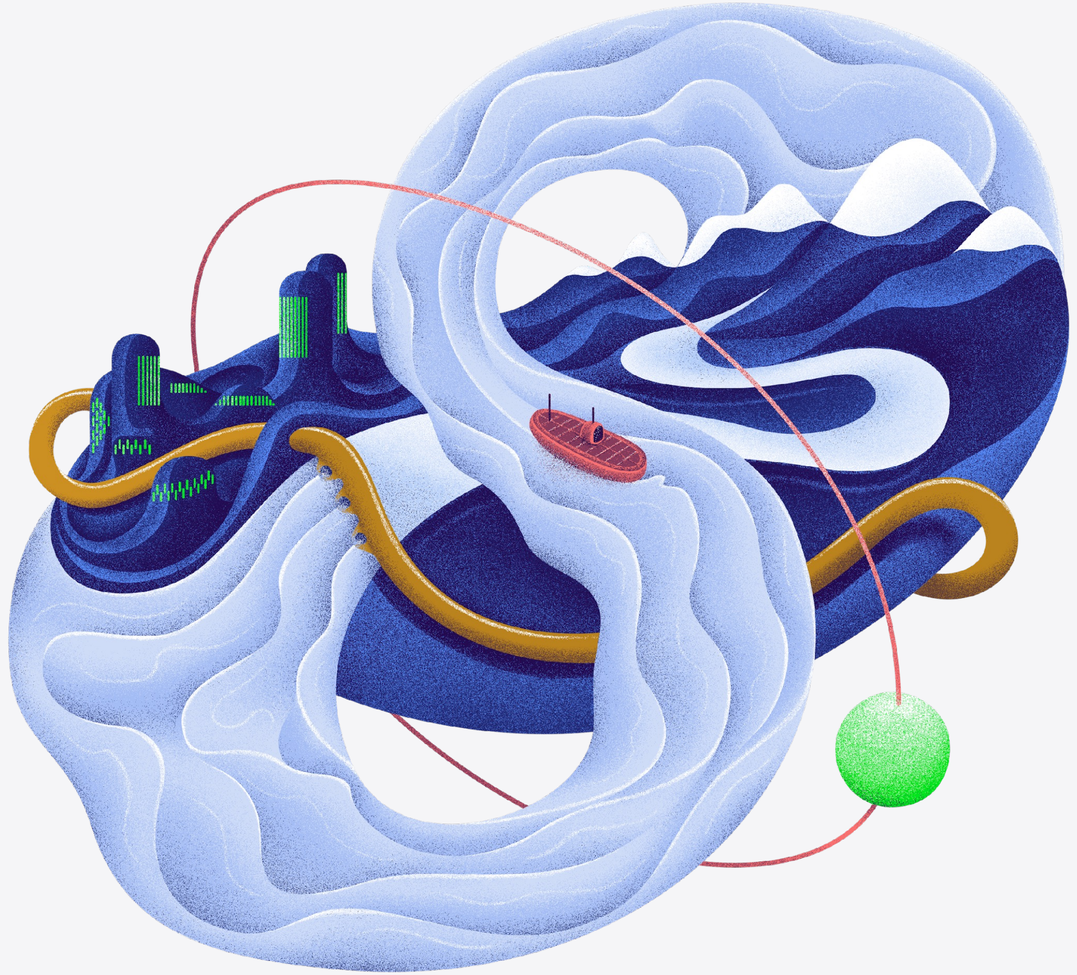
PLUG AND PLAY
SUSTAINABILITY

Sustainability Outlook



Stefan Wan

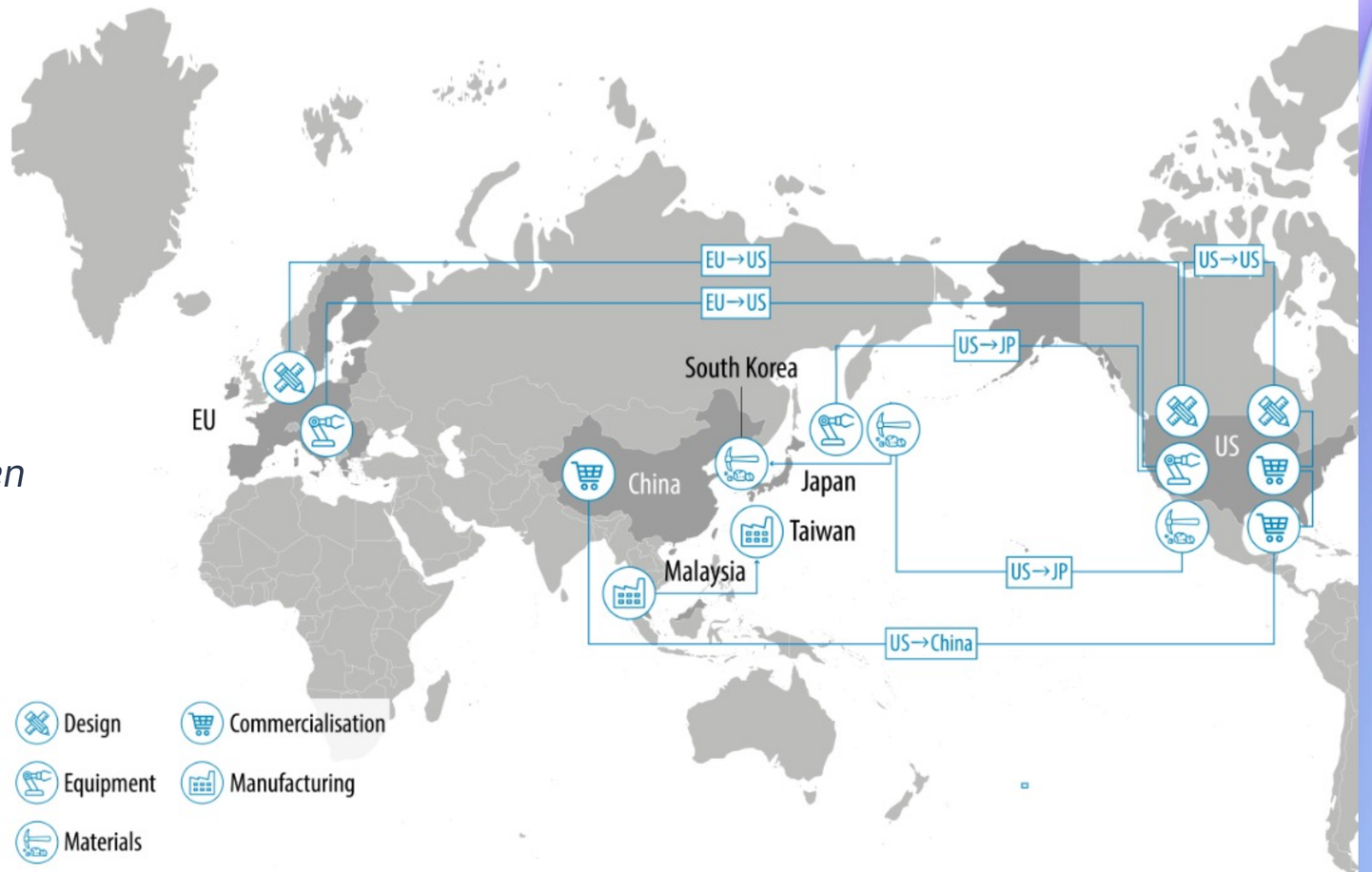
Ventures Associate
s.wan@pnptc.com

Sustainability Outlook

1. WHAT DOES RESILIENCE MEAN?
2. THE ECONOMIC CASE FOR SUSTAINABILITY

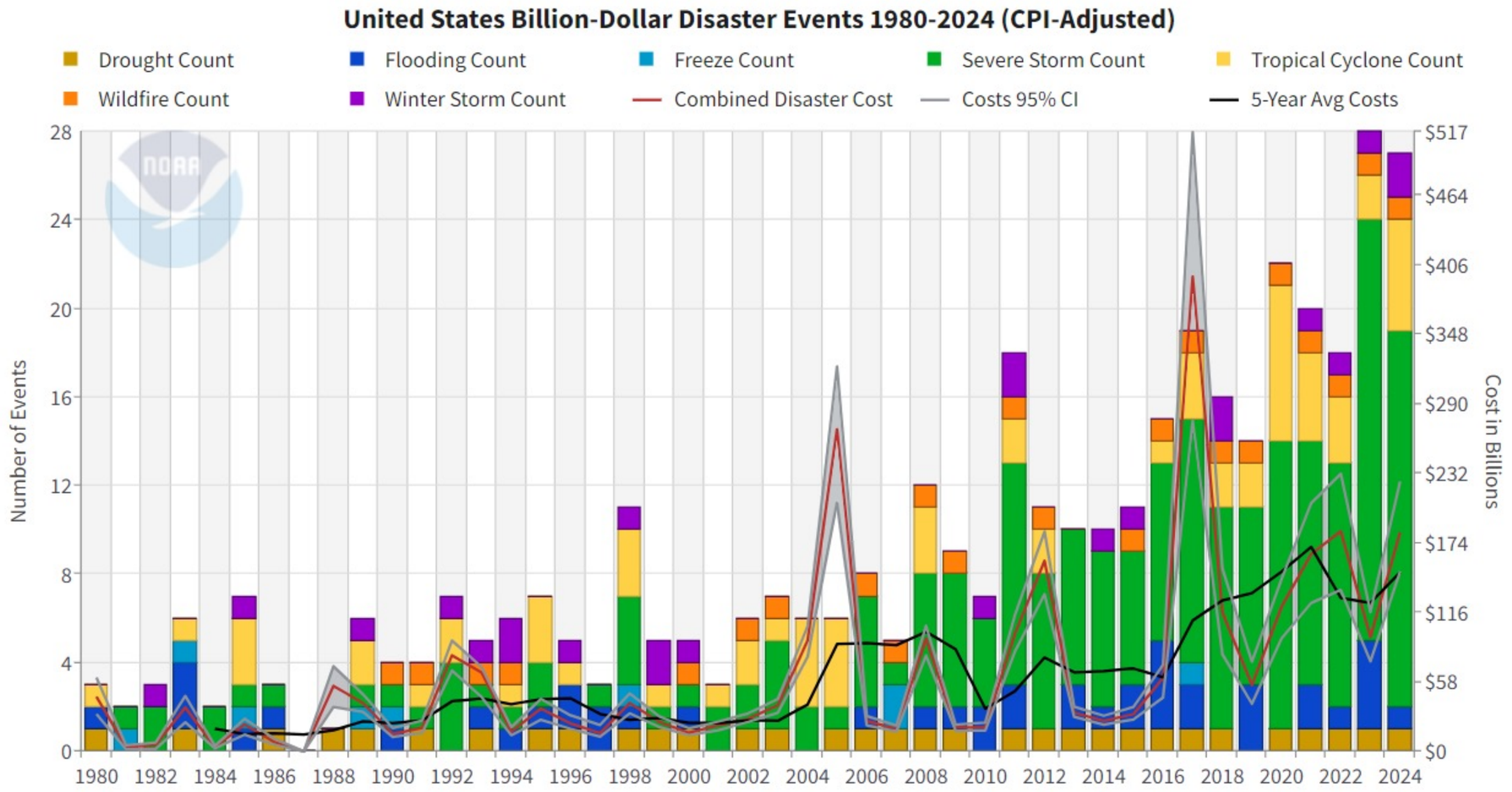
Resilience: Supply Chain Globalization

The semiconductor supply chain requires global cooperation between Europe, Asia, and North America.



Source: EPRS

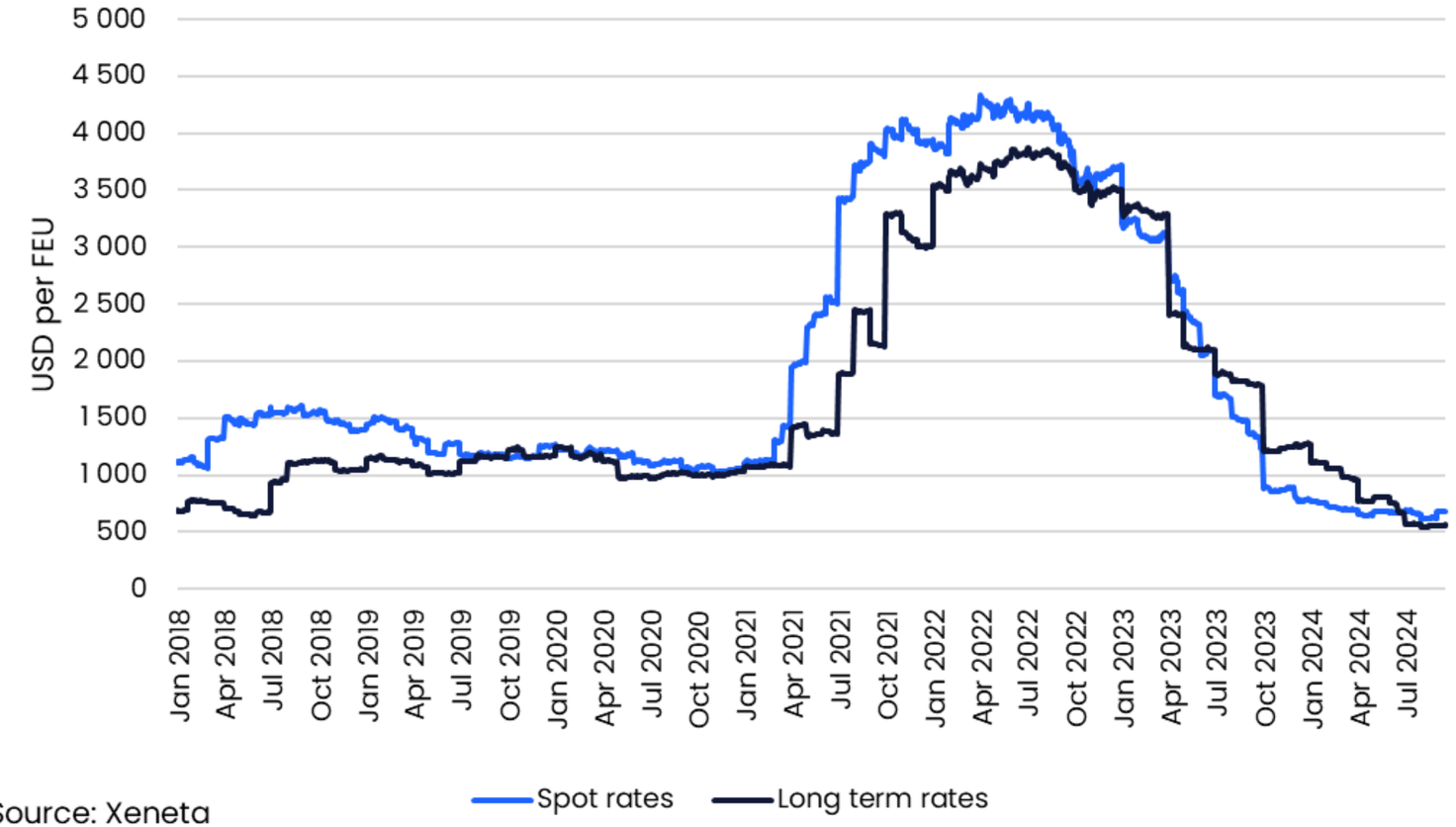
Resilience: Climate Volatility



Source: NOAA

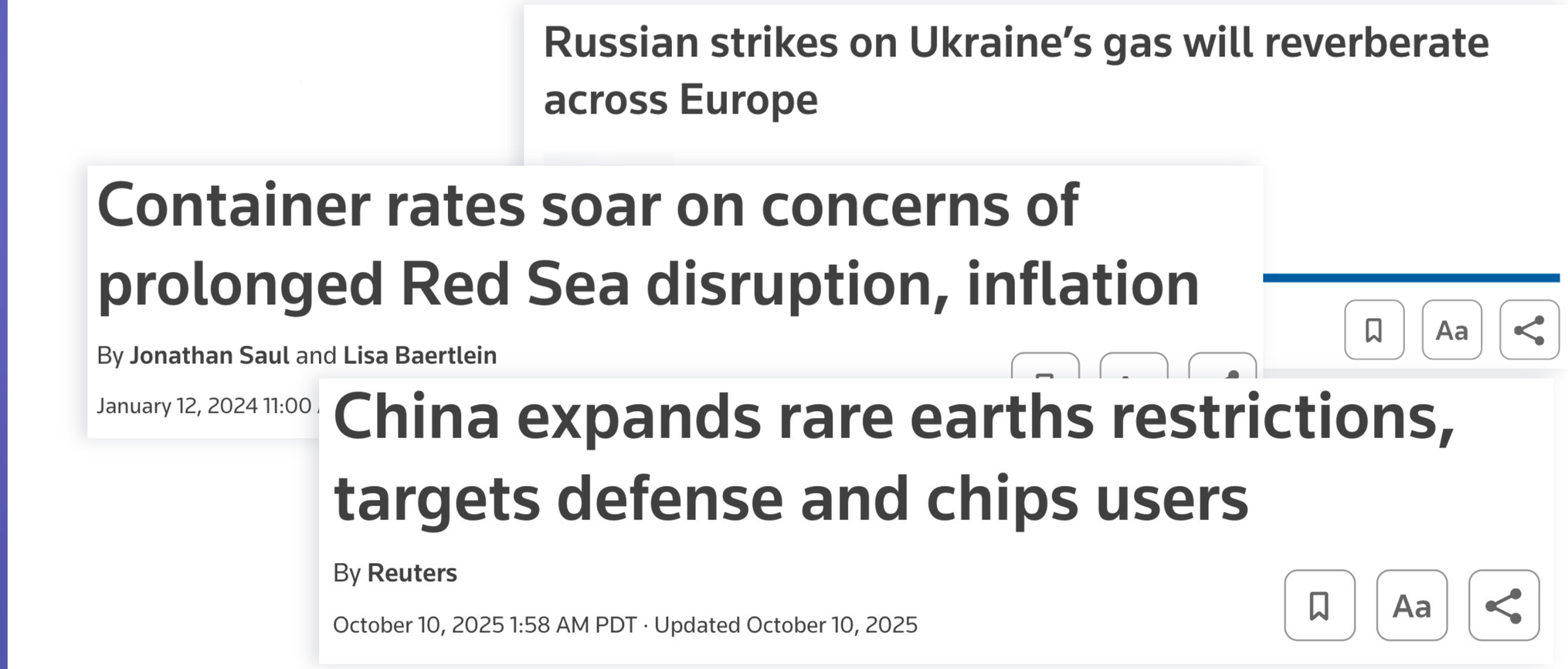
Resilience: Pandemic-Era Scars

Global shipping rates spiked during the pandemic.



Source: Xeneta

Resilience: Geopolitical Tensions

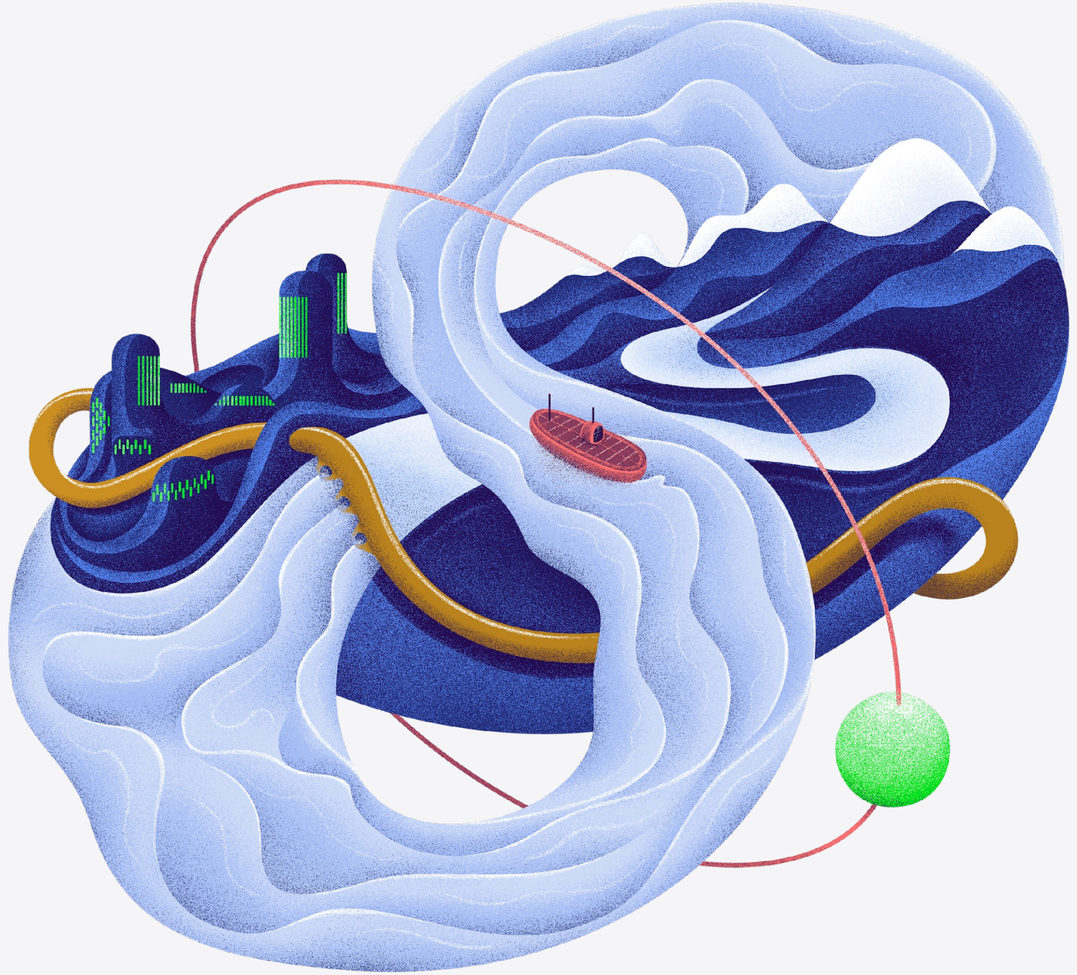


The Economic Case for Sustainability

1. **INDUSTRIAL MANUFACTURING:** HOW WE MAKE THE GOODS AND RAW MATERIALS WE USE EVERY DAY
2. **FOOD & LAND USE:** HOW WE GROW THE NUTRIENTS AND RESOURCES THAT GIVE US LIFE
3. **ENERGY:** HOW WE GENERATE THE ELECTRONS AND FUELS THAT POWER US

PLUG AND PLAY
SUSTAINABILITY

Thank you!



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SERENITY POWER

Serenity Power

Driving clean energy solutions with advanced solid oxide fuel cells.

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SERENITY POWER

PLUG AND PLAY

TRANSITIONING ENERGY TO A NEW FUTURE | STARTING WITH OIL & GAS

PRESENTED BY: ALEISHA CERNY

INTERNAL COMBUSTION ENGINES

DIESEL & NATURAL GAS COMBUSION:

1 **INEFFICIENT**

2 **EXPENSIVE**

3 **POLLUTING**

DO NOT MEET NET-ZERO GOALS.
NO VIABLE ALTERNATIVE – **UNTIL NOW**

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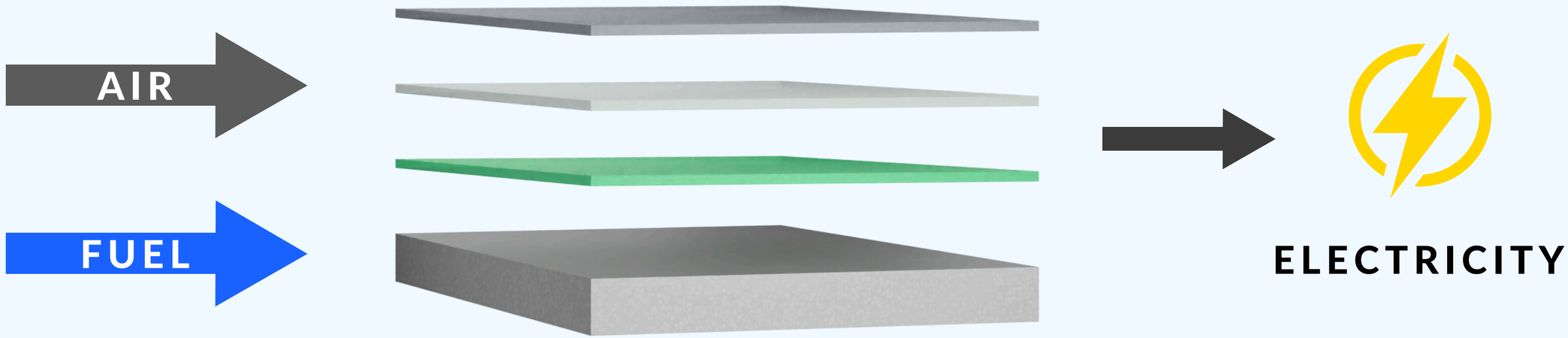
SERENITY'S SOLID OXIDE FUEL CELLS

SERENITY

FUEL + OXYGEN = LOW-EMISSION POWER



Natural gas, hydrogen, biogas, blends

- 60% EFFICIENCY
- AFFORDABLE
- FUEL FLEXIBLE
- LOW EMISSIONS & NOISE FREE

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WE ENABLE NATURAL GAS AS A DECARBONIZATION PATHWAY TOWARDS A GREEN HYDROGEN ECONOMY

<$0.15/KWH; 52-60% CO_2 REDUCTION

USING NATURAL GAS

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NEW INNOVATIONS = NEW APPLICATIONS

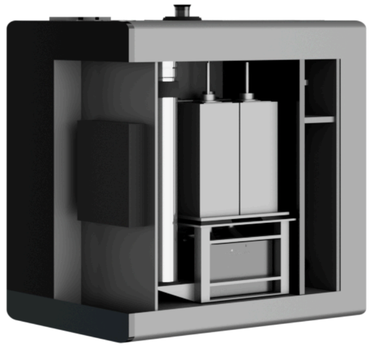
SERENITY

CONVENTIONAL TECH

SLOW, LARGE, HEAVY, EXPENSIVE

SERENITY TECH

1. **12X** FASTER START-UP
2. **20X** MORE COMPACT
3. **10X** MORE COST-EFFECTIVE



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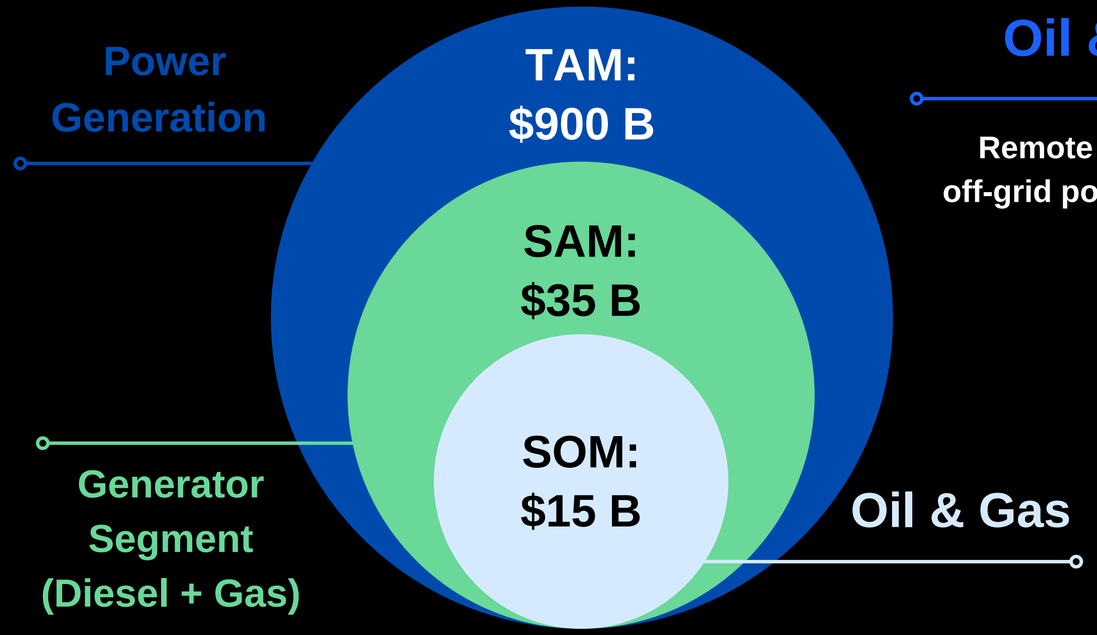
A PLATFORM TECHNOLOGY

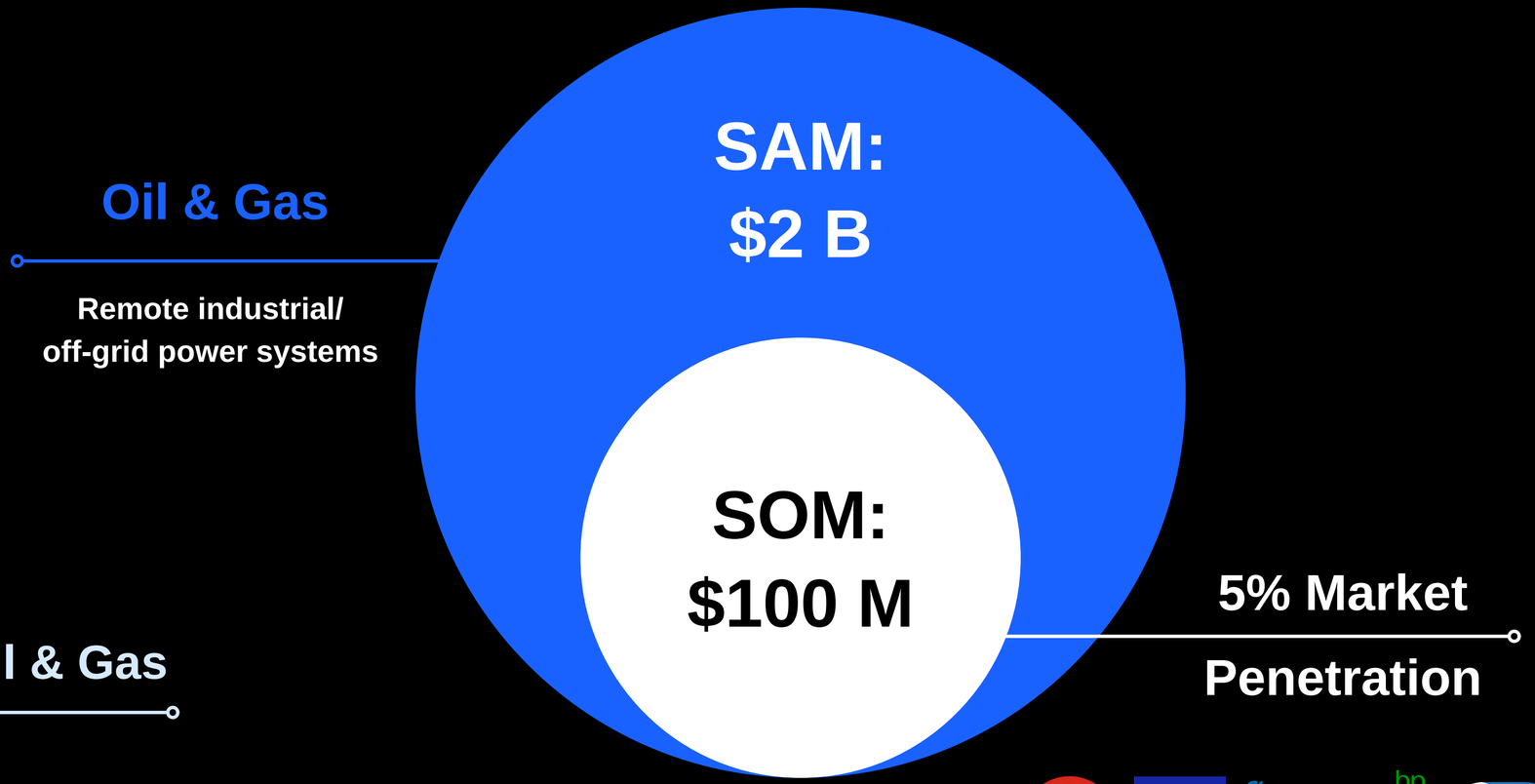
SERENITY

$ AMOUNTS IN USD

GLOBAL MARKET VISION



GO–TO–MARKET



PROJECTION: 2030

CLEANER POWER, CLEAR RETURNS

SERENITY

PRODUCTS

1. SPX 1.0 (<5 kW)

2. SPX 2.0 (<500 kW)

BUSINESS MODEL

GO-TO-MARKET: B2B

01 DIRECT UNIT SALES

LOOKING AHEAD

02 POWER-AS-A-SERVICE

REVENUE

CUSTOMER SAVES: ~30-50% OPEX ~50-60% LOWER EMISSIONS

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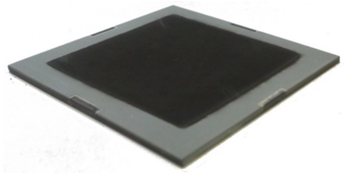
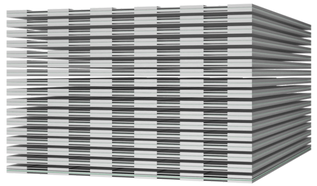
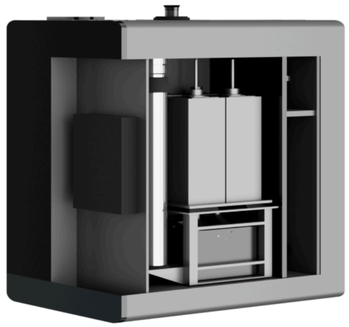
12 MONTH PLAN: MVP + PILOTS

SERENITY

CELL SCALE UP	STACKING	SYSTEM	PILOT TESTING
NOW			SUMMER 2026
			Onsite Oil & Gas Fields
10 x 10 CM	100 W STACK	100 W SYSTEM	NGIF ACCELERATOR LAGASCO [ITALIAN GAS COMPANY]

$500 K DILUTIVE + $500 K NON-DILUTIVE

$300 K GRANTS ✓ | 1 PROVISIONAL FILED ✓ | 5+ LETTERS OF INTENT ✓

30% THROUGH RAISE

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FULL–TIME FOUNDING TEAM

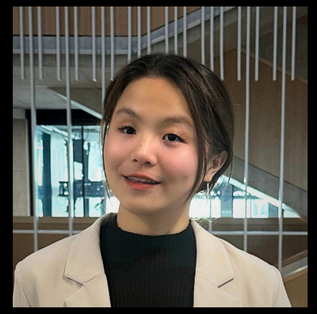
SERENITY

ALEISHA CERNY, M.A.SC

CEO

DR. YIFEI YAN, PH.D

CTO



YVONNE LIU, M.ENG

COO

ADVISORY

JOSEPH CARGNELLI, MASC

FUEL CELL COMMERCIALIZATION & MANUFACTURING

HYDROGENICS

LINDA DRISDELLE, PENG

PROCESS ENGINEER & HYDROGEN

Linde PINCHIN

BRYAN DURATE, P.ENG

CLEAN TECH & ENERGY EIR, VC

ENBRIDGE ALTITUDE ACCELERATOR

W. JAMES POWELL, MBA

OIL & GAS / HYDROGEN

ATCO Gas

RYAN GILLIAM, PHD

CLEAN TECH FOUNDER & VC

fortera VERDAGY

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THE VISION: $900 B OPPORTUNITY

SERENITY

REPLACE ALL DIESEL | CLEAN, REMOTE POWER GENERATION ACROSS INDUSTRIES

DATA CENTRES

MICROGRIDS

ENTERTAINMENT

PORTS

+ MINING, CONSTRUCTION, FOOD TRUCKS, FILM/TV, REMOTE COMMUNITIES, EMERGENCY RELIEF

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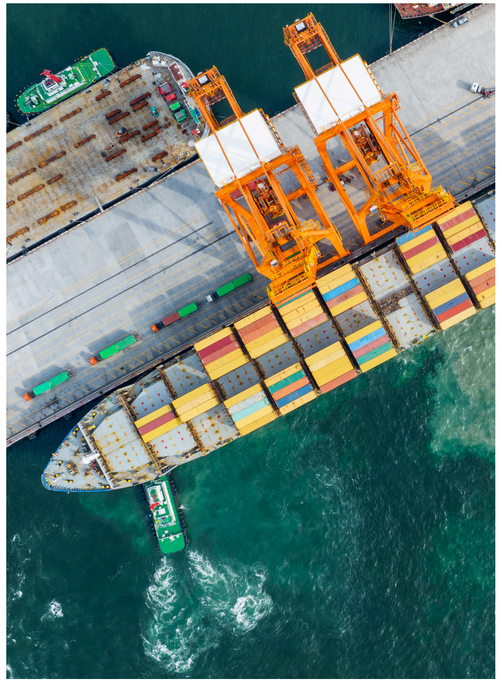
serenitypower.ca

SERENITY

WE'RE RAISING $500 K LET'S CHAT



Aleisha Cerny
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Telephone
+1 778 918 1654

UNIVERSITY OF TORONTO · ALTITUDE ACCELERATOR · RXN · Toronto Metropolitan University · CLEAN ENERGY zone · SCIENCE DISCOVERY ZONE · PLUG AND PLAY SUSTAINABILITY

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STARTUP PRESENTATION

Chemshift Technologies

When Refining Meets Clarity, Value Follows

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Join us at **pnptc.com**

Chemshift Technologies Introduction

November 2025

CHEMSHIFT Technologies

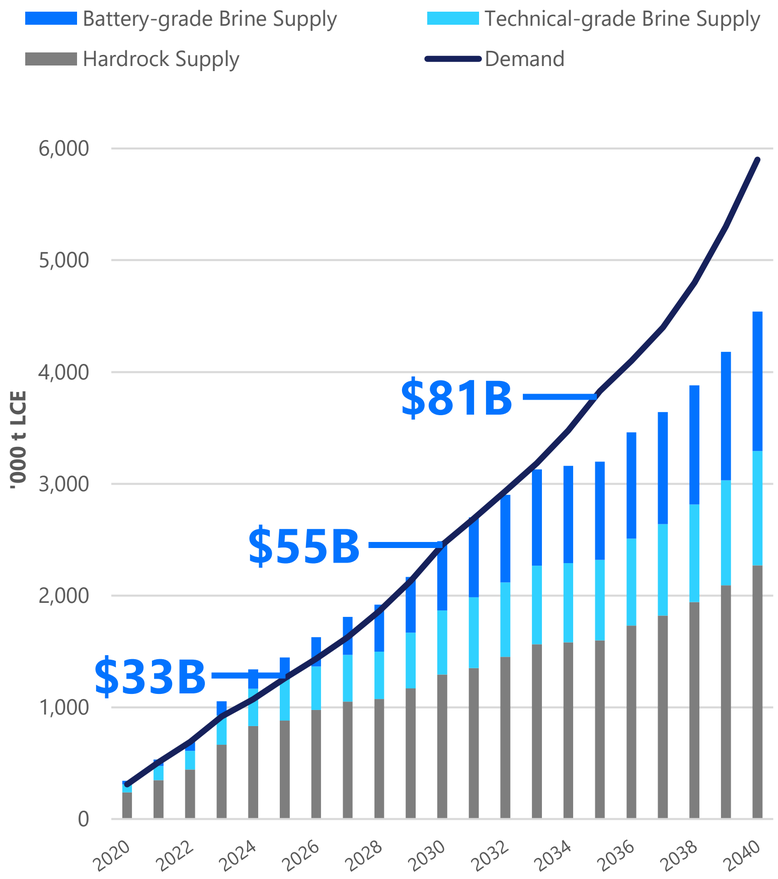
Introduction to Lithium: Applications, Market, and Demand

Use Cases (2025)

10%

90%

Market



North American Demand

Gigafactory Build Out

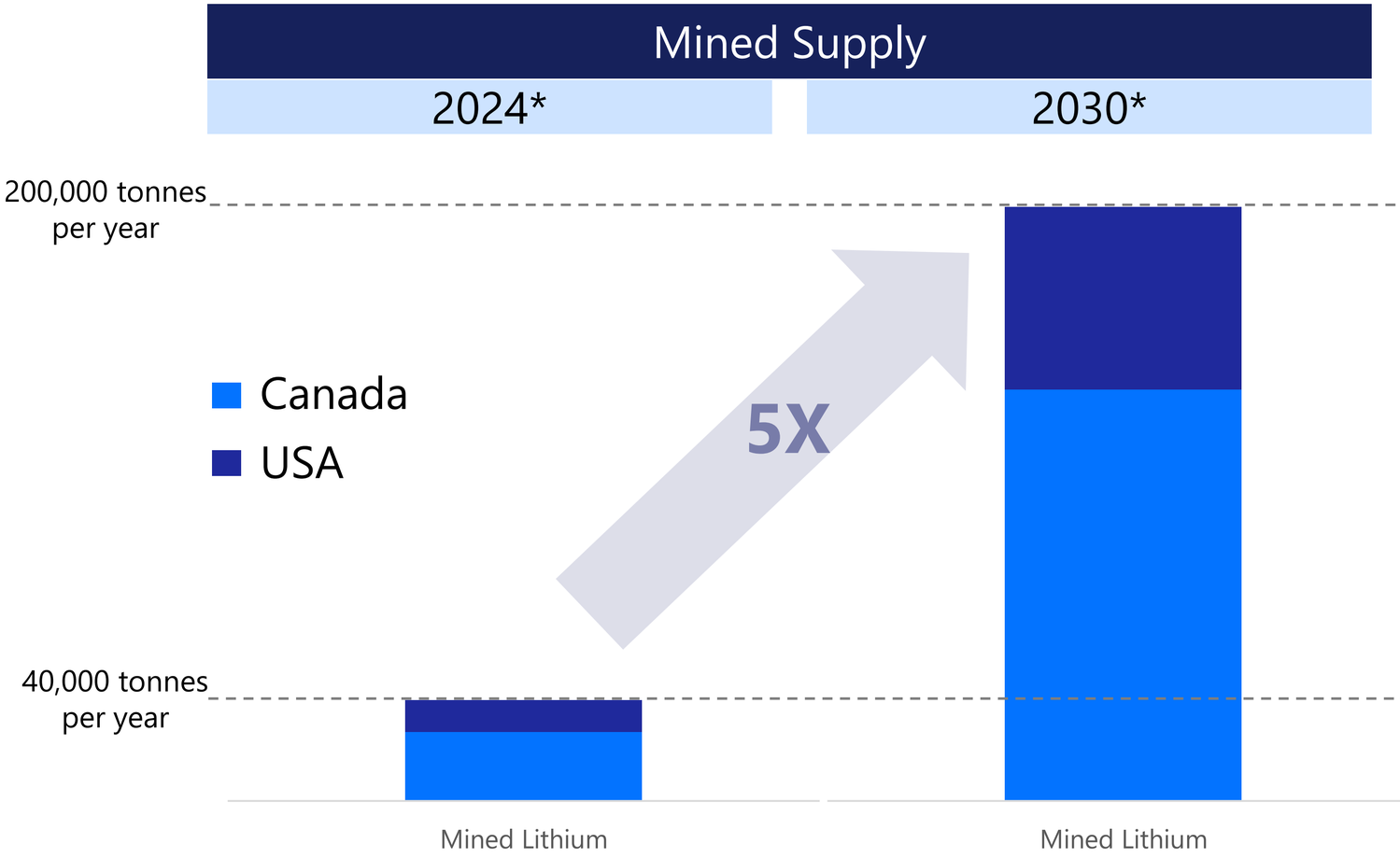
1. Assumes market demand forecast as published by Statista 2024; assumes $22/kg long-term market price

CHEMSHIFT TECHNOLOGIES CONFIDENTIAL

Where Does Lithium Come From?

Primarily hard rock, sedimentary, and brine resources.

Currently, Canada and the USA contribute only a small fraction of global supply - but by 2030, North America is projected to become a significant producer.



*Created using data from IEA (2025), Critical Minerals Data Explorer, IEA, Paris, https://www.iea.org/data-and-statistics/data-tools/critical-minerals-data-explorer, Licence: CC BY 4.0 and data from Fastmarkets conference June 2025.

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Strong Local Supply Growth Means We're Covered…Right?

Not quite.

Lithium for batteries needs to be ultra high purity (>99.5%), which is hard to achieve at a mine site

Most product is a spodumene concentrate (basically crushed rock)

Most product is "technical grade" or "crude"

Most product is "technical grade" or "crude"

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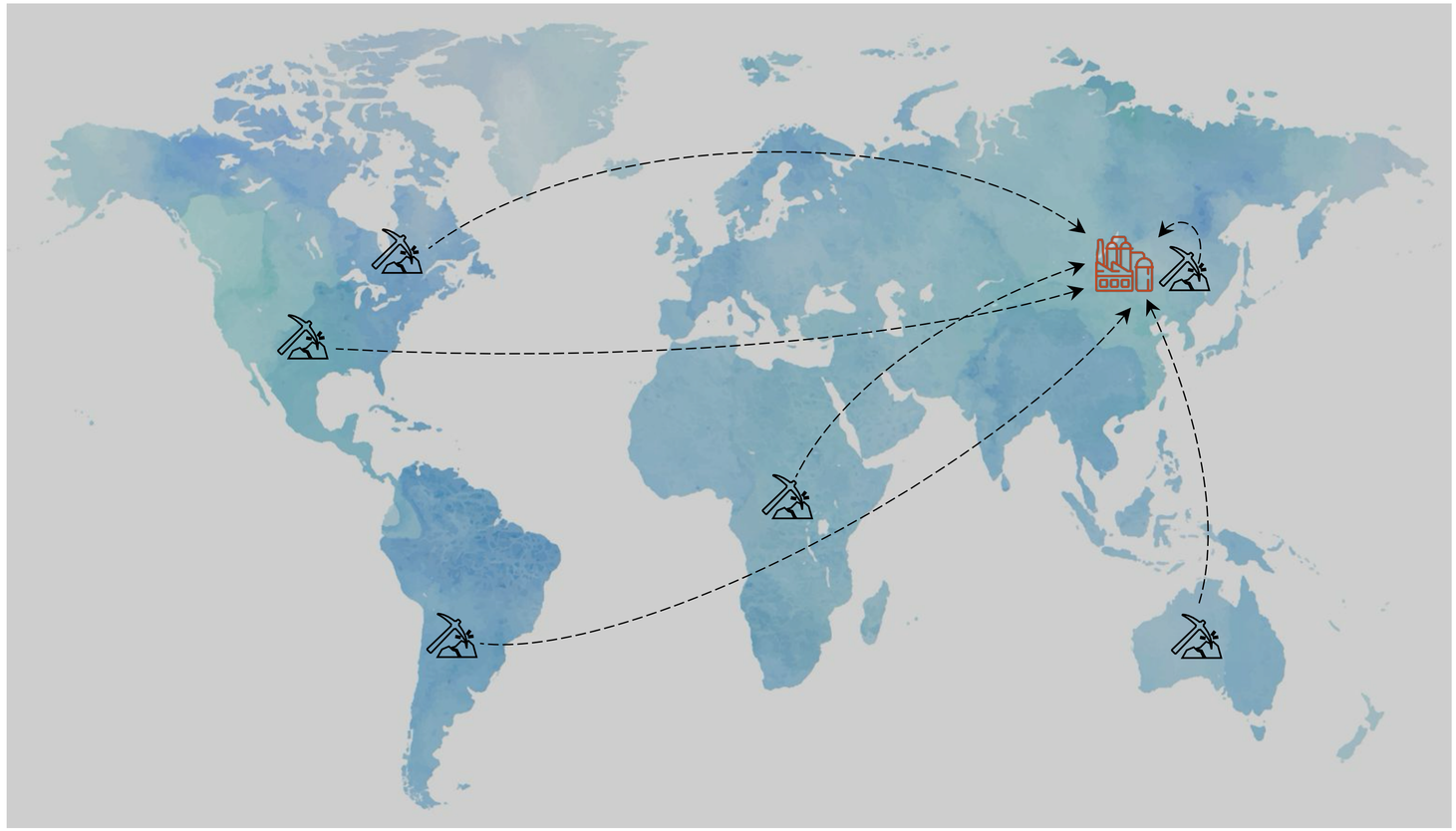
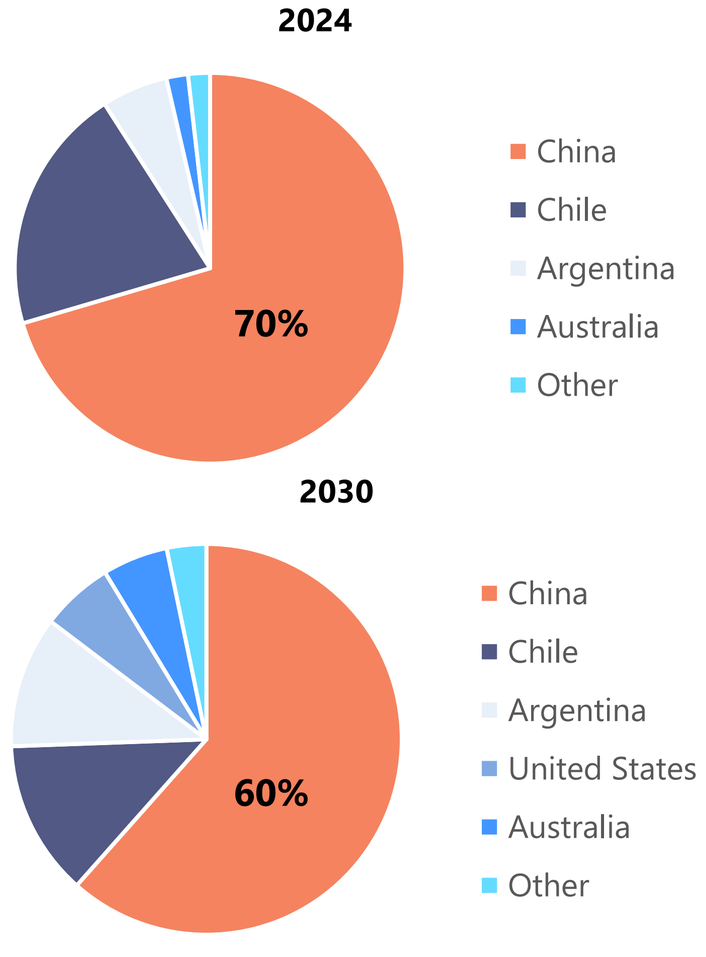
So Where Do We Get Our “Ultra-Pure” Lithium?

China currently **dominates global refining capacity**, shaping the flow of battery-grade lithium and the broader battery ecosystem.



Refined Lithium*



*Created using data from IEA (2025), Critical Minerals Data Explorer, IEA, Paris, https://www.iea.org/data-and-statistics/data-tools/critical-minerals-data-explorer, Licence: CC BY 4.0.

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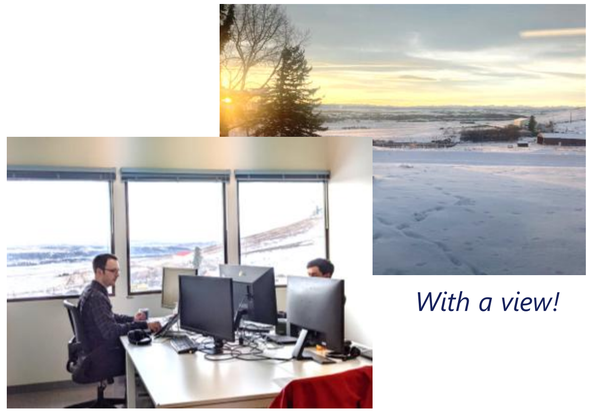
Say Hello to Chemshift

A Canadian cleantech business striving to transform the **North American lithium** value chain.

Building



Office

With a view!

Laboratory

Workshop

Founded
April 2024

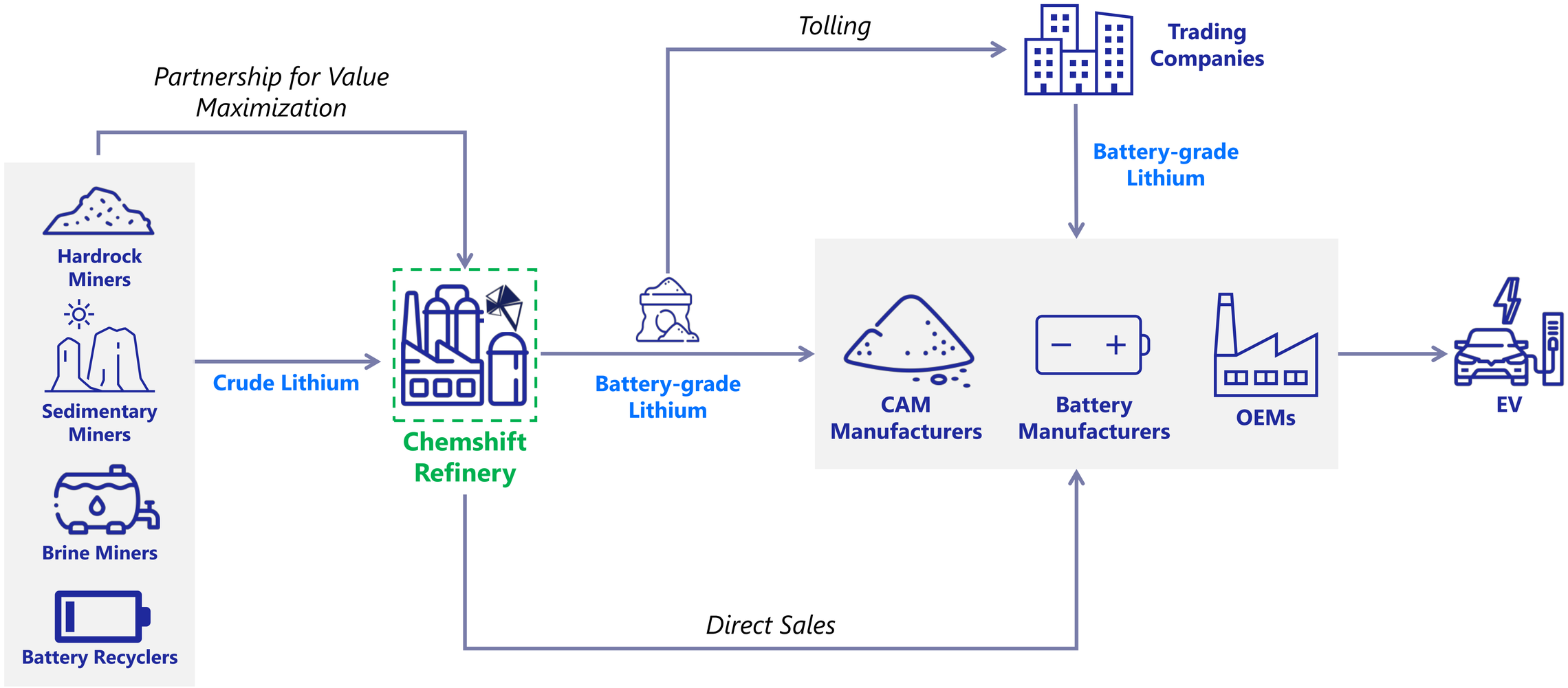
Headquartered in
Calgary, Alberta, Canada

~US$ 370k
raised-to-date in non-dilutive + dilutive funds

Developing innovative refining technology to produce **low-cost, environmentally efficient, locally-made battery-grade lithium**

CHEMSHIFT TECHNOLOGIES CONFIDENTIAL

We're Building Out Central Refining Capacity in North America



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We Have the People and Technology to Execute

Team

Every functional area covered with domain experts

Core Team

Drew Moxon
CEO & Founder
BSc, Chemical Engineering
BComm, Finance

Tyler Barry
Product Development
BASc, Mechanical Engineering
BSc, Physics Major, Math Minor

Dr. Braulio Puerta Lombardi
Research & Development
BSc, Chemistry
PhD, Inorganic Chemistry

Amy Wong
Business Operations
BSc, Applied Mathematics
Juris Doctor

Advisors

Anita Natesh
Sales & Marketing
BSc, MBA

George Brindle
Engineering
P. Eng.

Colleen Ham
Human Resources
CPHR

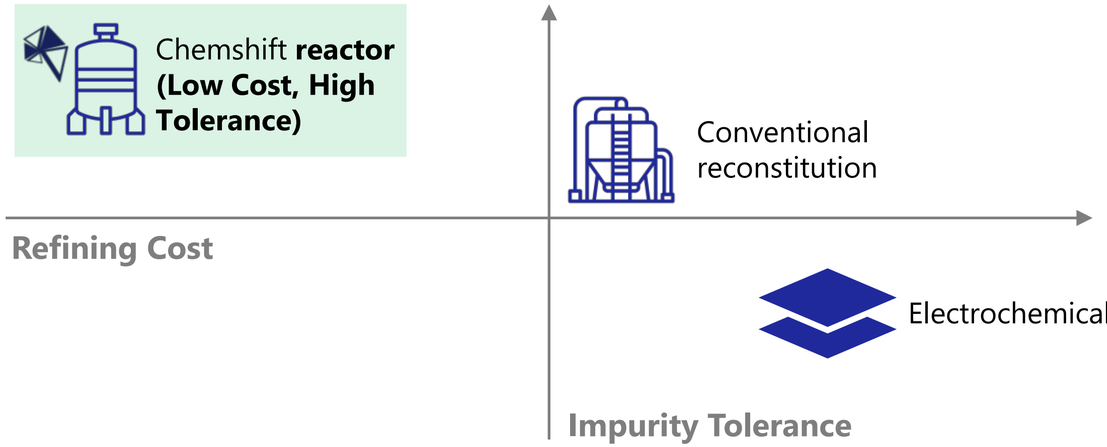
Dr. Kunal Karan
Research & Development
PhD, P. Eng.

Melanie McClare
Commercialization
P. Eng., MBA

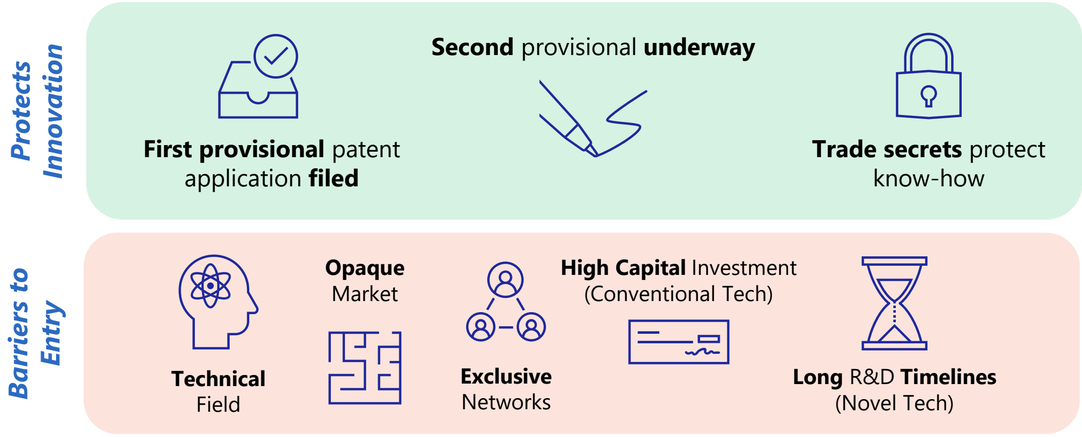
Greg Duerr
Corporate Finance
CPA

Technology

Strategic Positioning



Competitive Moat



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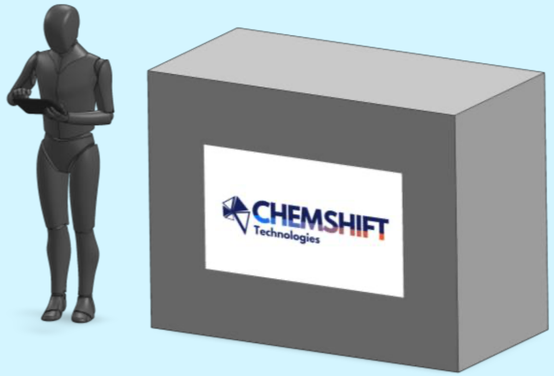
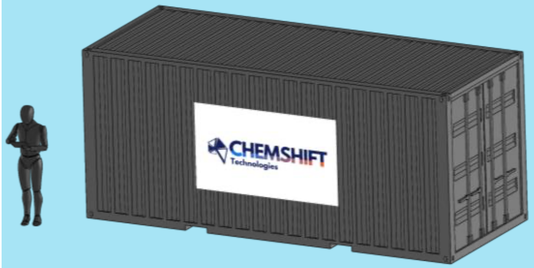
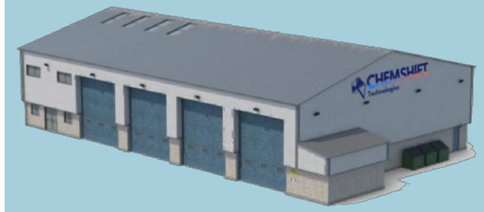
Path to Commercialization

	2024 – 2025		2026 – 2027	2028 – 2030
	V5 Core IP Prototype	V50 Core Basis Module	P50 Integrated Pilot	D2500+ FOAK Plant
Visual				
Capacity	5 t LCE/yr	50 t LCE/yr	50 t LCE/yr	2,500+ t LCE/yr
Status	Fully funded Fully built & operating	Fully funded Build starts Jan 1, 2026	**Starting build in January 2026**	Target FID 2027

CHEMSHIFT TECHNOLOGIES CONFIDENTIAL

Why Are We Here?

To close out our **US$ 1M** pre-seed round

That will fund the proprietary modules in our pilot

To get us one step closer to commercial production

Hardrock Miners

Sedimentary Miners

Brine Miners

Battery Recyclers

3-5 suppliers

(working with 13 today via test program)

Crude Lithium

P50 Integrated Pilot

Battery-grade Lithium

CAM Manufacturers

Battery Manufacturers

OEMs

1-3 buyers

(working with 3 today via test program)

Secure pilot partners

CHEMSHIFT TECHNOLOGIES CONFIDENTIAL

Thank you!

Contact

Drew Moxon, CEO & Founder

drew.moxon@chemshift.com

(587) 434-2300

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STARTUP PRESENTATION

Carba

Low Energy Carbon Dioxide Removal (CDR) and Permanent Storage

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Proven team of innovators turning breakthrough technology into commercial businesses

Dr. Andrew Jones
Co-founder & CEO

Founder of Activated Research Company (successful exit), inventor with 4 patents in carbon measurement, NSF Fellow

Dr. Rich Baker
Chief Operations Officer

Former CTO at Protolabs, 18 patents, led engineering across aerospace, medical and automation

Patricia Loria
SVP Commercial

Former VP at CarbonCapture, ex-Global CCS Institute, deep expertise in CDR policy and commercialization

Prof. Paul Dauenhauer
Co-founder

Prof. of Chemical Engineering at the University of Minnesota, MacArthur ‘Genius’ Fellow, founder of 5 startups

Nick Halla
GigaClimate Builder

CEO of GigaClimate, 1st employee at Impossible Foods, Board Director at Kite Hill, Hoxton Farms, and InnerPlant

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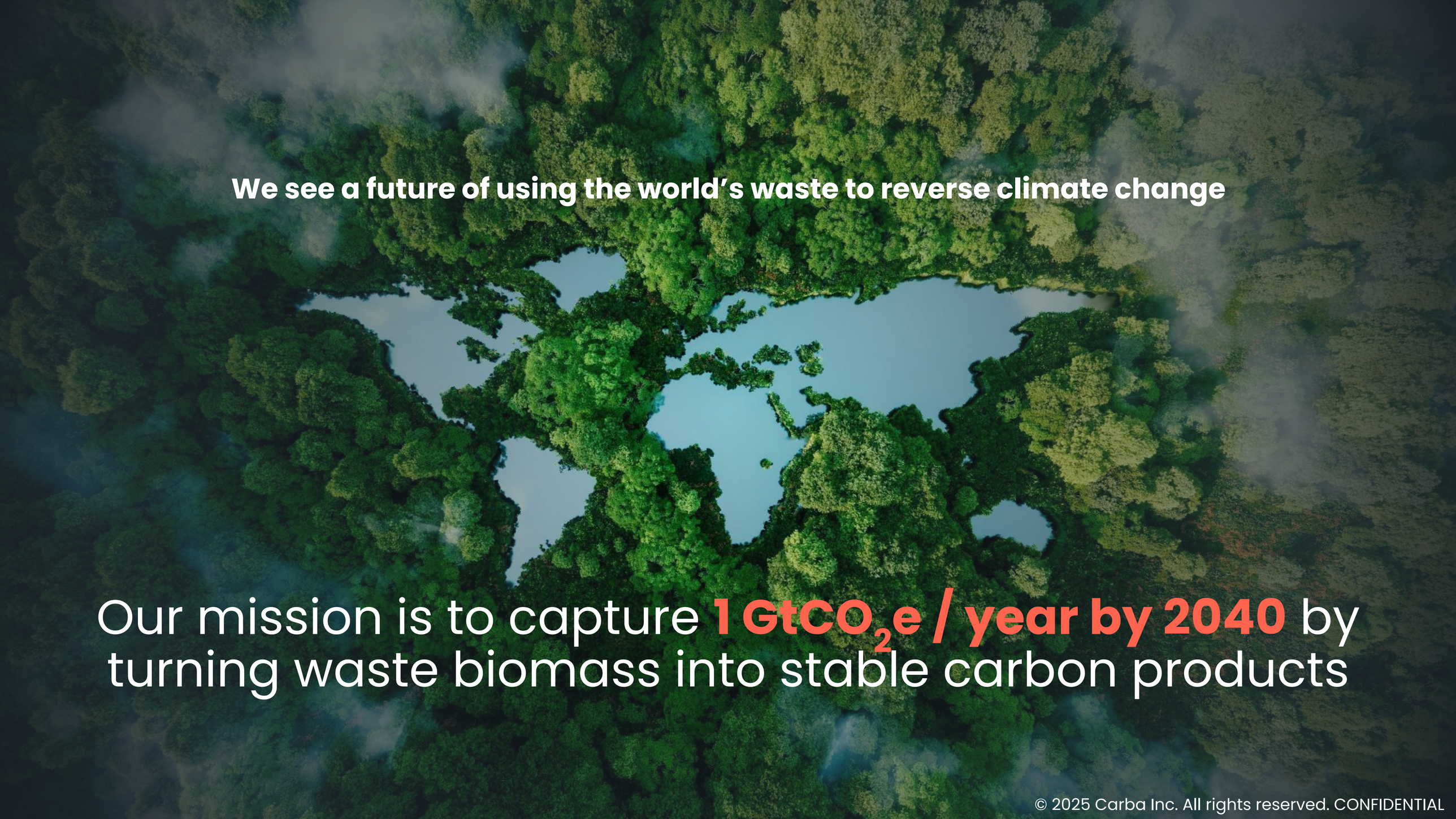

We see a future of using the world's waste to reverse climate change

Our mission is to capture **1 $GtCO_2e$ / year by 2040** by turning waste biomass into stable carbon products

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Carba's Solution: Biocarbon

We use the world's waste to create solid biocarbon for use in industrial materials, permanent carbon removal, and soil amendments to reverse climate change.

1. Source waste biomass
2. Process Into high-yield Biocarbon

Carba IP

3. Productization / burial for Permanent Biocarbon

Carba IP

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Carba's technology advantage: The leading pyrolysis technology and MRV of burial

Pyrolysis Technology

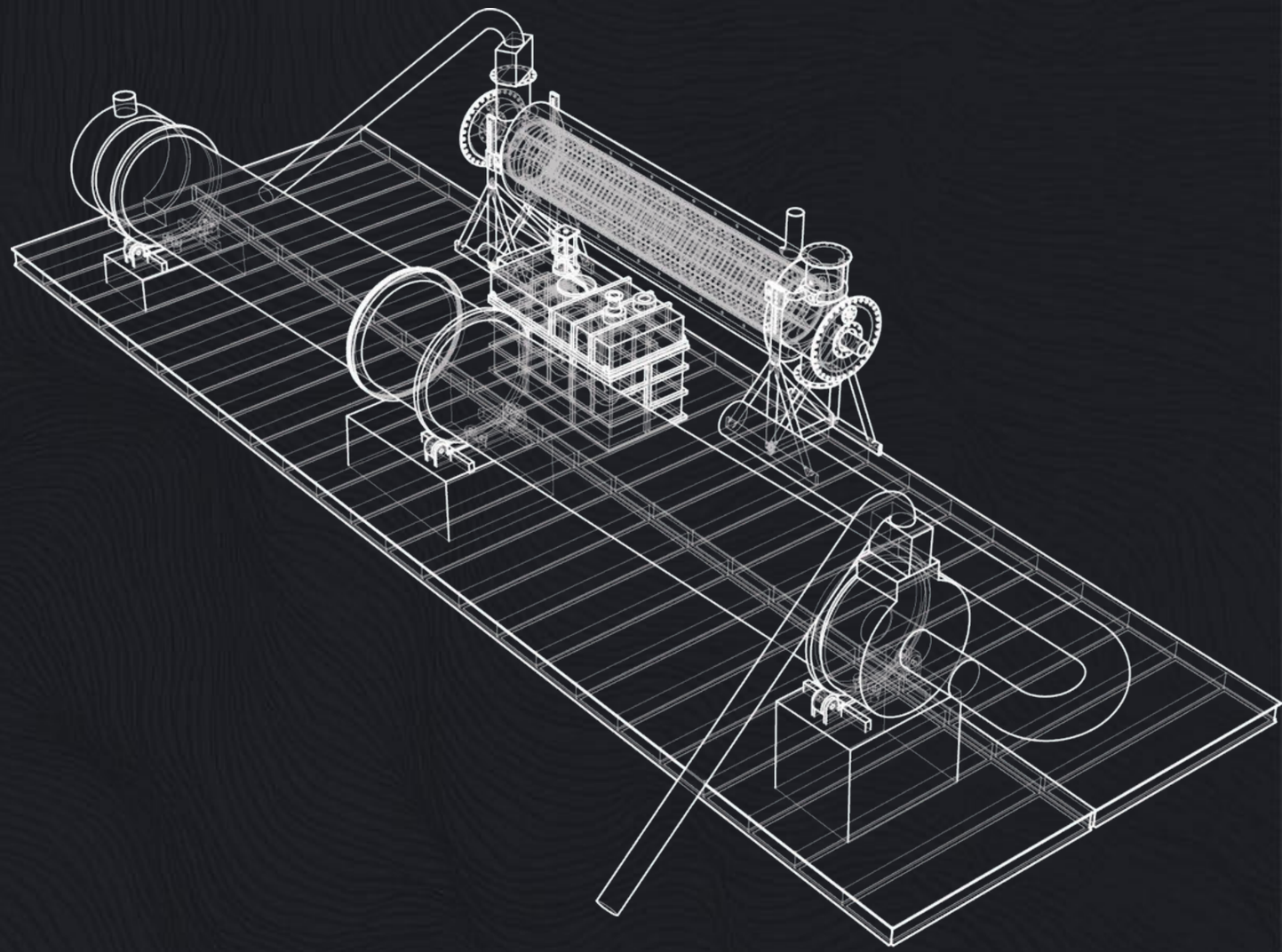
High yield: 60-80% carbon yield*
Modular: 10,000 ton CO_2e/yr (nameplate)
Automation: Realtime reaction automation*
Low Cost: Autothermal during pyrolysis*
Versatile: Feedstock agnostic, 6 in & <40% moisture content

*Carba IP

Burial & MRV Technology

Permanent: 1,000+ year permanence
Measurable: Burial and carbon permanence technology*
Co-benefits: PFAS capture, fugitive methane reduction and pollution control

*Carba IP



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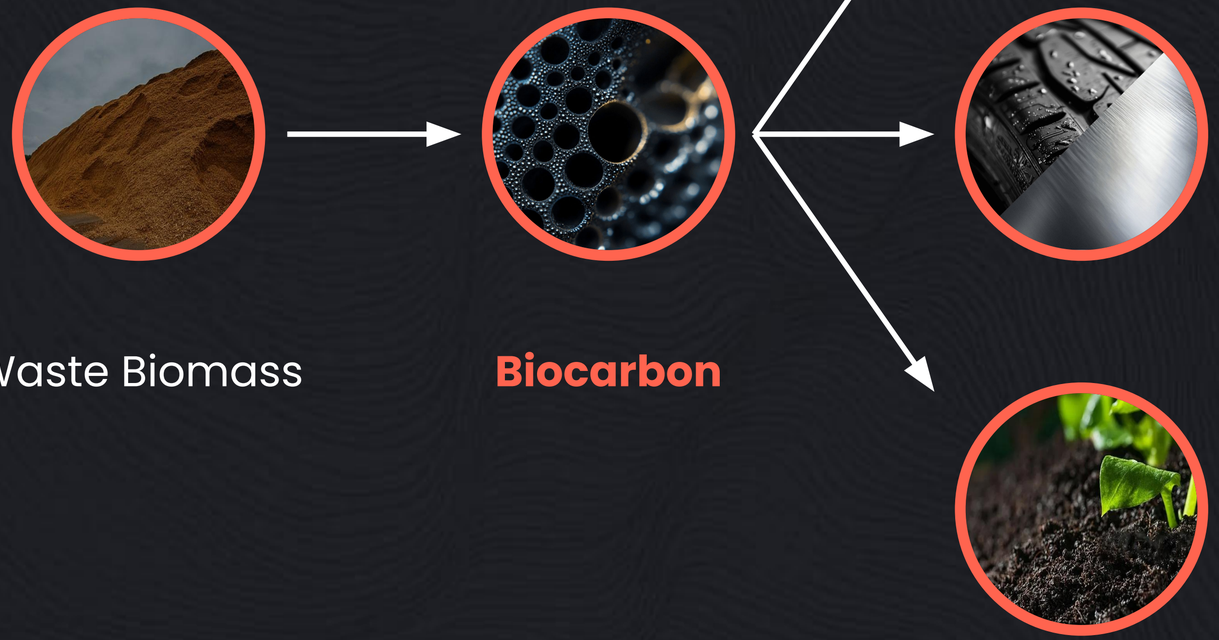
Carba's pyrolysis technology yields products with multiple industrial applications and markets



US TAM 2030

Permanent Burial and Pollution Control[1]

Multiple pathways, starting with application in landfills and moving to abandoned pits and mines

$25B+

Fossil Carbon Replacement[2]

Early R&D development via collaborations and grants for carbon black, coal in steel and carbon in battery replacements

$3.9B+

Soil Amendments[3]

Active market for direct farmer value

$2.7B+

[1] BCG, Climate Needs and Market Demand
[2] Carbon Black Market Outlook
[3] US Soil Amendment Market

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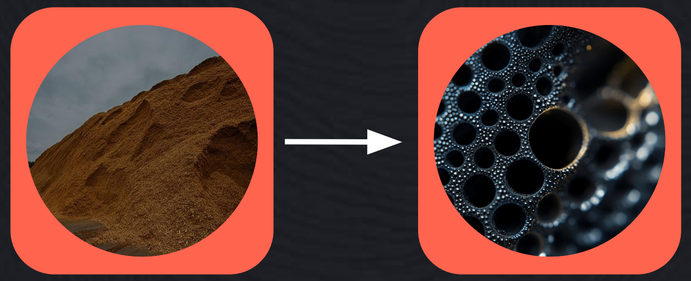
Carba's breakthrough economics: Low capital and operating costs, strong market pricing and margins

Production Cost of Biocarbon

Waste Biomass → **Biocarbon**



$135 – 195/ton of Biocarbon

3 tons of biomass
≈
1 ton of biocarbon
≈
3 tCO_2e

Biocarbon Revenue Pathways

	Burial and Pollution Control	Carbon Materials	Soil Amendments
Sold As	Carbon Credits	Fossil Carbon Replacement	Biochar OR (Carbon Credits)
Market Pricing	$170 - $250/$tCO_2e$	$500 - $1.9k/ton[1]	$400 - 600/ton[2] ($100-$150/$tCO_2e$)[3]
Implied Value	*$530 - $630/ton of biocarbon*	*$500 - $1.9k/ton of biocarbon*	*$300 - $600/ton of biocarbon*

[1]BusinessAnalystIQ, [2]WakefieldBiochar, [3]CDR.FYI,

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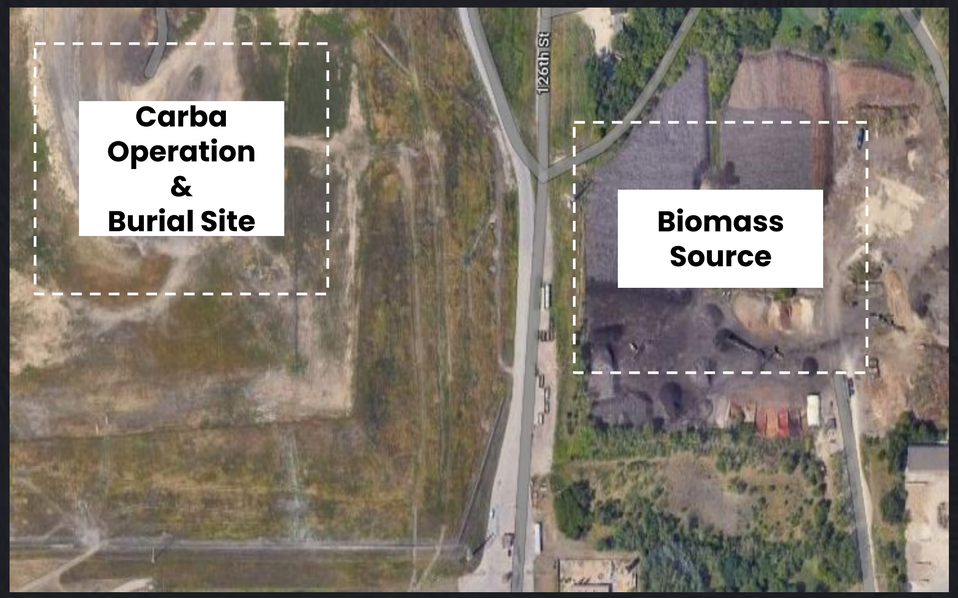
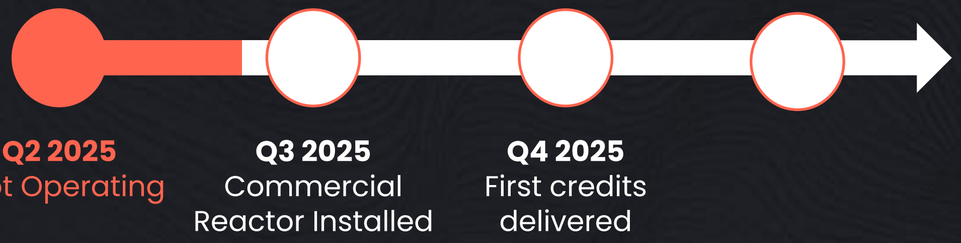
Flagship Project: Scaling from pilot to commercial in 2025

Burnsville, MN Project Site





Operations

- Running daily, converting biomass to biocarbon
- Isometric certified: 1,000-year permanence

Commercial Launch (2025)

- Expanding Burnsville site to commercial scale (Q3 2025)
- Target capacity: 7,000 tCO_2e/year (2025) → 28,000+ tCO_2e/year (2026)

Funding

- $1.6m PRI funding (Schmidt Family Foundation & JLL Foundation)
- Selected for $7M DOE Carbon Negative Shot Grant

Commercial Validation

- **Microsoft signed 5-year 44,000 credit offtake**
- Replicable model across 135+ WM sites

Project Collaborators

ISOMETRIC

WM WASTE MANAGEMENT

Microsoft

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Addressing fugitive methane (CH_4) and forever chemicals (PFAS) in landfills and waste water

Landfill methane accounts for 17.1% of total US methane emissions.[1]

Compost Methane Reduction

For every 1,000 tonnes of biomass diverted from composting,

Carba can **reduce CH_4 emissions by 297 tonnes of CO_2e**[2]

Methane Reduction in Landfills

Biochar in landfill daily cover can reduce CH_4 emissions up to 50%[3].

Carba can address up to **9% of the total CH_4** emissions globally

PFAS Entrapment

Biochar can **reduce PFAS leaching by up to 50%** and groundwater contamination by entrapment and adsorption.[4]

[1]*EPA*, [2]*ACS ES&T*, [3]*Environmental Quality Management*, [4]*ACS ES&T Water*

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Commercial Roadmap: From first reactor to $200M+

Pre-Seed	Seed* (Current)	Series A	Growth
Piloting	**12-18 months**	In 24 months	2030+
Successful Pilot System; Certified with Isometric; Large Buyer Secured; Commercial System Designed	**1st Commercial Site (Burnsville Minnesota); Deliver 1st credits; Strong gross margin; Sell to capacity**	Expand the Twin Cities Metro Project & broader US expansion	Expand burial projects, Enter additional markets (e.g. materials)
Selectee for $7m DOE Carbon Negative Shot Grant	**Revenue: $2-6M Reactors: 1-4 Sites: 1**	Revenue: $13-17M Reactors: 9-12 Sites: 3	Revenue**: $200M+ Reactors: 200+ Sites: 50+

* To fund commercializing one reactor: $1.5m in total financing
* To fund full site with 3 reactors by mid 2026: $5m of capital (equity, project finance, DOE grant)
** Franchise and Owned and Operated business models

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Carba's foundation is set, we are funding for scale

Q4 2024 - Q2 2025 Achievements

- 44,000 ton carbon offtake agreement with Microsoft
- 1,000-year carbon removal protocol with Isometric
- Collaboration agreement with WM
- Selected for $7M Carbon Negative Shot DOE grant
- Secured $1.6M in project financing through a PRI
- Hired an experienced management team

Investment Opportunity

$4M equity funding

- Full scale production at the Burnsville site in 2025 (1 reactor) and preparation for expansion to 3 reactors (project or equity financed).
- Deliver $1.4m revenue run rate by Q1 2026, expanding to $5m+ run rate by Q4 2026.
- Sites 2 and 3 selected for expansion in 2026 and 2027.
- Materials research to prove productization feasibility and sign first materials JDA
- File follow on patents and additional IP protection for Carba

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Climatize

Climatize

Invest in vetted renewable energy projects across the U.S. from just $10

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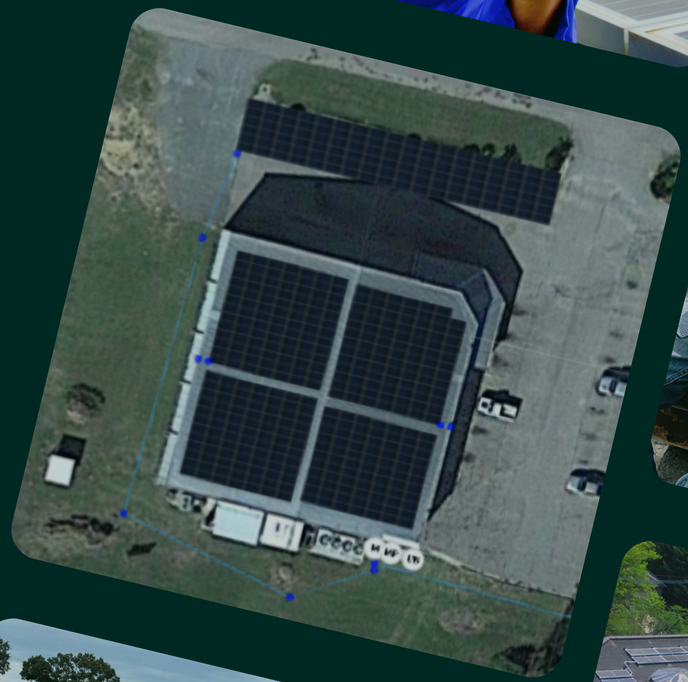

Climatize

Accelerating Capital Deployment at the Intersection of AI x Energy

www.climatize.earth

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The global climate strikes

The catalyst for Climatize

Barcelona, 2019

San Francisco, 2020
Blade Runner 2049
Climate change feels urgent,
but people feel powerless.

Climatize

Welcome to Climatize!

Earn $50

William Wiseman

- Invest
- Portfolio
- Reporting
- Profile

All Activity

Daniel L.
Invested in Solar for Regenerative Almond Farm

Ernest C.
Invested in Solar for La Colombiere

Ernest C.
Invested in Solar for Regenerative Almond Farm

Elijah E.
Invested in Solar for La Colombiere

Jacob B.
Invested in Solar for La

Members	Projects	Amount Raised
2766	27	$12,776,800

Solar for La Colombiere

Baltimore, MD

106%

$484,975 Goal • **$1,000,000** Max

9.75%	5 Year
Annual Interest	Term
$517k	**104**
Funded	Investors

Learn More | Invest

Solar for Regenerative Almond Farm

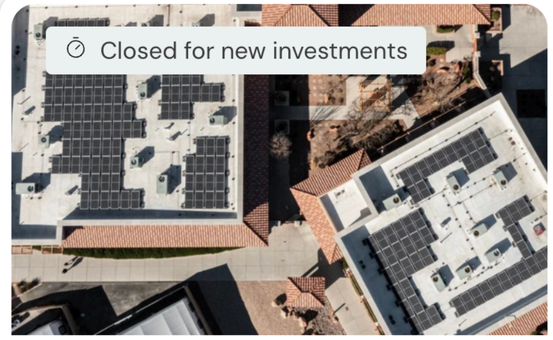
Bakersfield, CA

53%

$387,250 Goal • **$828,750** Max

9.5%	4 Year
Annual Interest	Term
$208k	**62**
Funded	Investors

Learn More | Invest



Solar for Healthcare Facility

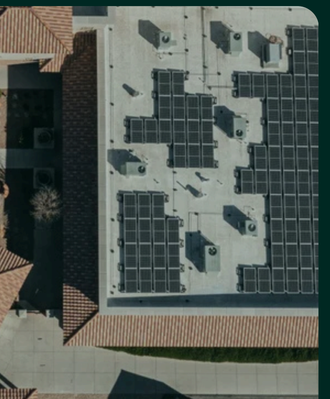
Minneapolis, MN

112%

$531,225 Goal • **$637,225** Max

9.5%	2 Year
Annual Interest	Term
$599k	**136**
Funded	Investors

Learn More | Goal Reached 🎉!



Energy Projects $250k – $5M
Struggle to Raise Capital

Lack of access to institutional debt & equity markets

Lack of aggregation & standardization

High transaction costs

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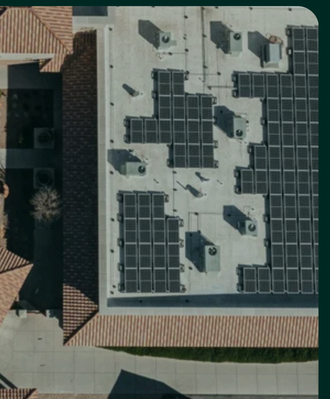

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Climatize

27 projects with 12 developers

+ $12,750,000
invested

+ $3,700,000
capital returned

+ 2,750
investors

0 %
loss rate to date

As of October, 2025

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Closed for new investments

Shifting Gears to Solar

Nashville, GA

99%

$143,380 Goal • **$143,280** Max

10% Annual Interest	**2 Year** Term
$143k Funded	**78** Investors

Learn More

Fully Funded 🎉!

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Solar for Liberty Hill Farms

🇺🇸 **Somerville, TN**

115%

$850,000 Goal • **$980,000** Max

10% Annual Interest	**2 Year** Term
$980k Funded	**98** Investors

Learn More | Fully Funded 🎉!

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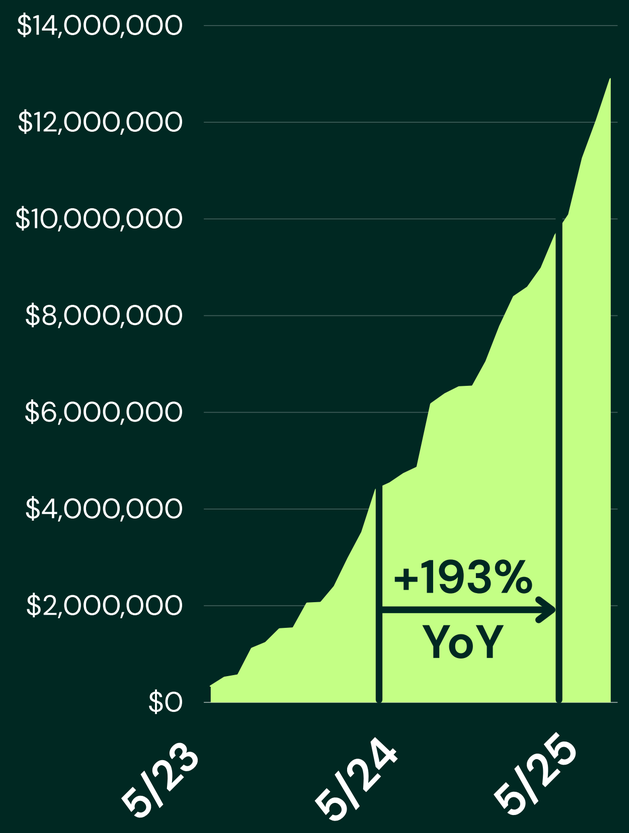
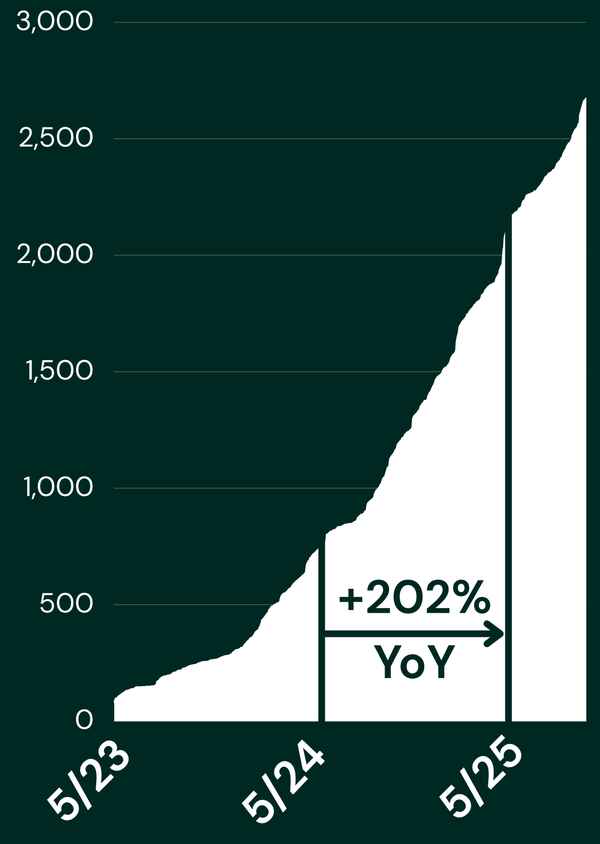
Strong Unit Economics, Scaling Smoothly

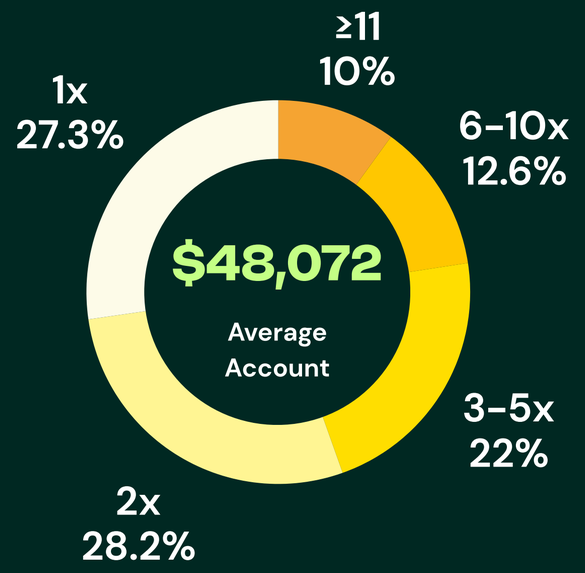
Investments



Investors

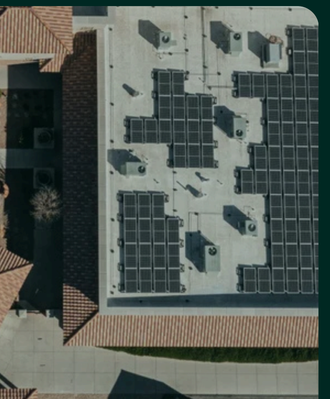


The Majority of Investors Make Multiple Investments



21.54x

Lifetime Value ($2,644) to Customer Acquisition Cost ($122)



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Institutional Grade Documentation Ready in 1 Click

23 Step Deep Diligence with Documentation

Name

- DD-Report_ADON-AlohaGreen (Climatize 2025.09.09).pdf
- decommissioning_requirements_proper.pdf
- environmental_constraints_proper.pdf
- climate_risk_assessment_proper.pdf
- electricity_rates_analysis_proper.pdf
- grid_impact_assessment_proper.pdf
- nrel_cost_benchmarks_proper.pdf
- local_permitting_requirements_proper.pdf
- site_suitability_assessment_proper.pdf
- initial_site_observations.pdf
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- parcel_and_zoning_information.pdf
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- favorability_index.pdf
- property_information.pdf
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- zoning_land_use_analysis_proper.pdf
- utility_grid_analysis.pdf

Executive Overviews

Climatize

ADON RENEWABLES
DUE DILIGENCE MEMORANDUM

ADON-AlohaGreen
Last Revised: 2025.09.09

1. PROJECT SUMMARY

Project Name	Aloha Green
Location	71-680 Whitmore Avenue, Wahiawā, O'ahu, HI 96786 — USPS format to be confirmed; engineering/lease files also show "680 Whitmore Ave." TMK 7-1-001-038. [Assumption] Use USPS-verified address at close; retain TMK for legal situs.
Project Size	PV 126.36 kWdc; BESS 540 kWh. [Assumption] PV rating stated in DC; AC rating N/A pending SLDs/equipment submittals.
Technology	Carport-mounted PV + lithium-ion BESS with EMS. [Assumption]
Market Participation	Behind-the-meter Power Purchase Agreement with Aloha Green Holdings Inc. (fixed price schedule per executed PPA).
Stage	Late development — PPA executed; lease extension in place; engineering/permit sets submitted; HECO interconnection approval and EPC execution pending.
Target COD	N/A. [Assumption] 6–12 months post-NTP; NTP contingent on HECO interconnection and permit close-outs.
Issuer	N/A. [Assumption] Project SPV to be designated; sponsor: Adon Renewables Corporation.

Narrative: Aloha Green is a behind-the-meter solar-plus-storage project located at 71-680 Whitmore Avenue, Wahiawā, O'ahu, HI (TMK 7-1-001-038) [Assumption: USPS-verified format to be confirmed at close]. The system comprises a steel carport-mounted photovoltaic array of approximately 126.36 kWdc and an adjacent battery energy storage system of approximately 540 kWh (PPA minimum: 500 kWh). The project will interconnect at the host's existing service and sell all delivered energy to Aloha Green Holdings Inc. under an executed 20-year PPA with a fixed price schedule; environmental attributes accrue to the Seller. The carport provides shaded parking and is designed to satisfy structural and fire-safety requirements, including UL 9540/9540A and applicable IFC provisions [Assumption: to be verified in final approvals]. Engineering and permit sets are on file; HECO interconnection approval and EPC contract execution remain outstanding. Upon receipt of interconnection approval and completion of permit conditions, the team will finalize equipment submittals and mobilize for construction, targeting commercial operation approximately 6–12 months after NTP [Assumption].

2. LEGAL AND SITE DILIGENCE

Entity and Governance

- Type: Project SPV TBD — sponsor is Adon Renewables. [Assumption: Issuer to be a single-purpose LLC formed for Aloha Green.]
- Formation Date: N/A (SPV not yet formed).
- EIN: 47-4181598 (Adon Renewables; confirm against EIN letter). [Assumption: SPV will obtain its own EIN at formation.]
- Operating Agreement: N/A (not provided; to be drafted upon SPV formation).
- Signatories: N/A (confirm authorized officers for Adon and, once formed, for SPV).

Site Control

- Control Type: Lease/License (Farm Lease Extension in place; Real Property License form attached to PPA).
- Status: Executed lease extension (term through June 1, 2026 with two 5-year options); landlord consent/estoppel N/A (pending).

Financial Structuring & Risk Flagging

income or improving rate/tenor would increase sustainable debt; HECO interconnection actuals and EPC pricing should be reflected before final sizing.

ASSUMPTIONS: PERMANENT LOAN FIXED 9.00%, 20-YEAR TERM AND AMORTIZATION (FULLY AMORTIZING; NO BALLOON), CAPACITY SIZED TO YEAR-2 DSCR. YEAR-2 NOI REFLECTS PV REVENUE ONLY (NO BESS VALUE YET).

Year-2 NOI: $18,609

Target DSCR	Max Debt Service (Y2)	Sustainable Debt (9% / 20-yr)
1.15×	$16,181/yr	$149,874
1.20×	$15,507/yr	$143,630
1.25×	$14,887/yr	$137,884

Conclusion: At 9% with a 20-year fully-amortizing term, the project supports $138k–$150k of permanent debt when sized to Year-2 NOI across DSCRs 1.25× → 1.15×. Any BESS income, rate reduction, or amortization extension will lift capacity further; higher DSCR targets lower it.

7. RED FLAGS AND RISK FACTORS

Category	Risk Level	Description
Interconnection	Medium–High	No HECO application or study package in the file set; hosting-capacity unknown; POI and protection settings not confirmed. Potential upgrade costs and transformer lead times create schedule and budget risk. Action: submit pre-app/queue request; obtain study scope, cost responsibility, and milestone dates; confirm behind-the-meter export posture.
Permitting	Medium	Permit sets exist, but final approvals and Fire Department sign-offs (UL 9540/9540A, IFC clearances, signage) are not in-hand. Address formatting discrepancy (71-680 vs 680 Whitmore Ave) must be aligned across permits, insurance, and finance documents. Floodplain/zoning status not evidenced.
EPC	Medium	No executed EPC; pricing, schedule, and LD/warranty terms are open. Geotech not provided (carport footing risk). Supply-chain and logistics premiums in Hawai'i can drive change orders. Action: fix-price EPC with clearly defined scope, hurricane-rated components, and performance/warranty covenants.
Revenue	Medium	BESS income not yet modeled; PV-only NOI constrains permanent debt. Host load shape and tariff details are not analyzed; counterparty credit and PPA operational clauses (access, curtailment, outage mitigations) require confirmation. Action: produce interval-data analysis and BESS dispatch case; consider resiliency fee.
Community	Low	Commercial/industrial setting with existing operations; no known opposition. Potential concerns: construction traffic, temporary parking impacts, and carport aesthetics. Coordinate outreach and site logistics plan.

8. GATING ITEMS TO DISCUSS

- HECO interconnection approval (executable agreement) and confirmed POI/protection settings.
- EPC contract execution with fixed-price scope, schedule, warranties, and LDs.
- Insurance certificates (Builder's Risk, GL, Property) with lender endorsements and limits reflecting carport + BESS.

Missing Document Flags & Strategic Advising

- Title report (TMK 7-1-001-038), access/utility easements, and landlord consent/estoppel.
- Updated financials/model reflecting final EPC price, interconnection costs, interest reserve, ITC timing, and sources/uses.
- Final permit approvals including Fire Department/UL 9540A compliance.
- O&M agreement and spare-parts plan.
- Equipment submittals/SLDs stamped for construction.
- SPV formation docs and officer authority certificates.

9. DILIGENCE CHECKLIST – MISSING FILES

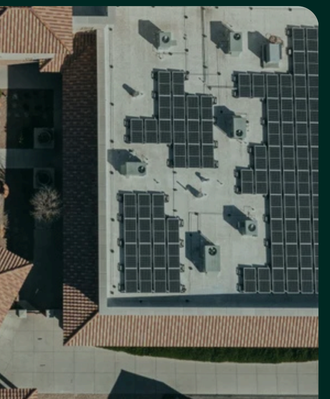
NOTE – NOT ALL OF THESE DOCUMENTS ARE REQUIRED

Document	Status
Site Lease Agreement	Provided (Lease Extension executed 06/12/2021). Landlord consent/estoppel: Missing.
Title Insurance Binder	Missing. Order title/encumbrance for TMK 7-1-001-038; include access & utility easements.
EPC Agreement	Missing. Need fixed-price scope, schedule, warranties, LDs, hurricane/wind specs.
HECO Interconnection Package *(replaces NYISO SIS Report)*	Missing. Provide pre-app/queue ID, studies, upgrade cost allocation, POI/protection settings, milestones.
Hawai'i Incentive/Grant Award *(replaces NYSERDA Grant Award)*	N/A / None identified. [Assumption] Confirm eligibility for Hawai'i Energy programs or other state/local incentives.
Fire Compliance Memo	Missing. UL 9540/9540A basis-of-safety, IFC compliance, signage, separation distances, and FD approvals.
Tax Equity Structuring Memo	Missing. Clarify ITC approach (transfer vs. sponsor monetization), eligible basis, interconnection cost treatment, and recapture mitigation.
Organization Documents	OA, Certificate of Good Standing, Organization Chart, etc.

Additional Documents: &M Agreement, stamped SLDs & equipment submittals, insurance binders (builder's risk/GL/property), floodplain/zoning confirmation, and SPV formation docs with officer authority.

10. STRATEGIC RECOMMENDATIONS

- Stage the raise into separate tranches. For example, use a small pre-NTP bridge (interconnection fees, permits, long-lead deposits) that rolls into the construction facility at NTP. This reduces DSCR pressure and avoids carrying full construction debt prior to HECO approval.
- Hard conditions precedent to first construction draw. Require (i) HECO interconnection approval/executable agreement, (ii) executed fixed-price EPC with warranties/LDs, (iii) insurance binders with lender endorsements, and (iv) landlord consent/estoppel.
- Monetize BESS explicitly. Add a resiliency/backup service fee to the host agreement and complete a demand-charge study using 15-minute interval data. Lock EMS performance KPIs (peak-shave kW, availability) to support additional term debt.
- Pursue incentives and tax optimization. Confirm ITC transfer/direct pay timing; evaluate eligibility for Domestic Content bonus ITC (if achievable through supply chain) and any Hawai'i Energy programs. Each +10% effective ITC materially reduces required equity.
- Lock long-lead equipment early. Secure pricing/slots for transformer, switchgear, steel carport, and BESS cabinets with capped escalation and delivery windows aligned to HECO milestones.
- Tighten documentation for financeability. Form the single-purpose SPV, clean up legal names, align the address/TMK across all documents, and complete title (TMK 7-1-001-038) with easements.



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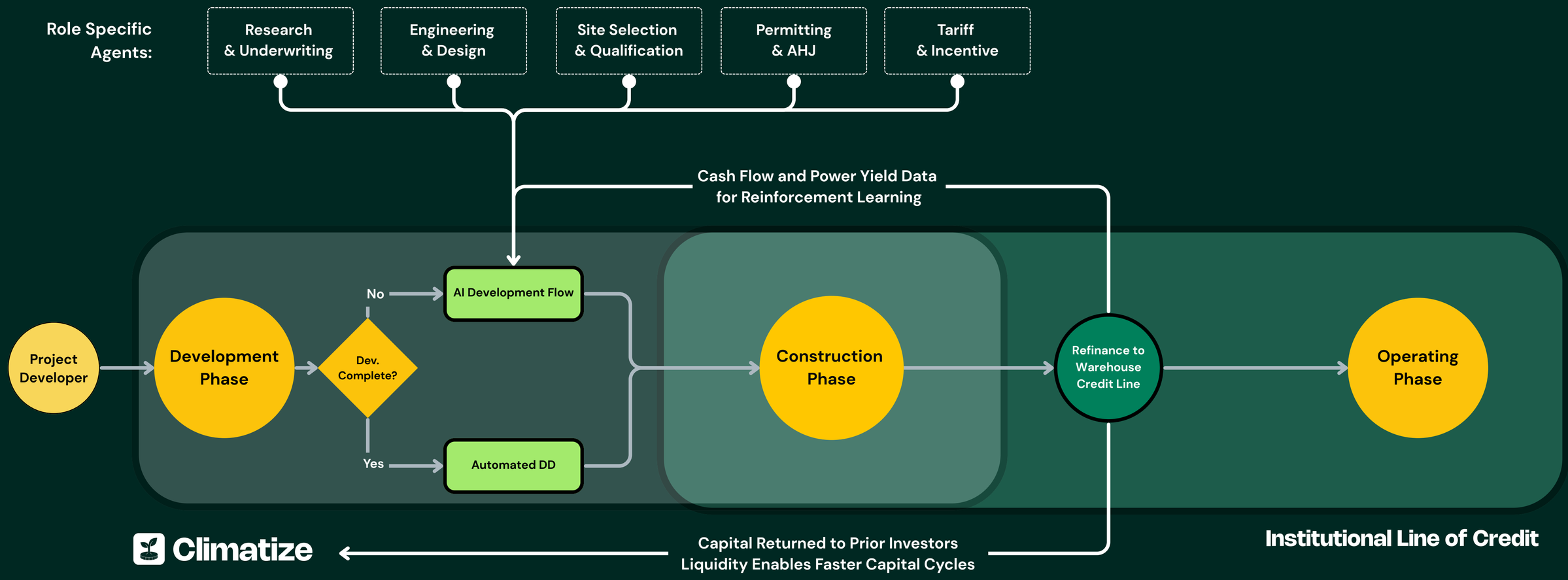
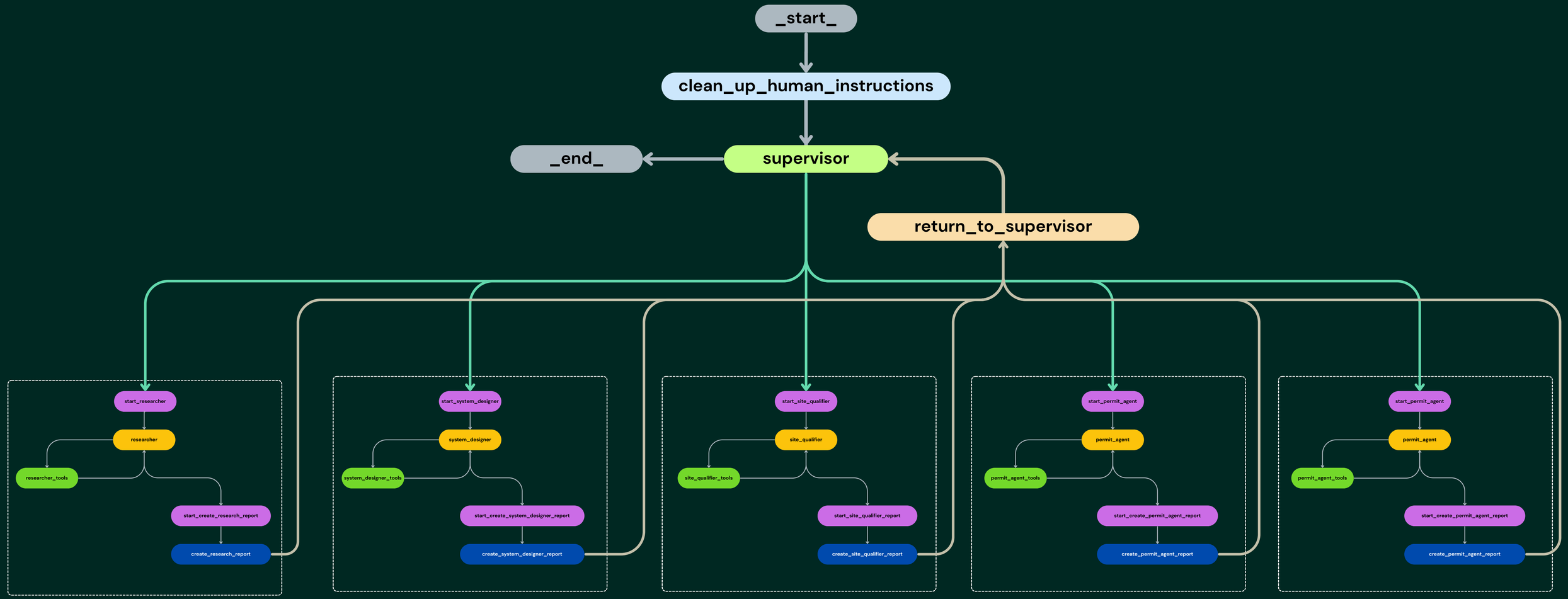
Climatize's Multi-Agent Architecture Compresses Soft Costs



	Development Capital	Construction Capital	Permanent Debt
Risk Profile:			
Return Profile:	11.25 - 12.5%	8-10%	6-8%

Climatize's Multi-Agent Architecture Compresses Soft Costs



Research & Underwriting

Engineering & Design

Site Selection & Qualification

Permitting & AHJ

Tariff & Incentive

Our Specialties

tech

- Solar Power
- Battery Storage
- Energy Efficiency
- EV Charging

type

- Development Finance
- Construction Loans
- Bridge Loans

TAM

Global Distributed Solar, Storage, Energy Efficiency & EV Chargers

SAM

US Community Solar, Storage, Energy Efficiency & EV Chargers

SOM

Community Solar, Commercial & Industrial (C&I)

	TAM	SAM	SOM
Debt Market	$28 Bn/yr (today) → $53Bn/yr (by 2030)	$7.8 Bn/yr (today) → $14.6Bn/yr (by 2030)	$4.3 Bn/yr (today) → $8.1 Bn/yr (by 2030)
Financing Revenue	$1.5 Bn/yr → $2.9 Bn/yr	$429M Mn/yr → $803M Mn/yr	$237 Mn/yr → $446 Mn/yr
Agent Revenue	$80.0 Mn/yr	$52.3 Mn/yr	$52.0 Mn/yr

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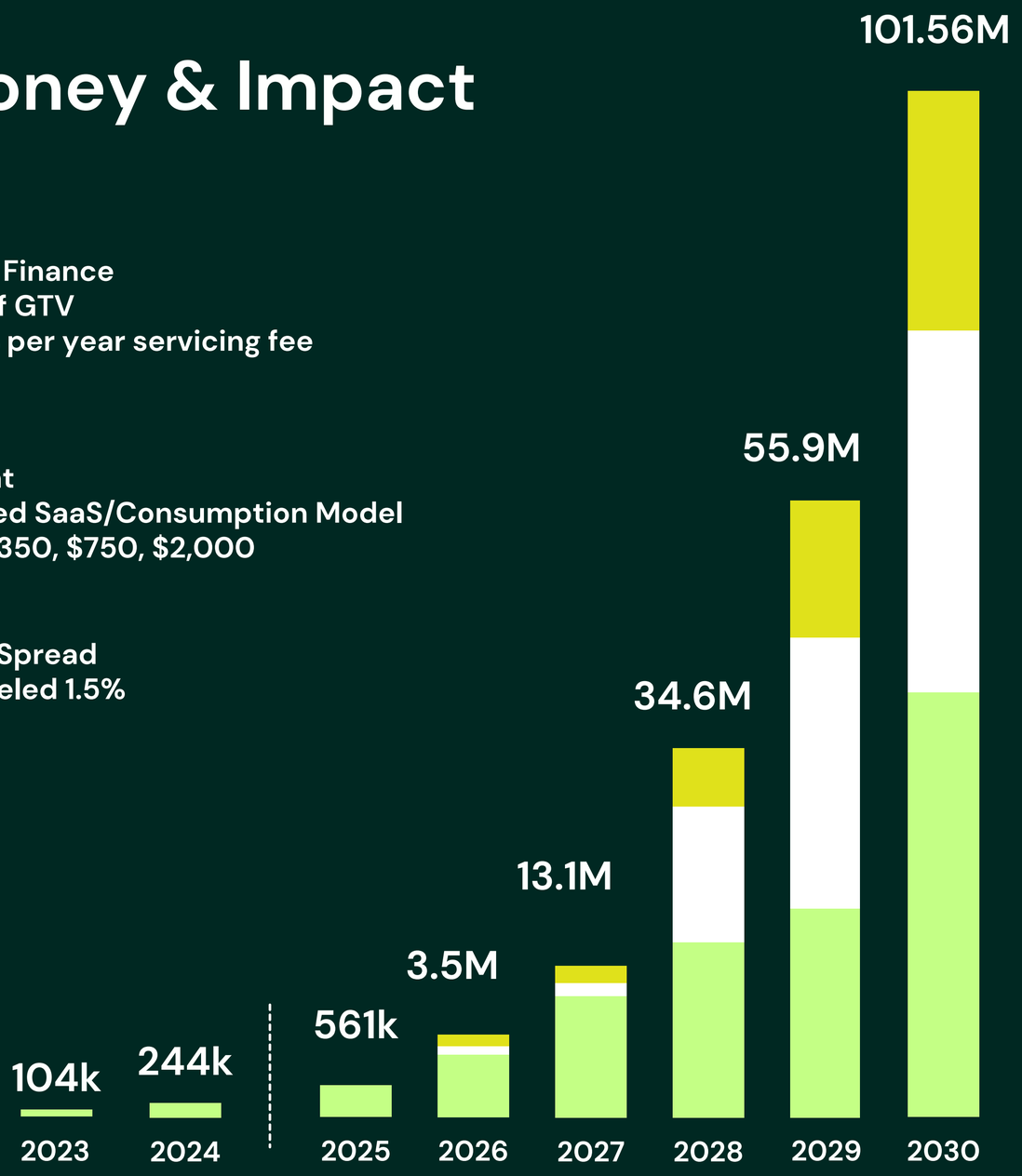
Making Money & Impact

Project Finance
5% of GTV
0.5% per year servicing fee

AI Agent
Tiered SaaS/Consumption Model
$350, $750, $2,000

Credit Spread
Modeled 1.5%



$93,705,000
Total Pipeline

$29,146,000
Probability Adjusted Pipeline

$1,959,000
Potential Revenue Value

An Accomplished & Experienced Team

Will Wiseman
CEO & Co-Founder

Will has:
- 11 years of experience in renewable energy
- Built 15 solar projects and funded an additional $12M
- Holds 2x MSc in Renewable Energy Engineering from The Royal Institute of Technology

Alba Forns
COO & Co-Founder

Alba has:
- 6 years of experience in energy, finance and policy
- facilitated establishing Barcelona's Low Emission Zone.
- EU Energy Ambassador & TEDx speaker
- Holds 2x MSc in Renewable Energy Engineering from The Royal Institute of Technology

Deirdre Patten
CCO

Deirdre, has:
- +30 years of experience in financial services
- Experience across all FinOps, managing SEC and FINRA
- Previously President on the Board of Directors for the Securities and Insurance Licensing Association

Shaun Luttin
Director, Engineering

Shaun is:
- Software architect with 15 years of experience
- 4x a Microsoft Most Valuable Professional
- Top 0.1% StackOverflow contributor
- Member of MENSA, the society of top IQ individuals

Jim Goldmann
Director, Finance

Jim has:
- 15 years of experience in energy
- Developed 750MW of generation at SunAlta Power
- Structured $200M of tax-equity at SolRiver Capital
- Previously an auditor at Deloitte
- Previously a lawyer

Chris Medina
Marketing Lead

Chris was:
- Senior Marketing Manager at Crowdcube, Europe's largest crowdfunding platform
- Raised over €47M from 120,000 investors
- Expertise in scaling digital marketplaces

Advisors

Cameron Ramey
Lead Director of Risk
Wunder Capital

Helena Wasserman
Co-Founder
Investors for Climate

Suresh Vaghjiani
CEO
Clowd9

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Oversubscribed Pre-Seed

$1,750,000
raised

$1,650,000
target

VCs

MYRIAD techstars_ climate capital Earth Seed 9 RESPONSIBLY VENTURES STONE MOUNTAIN VENTURES TEMERITY CAPITAL PARTNERS

angels

gofundme Apple Bessemer Venture Partners Google FRANKLIN ENERGY Halcyon

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Join Us on the Mission to Fund $1 Billion Per Year

Will Wiseman
will@climatize.earth

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THANK YOU, MENTORS!

Diana Tsao Block, *Fractional COO & Advisor*

Jack Dempsey, *University of St. Thomas*

Jason Fraser, *Mission Ratio*

John Stavig, *Holmes Center for Entrepreneurship*

Josh Shaeffer, Loam Bio

Justin Bean, *Hitachi*

Kirthika J Padmanabhan, *Climate Capital*

Laurie McGinley, *Via Lucent*

Nitesh Dullabh, 2POD Ventures

Paul A. Kline, IT & Sustainability Executive

Paul Taylor, Serial Mentors

Ross Bosn, UFP Ventures

Sean Bruce, Vinova Digital Strategies

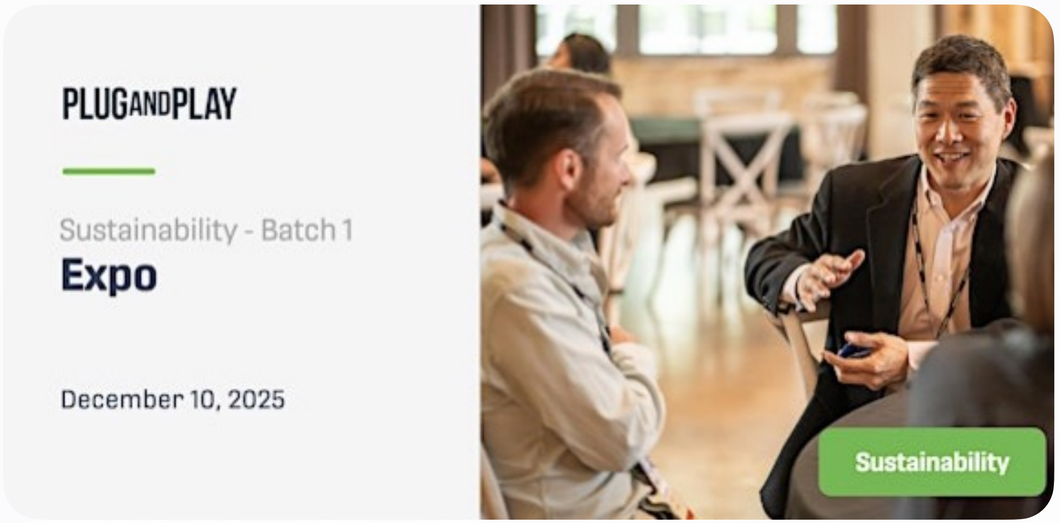
Steven Davies, Davies Advisors

Tami Hutchinson, *Intel Capital*

Yuki Sekiguchi ,*Startup Navigators*

MINNESOTA EXPO

DATE	Wednesday, December 10
LOCATION	McNamara Alumni Center, Minneapolis
FOCUS AREAS	Carbon Reduction Circularity Regenerative Agriculture Sustainable Finance



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