



Co2.0

building the digital infrastructure for compliance
grade carbon markets

2025 SAFE ROUND PRESENTATION

Carbon markets are broken.

Billions are being spent on unverifiable offsets that lack transparency, consistency, and permanence.

The world needs trustable infrastructure—not just promises.

① Low Integrity

85% of credits fail rigorous verification

② No Transparency

Manual processes, delayed reporting, zero real-time data

③ High Costs

Developers lose 40-60% of value to middlemen

↳ Integrity Crisis

Verified Credits



15%

Unverifiable/Low Quality



85%

Source: Nature, Science, Carbon Market Watch (2024)

The \$1 Trillion Carbon Market Needs Better Rails

Over 2,000 companies have net-zero pledges, yet less than 5% of credits meet compliance-grade standards.

Mālama bridges this gap through verifiable, tokenized carbon removal.

\$1T

2,000+

95%

Market Size by 2030

Net-Zero Pledges

Unmet Demand

🌐 Global Demand

Fortune 500 companies need verifiable removal credits to meet 2030 climate targets

📋 Supply Gap

Only 5% of current carbon credits meet compliance-grade verification standards

↗️ Market Growth

Voluntary carbon market projected to reach \$100B+ annually by 2030

Turning Nature-Based Impact into Verified, Investable Climate Solutions

Mālama Labs builds digital and physical infrastructure that converts measurable carbon removal into durable, tradable assets.



Nature-Based

Real carbon removal through biochar, rock weathering, and regenerative practices



Verified

Automated dMRV ensures compliance-grade measurement and reporting



Investable

Tokenized credits enable early financing and liquid markets

Universal dMRV Platform

Our system unifies IoT sensors, satellite data, and AI models to automate Measurement, Reporting, and Verification (MRV)—enabling real-time, compliance-grade certification.

Automated Data Collection

IoT sensors + satellite imagery capture carbon metrics 24/7

AI-Powered Verification

Machine learning validates permanence and additionality

Blockchain Certification

Immutable audit trail for compliance and transparency



1. Data Collection

Sensors + Satellite Monitoring



2. AI Analysis

Verification + Risk Modeling

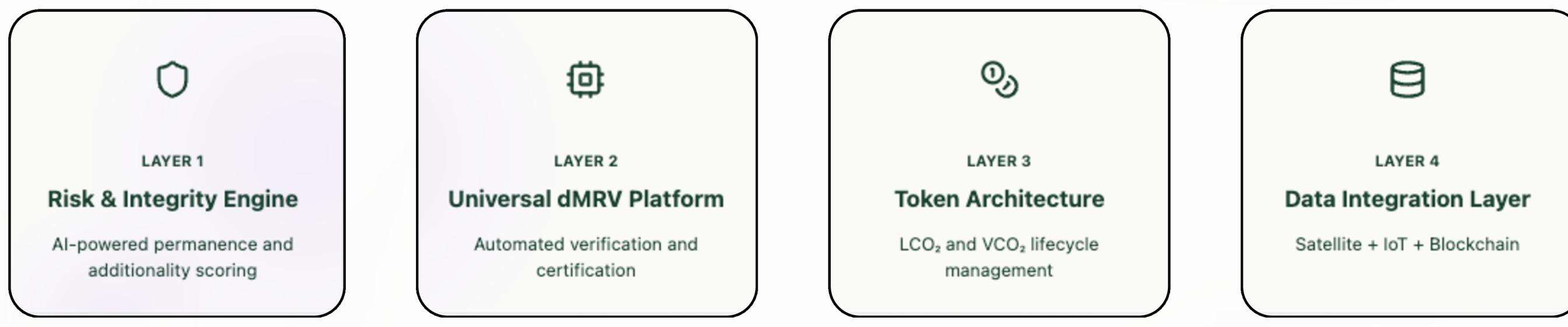


3. Credit Issuance

On-Chain Certification

A Four-Layer Infrastructure for High-Integrity Carbon Markets

End-to-end platform from measurement to market



Result: Real-time, verifiable carbon removal at scale—bridging finance, verification, and compliance

Proven Models, Growing Demand

Established Frameworks

Modeled after Puro.earth, Isometric, and Article 6.4 compliance standards

Strategic Partnerships

Collaborations with DIBS Hawaii, DHHL, and AgEnergy for pilot deployments

First Project

AgEnergy Kawaihae Biochar Facility—7,500 tons annual capacity

AgEnergy Kawaihae

📍 Hawai'i Island, HI

7,500
Tons/Year

\$1.1M
Annual Revenue

Verification Phase

75%

Active Pipeline

Total Projects

6

Annual Capacity

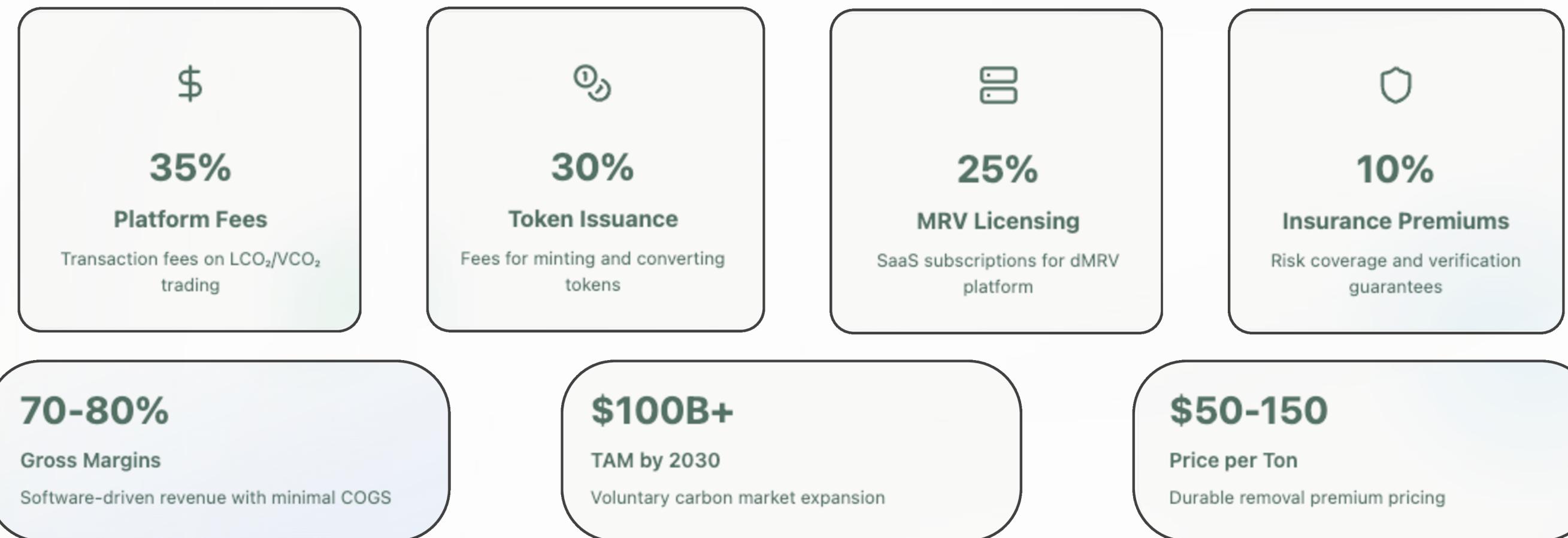
875K tons

Projected Revenue

\$131M

SaaS Economics, Infrastructure-Scale Impact

Mālama earns revenue through platform fees, token issuance, carbon credit brokerage, and MRV licensing



From Pilot to Platform

↗ 6 Active Projects

In development across Hawai'i and Pacific Northwest

⚡ 875K Tons Annual

Combined carbon removal capacity across pipeline

♫ Strategic Partners

DIBS Hawaii, DHHL, AgEnergy, and regional governments

Milestone Timeline

- Q1 2025
First Project Launch
AgEnergy Kawaihae online
- Q2 2025
dMRV Platform Beta
Platform rollout to 3 projects
- Q3-Q4 2025
Token Launch
LCO₂ presales begin
- 2026
Full Platform Scale
Expand to 20+ projects globally



Geographic Focus

Hawai'i → Pacific NW → Global

Experienced Builders Bridging Climate and Technology

Carbon Science + Web3 Infrastructure + Operational Execution



Tyler Malin

CEO

Legal, Blockchain, Climate Strategy

Serial entrepreneur with 20+ years building marketplaces. 2 successful exits.



Dominick Garey

CTO

Blockchain & dMRV Architecture

Full-stack architect with deep Web3 expertise and enterprise-grade infrastructure.



Jeffrey Wise

COO

Operations & Scaling

Hawai'i agriculture & sustainability leader. Deep community relationships.

Why This Team Wins

- **Geographic Advantage:** Building from Hawai'i with on-ground project access
- **Proven Execution:** Tyler's 2 exits demonstrate ability to scale and navigate markets
- **Technical Depth:** Production infrastructure with real blockchain, AI, and IoT integration

Key Hires (Next 12 Months)

VP Carbon Markets	Q2 2026
Chief Scientist	Q3 2026
2 Engineers	Q1 2026
1 BD Rep	Q1 2026

Scalable Revenue Model

20x growth potential with SaaS margins and infrastructure-level expansion

↗ 5-Year Financial Projections

Year	Revenue	Projects	Gross Margin
Year 1	\$788K	10	75%
Year 2	\$2.6M	30	78%
Year 3	\$6.2M	60	80%
Year 4	\$12.5M	100	81%
Year 5	\$22.7M	150	82%

Cash-Flow Positive by Year 2 • \$22.7M Revenue by Year 5 • 82% Gross Margin

↗ 1.9mo

Payback Period

Rapid capital efficiency

13.5x

LTV / CAC Ratio

\$8K customer acquisition cost

\$ 108K

LTV per Project

3-year customer lifetime value

Raising \$1.2M SAFE Round

Fuel platform development and scale to 10 projects
in Year 1

Instrument

SAFE

Post-Money

Valuation Cap

\$8M

Discount

20%

Min Investment

\$25K

Use of Funds

Team	\$480K
Engineers, BD Rep, Operations Manager	
Technology & Operations	\$360K
IoT deployment, satellite data, risk engine MVP	
Sales & Marketing	\$240K
Developer outreach, partnerships, buyer acquisition	
Working Capital	\$120K
Legal, runway buffer	

12-Month Milestones

- ✓ Close 10 projects → \$788K revenue
- ✓ Deploy 10 IoT sensor networks
- ✓ Issue 7,000+ LCO₂ tokens
- ✓ First VCO₂ credits issue
- ✓ Expand beyond Hawai'i

18-Month Exit to Series Seed

\$2M at \$10-12M post-money

LCO₂ → VCO₂ Lifecycle

② LCO₂ (Liquid Carbon)

Pre-finance tokenized carbon futures

Enables early project financing before verification is complete



③ dMRV Verification

Automated monitoring confirms sequestration

Real-time data validation through IoT + satellite + AI



④ VCO₂ (Verified Carbon)

Verified carbon credits issued on-chain

Compliance-grade, tradable, and liquid

Key Benefits

Early Financing

Developers access capital immediately through LCO₂ pre-sales

Maintained Liquidity

Buyers can trade LCO₂ tokens during verification period

Risk Mitigation

Insurance reserve covers verification shortfalls

Compliance Grade

VCO₂ meets Article 6.4, Verra, and Gold Standard requirements

From Hawai'i to the World

Building the infrastructure for a \$100B+ carbon removal market



2025

Launch

- Reactor commissioning complete
- Puro.earth certification process
- First 10 projects onboarded
- Platform beta deployment



2026

Scale

- dMRV Platform full rollout
- Expand to 30 projects
- AI risk engine production
- First VCO₂ credits issued



2027

Global

- Universal registry integration
- International expansion
- 100+ active projects
- Series A fundraise



2028+

Market Leader

- Token liquidity established
- Multi-methodology support
- Enterprise partnerships
- \$100M+ GMV annually

Strategic Vision: Build the Bloomberg Terminal for carbon removal—the trusted infrastructure layer for a transparent, verifiable, and scalable carbon economy



Join Us in Building the Future of Carbon Integrity

Mālama Labs is creating a transparent, verifiable, and investable carbon economy. Together, we can turn climate action into enduring value.

\$1.2M
safe round

\$8M
valuation cap

20%
discount

schedule a call or request access to our investor portal - invest@malamalabs.com

