

Carbon Ledger

The Future of Transparent Sustainability



The Problem: Why We Need Trust

The Crisis of Carbon Accounting



Lack of Trust
Greenwashing & Opacity



Double Counting
Invalidating Impact

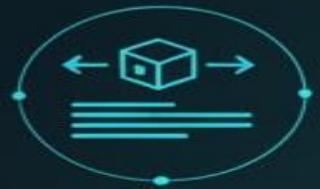
Component 1: Emissions Tracking & Verification



Component 2: Tokenization & Trading



The Hedera Advantage - Why Hashgraph?



Hedera Consensus Service (HCS)

Provides the speed and immutability required for high-volume, real-time, time emissions data logging.



Hedera Token Service (HTS)

Native, low-fee tokenization ideal for high-volume, low-value offset tokens



Cost & Speed

Predictable, low transaction fees are critical for a scalable, commercial market solution



Commitment

Aligns perfectly with Hedera's commitment to sustainability and the environment

Hackathon Strengths & Deliverables



Tech Readiness

Functional PoC:
HCS & HTS



Real-World Impact

Addresses \$2B Carbon
Marbon Market
Pain Point



Scalability

Future: Supply Chain
Tracking



Revenue Model: Powering Transparent Sustainability



I. Transaction Fees on Offset Trading (HTS)

- A small, fixed fee per offset token traded
- Leverages Hedera's low, predictable fees.



II. Premium Analytics & Reporting (MRV)

- Subscription tiers for enhanced data visualization
Includes advanced features for regulatory compliance.



III. Verification & Audit Sacit Services (HCS Integration)

- Fee for initial onboarding & data integration
Partnerships with third-party verifiers.



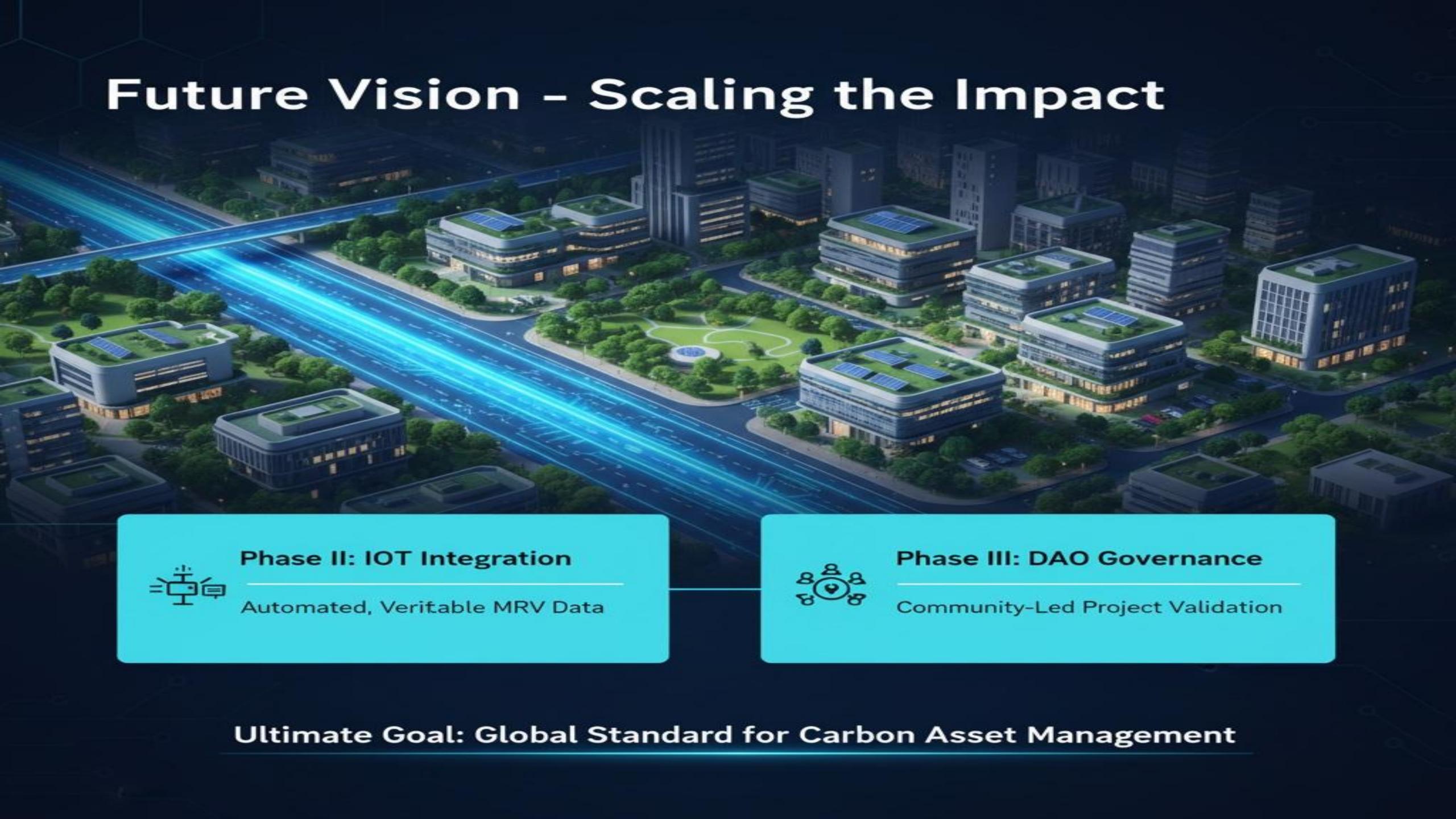
IV. API Access for Integrations

- Subscription or usage-based fees for external systems
Enables seamless integration with ERP systems.

Value Proposition: Providing unparalleled trust & efficiency unlocks new value for every participant.

The transparency and immutability offered by Hedera ensure a reliable, liquid market, attracting more participants and transactions.

Future Vision - Scaling the Impact



Phase II: IoT Integration

Automated, Verifiable MRV Data



Phase III: DAO Governance

Community-Led Project Validation

Ultimate Goal: Global Standard for Carbon Asset Management

THANK YOU

ANY QUESTIONS?



Carbon Ledger

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