ProofLedger

The Institutional Trust Layer for Verifiable Real-World Assets (RWAs)

Anchoring the Continuous Verifiable Reality (CVR) framework on leading L2 networks

- ✅ Real-time Asset Verification
- 🛡️ Parametric Insurance
- 🏛️ Collateral Optimization
- 📋 IoT & Oracle Integration

Abel Gutu | Founder & CTO

Live Demo →

The Trillion Dollar Problem: Global Finance's Trust Gap

Solving the $24T+ Collateral Opacity Challenge

⊘ Collateral Opacity

Lenders cannot verify the **physical state** of assets in real-time. This is the root of systemic credit risk.

⧗ Slow & Manual Processes

Insurance claims, trade settlements, and collateral checks rely on paper trails, leading to settlement times of weeks, not hours.

🛡 Fragmented Compliance

Cross-border transfers are stalled by siloed regulatory reporting (KYC/AML), blocking global asset liquidity.

Example: A bank cannot verify if $50M of pledged coffee cargo spoiled during transit until weeks later

$24T+

Illiquid Physical Assets

"The single largest barrier facing global finance is trust in physical assets."

Our Solution: Continuous Verifiable Reality (CVR)

ProofLedger's Three-Layer Trust Framework

⚓ Trust Anchor
1

Data Layer

- 📡 Decentralized oracle network with IoT sensor integration
- 🛡 Reputation-based consensus with economic slashing

⧉ Digital Twin
2

Registry Layer

- ⬖ ERC-721 NFTs legally bound to physical title deeds
- ↻ Immutable custody and verification history

⤴ Integrated Risk
3

Financial Layer

- 🛡 Parametric insurance with automated payouts
- 📊 Real-time risk assessment and collateral management

Technology & Traction: What We've Built
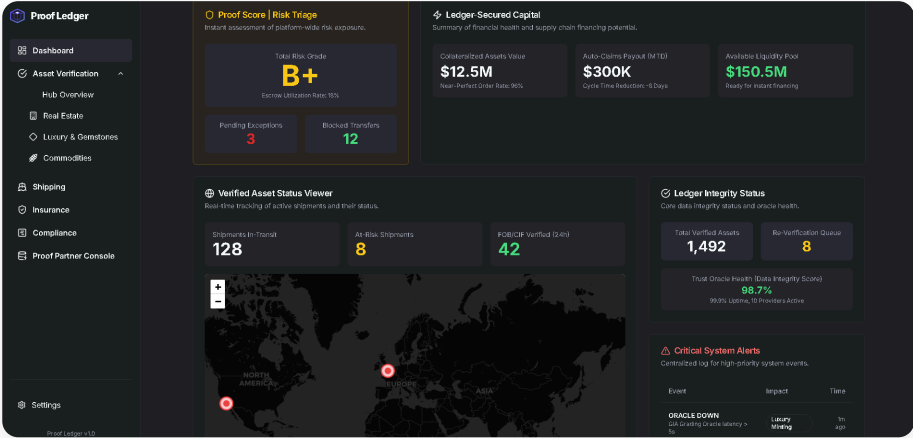
A Complete, Enterprise-Ready RWA Platform

Core Components Deployed `Sepolia Testnet`

✅ **TrustOracle**

Custom oracle network with reputation-based dispute resolution

✅ **ProofLedgerCore**

ERC-721 Digital Twin registry for tokenizing titles

✅ **InsuranceHub**

Parametric insurance marketplace for automated risk payouts

✅ **Demo Platform**

Full frontend with asset dashboards and claims processing

Key Enterprise Features

🛡 Role-based Access Control (RBAC)

⏱ Gas-Optimized and Formal Verification Ready

👁 Comprehensive Event Transparency & Audit Logs

ProofLedger Dashboard with real-time asset verification and risk assessment

Strategic Partnership: Technical & Strategic Alignment

Leveraging L2 Infrastructure for Global Scale

Technical Fit: The L2 Scaling Imperative

Linear Scalability

Needed for **1,000+ IoT sensor events/second** from assets in transit

Low Gas Fees

Critical for TrustOracle operations and enabling **micro-insurance transactions**

EVM Compatibility

Ensures **seamless migration** and high-level security guarantees

Strategic Fit: Shared Vision for RWA

RWA Tokenization Focus

Direct, powerful alignment with focus on **institutional asset tokenization**

Enterprise Adoption

Institutional-first approach matches **target market for high-value deployment**

Global Vision

A shared path to building **cross-border financial innovation**

Go-to-Market Strategy

Accelerated 6-Month Timeline to Mainnet RWA Infrastructure

Oracle Network Migration (1)

Month 1-2

Port the existing **TrustOracle** smart contract infrastructure to target L2. Critical for achieving **low operational costs** and leveraging linear scalability for high-volume sensor data throughput.

Full CVR Framework Deployment (2)

Month 3-4

Deploy the complete **Digital Twin** (ERC-721) and **Integrated Risk** (InsuranceHub) components on target L2 Mainnet. Enables first institutional partners to begin cross-chain asset bridging and collateralization.

Ecosystem Growth & Asset Volume (3)

Month 5-6

Establish ProofLedger as the **reference RWA infrastructure** for the ecosystem. Onboard anchor institutional partners to drive verifiable asset volume and utility on the network.

Month 1   Month 2   Month 3   Month 4   Month 5   Month 6

Market Opportunity & Business Model

Capturing Value in the $24 Billion RWA Tokenization Market

Initial Target Verticals

Commercial Real Estate

Focus on fractional ownership & collateral

$1.2T tokenization potential

Trade Finance (Commodities)

Focus on collateral optimization using CVR

$500B addressable market

Luxury Goods & IP

Focus on provenance and verifiable ownership

$300B authentication market

Insurance

New parametric products for shipping and agricultural risk

Expanding market opportunity

Sustainable Business Model

API Licensing Fees

Institutional access to the TrustOracle's verified, real-time data feeds
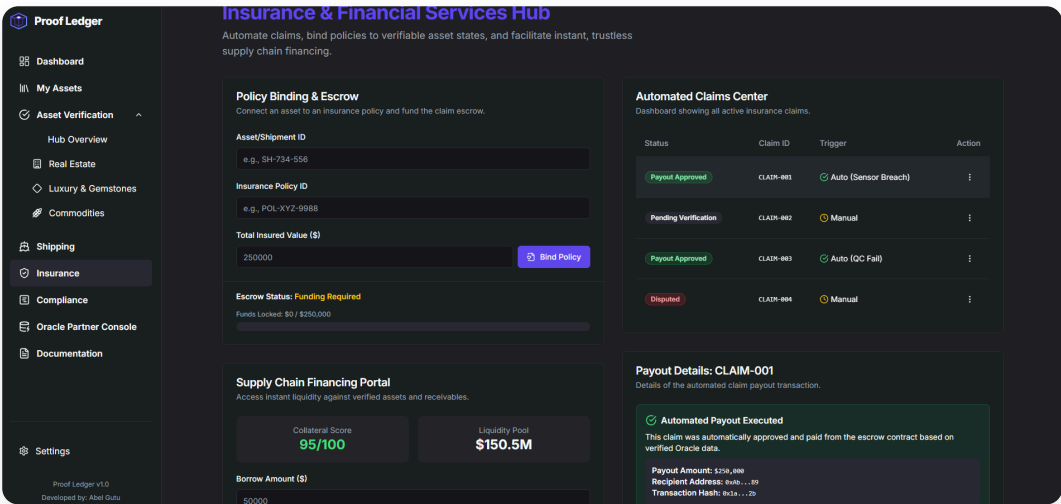
Yield Sharing

Revenue share from the parametric insurance premiums processed through the InsuranceHub

Enterprise Solutions

White-label deployment and customization for major logistics and banking partners

Traction Deep Dive: Asset Monitoring

Live CVR in Action: From Physical State to Digital Collateral

Real-Time Risk Triage

Platform continuously ingests data from IoT devices, providing an **instant, auditable health status** of the physical asset

🌡️ Commodity Tracking

Monitoring temperature, humidity, and location for spoilage risk

🔔 Smart Contract Trigger

If risk parameters breached, smart contract flags asset and triggers Integrated Risk layer

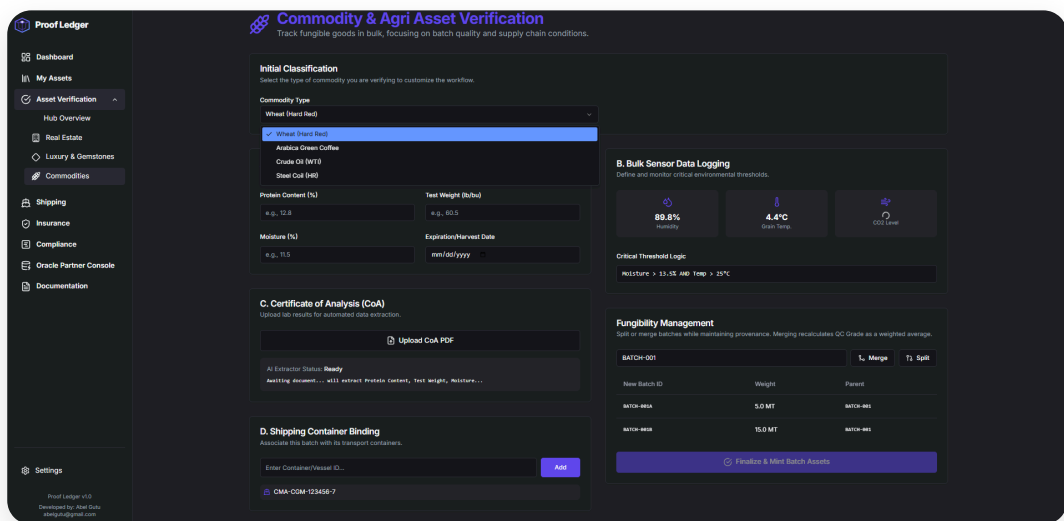**Platform automatically triggers insurance payouts when sensor data breaches predefined thresholds**

89.8%	**4.4°C**	**Wheat**
Humidity	Temperature	Commodity Type

The Team & The Ask

A Dedicated Founder and Strategic Partnership Opportunities

Founder: Abel Gutu (Solo Founder & CTO)

Abel Gutu

Built entire CVR platform solo, from gas-optimized smart contracts and oracle design to full frontend dashboard

<> Deep expertise in DeFi architecture: previously shipped a full DeFi DEX (perpetuals, swaps, pools)

✔ Proven history of end-to-end product delivery in complex financial domains

👤 [LinkedIn Profile](#)

Seeking Strategic Partnership

💲 **Ecosystem Grant**

For mainnet deployment, oracle node incentives, and initial legal/compliance audits

🔧 **Technical Support**

Optimizations specific to L2 environment to ensure linear scalability

🤝 **Business Development**

Introductions to high-value institutional partners (banks, trade finance firms)

👥+ **Co-founder Matching**

Assistance in finding an experienced business/operations leader

Next Steps: Contact & Live Demo

Building Future of RWAs Together

See the CVR Infrastructure in Action

🚀

Live Demonstration

Interact with the TrustOracle, mint a Digital Twin, and simulate an automated insurance claim

Launch Demo →

Contact Information

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