

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

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

1 Trust Anchor

Data Layer

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

2 Digital Twin

Registry Layer

- 📍 ERC-721 NFTs legally bound to physical title deeds
- ⌚ Immutable custody and verification history

3 Integrated Risk

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

✓ InsuranceHub

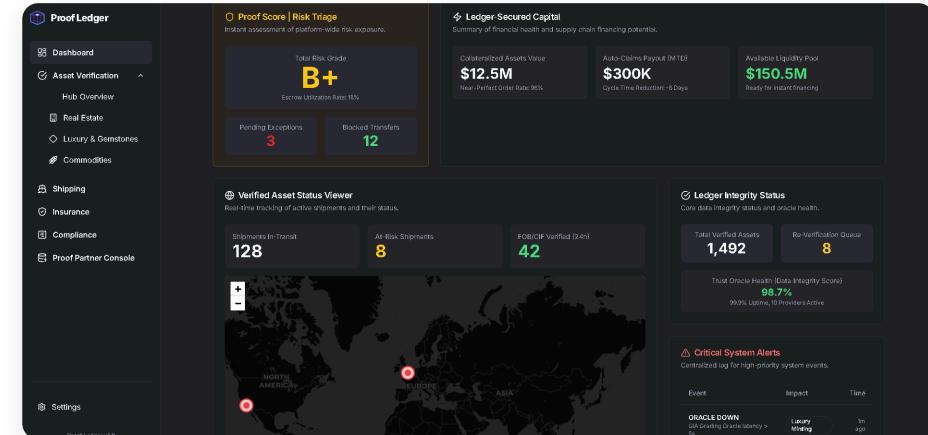
Parametric insurance marketplace for automated risk payouts

✓ ProofLedgerCore

ERC-721 Digital Twin registry for tokenizing titles

✓ Demo Platform

Full frontend with asset dashboards and claims processing



ProofLedger Dashboard with real-time asset verification and risk assessment

Key Enterprise Features

- 🛡 Role-based Access Control (RBAC)
- 🕒 Gas-Optimized and Formal Verification Ready
- 👁 Comprehensive Event Transparency & Audit Logs

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

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.

1

Full CVR Framework Deployment

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.

2

Ecosystem Growth & Asset Volume

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.

3

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

The screenshot displays the Proof Ledger platform interface, which includes several key components:

- Proof Ledger:** A sidebar menu with options like Dashboard, My Assets, Asset Verification (Real Estate, Luxury & Gemstones, Commodities), Shipping, Insurance (selected), Compliance, Oracle Partner Console, Documentation, and Settings.
- Insurance & Financial Services Hub:** Automates claims, binds policies to verifiable asset states, and facilitates instant, trustless supply chain financing.
- Policy Binding & Escrow:** Connects an asset to an insurance policy and funds the claim escrow. It shows fields for Asset/Shipment ID (e.g., SH-734-556) and Insurance Policy ID (e.g., POL-XYZ-9988). It also shows Total Insured Value (\$ 250,000) and Escrow Status: Funding Required.
- Automated Claims Center:** A dashboard showing all active insurance claims. It lists four claims: CLAIM-001 (Payout Approved, Auto (Sensor Breach)), CLAIM-002 (Pending Verification, Manual), CLAIM-003 (Payout Approved, Auto (QC Fail)), and CLAIM-004 (Disputed, Manual).
- Supply Chain Financing Portal:** Accesses instant liquidity against verified assets and receivables. It shows a Collateral Score of 95/100 and a Liquidity Pool of \$150.5M.
- Payout Details: CLAIM-001:** Details of the automated claim payout transaction. It shows an Automated Payout Executed status, noting the claim was automatically approved and paid from the escrow contract based on Verified Oracle data. It also shows Payout Amount: \$250,000, Recipient Address: 0xAb...89, and Transaction Hash: 0x12...20.

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%

Humidity

4.4°C

Temperature

Wheat

Commodity Type

The screenshot displays the Proof Ledger platform's user interface. On the left, a sidebar menu includes options like Dashboard, My Assets, Asset Verification (selected), Hub Overview, Real Estate, Luxury & Gemstones, Commodities, Shipping, Insurance, Compliance, Oracle Partner Console, Documentation, and Settings. The main content area is titled "Commodity & Agri Asset Verification" and "Track fungible goods in bulk, focusing on batch quality and supply chain conditions." It shows sections for "Initial Classification" (with "Wheat (Hard Red)" selected), "Commodity Type" (listing "Arabica Green Coffee", "Crude Oil (WTI)", and "Steel Coil (HS6)"), "Protein Content (%)", "Test Weight (lb/bu)", "Moisture (%)", and "Expiration/Harvest Date". Below this are sections for "Bulk Sensor Data Logging" (showing "89.8% Humidity" and "4.4°C Grain Temp"), "Critical Threshold Logic" (with a condition "Moisture > 13.5% AND Temp > 25°C"), "Certificate of Analysis (CoA)" (with an "Upload CoA PDF" button), "AI Extractor Status: Ready", and "Shipping Container Binding" (with a "Enter Container/Vessel ID..." input field containing "CMA-CGM-123456-7"). At the bottom right, there are buttons for "Merge" and "Split" under "Fungibility Management", and a "Finalize & Mint Batch Assets" button.

The Team & The Ask

A Dedicated Founder and Strategic Partnership Opportunities

Founder: Abel Gutz (Solo Founder & CTO)

Abel Gutz

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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