YIELDBOOST AI

AI Agents that Automate.
Systems that Scale.

0G LABS GLOBAL HACKATHON

Verifiable yield optimization for the AI-native Web3.

Mainnet-first optimizer, 0G proof trail, frictionless judge review, and strategy-agent NFT minting.

0G Mainnet default | **0G Storage + ProofRegistry** | **0G Compute path** | **YieldStrategyINFT**

Live app: yieldboost-ai.vercel.app/judge

THE DEFI AI TRUST GAP

AI yield advice is easy to generate. It is hard to verify.

Opaque AI output

Most dashboards show a recommendation, but not a durable proof trail for what was decided.

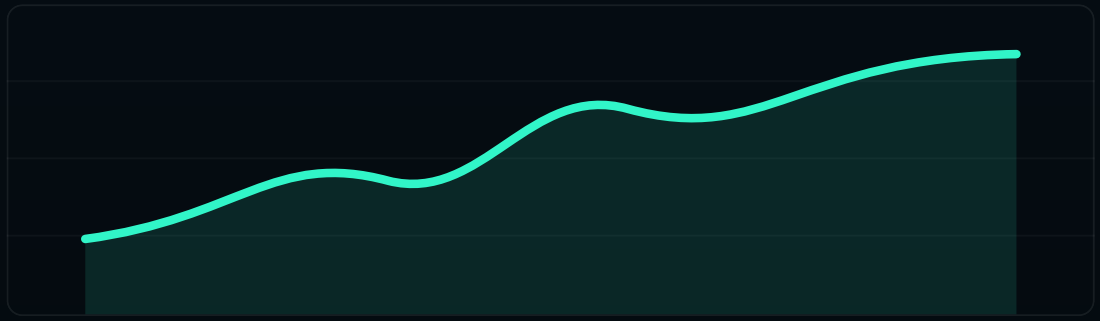
Review friction

Hackathon judges should not need a wallet, faucet, or manual rerun just to audit the result.

Strategy ownership

A completed strategy should become a portable artifact, not a temporary UI state.

YieldBoost AI turns an optimization into a visible chain of custody: compute, storage, registry anchor, and optional Agent NFT.



PRODUCT LOOP

One click produces a strategy, a proof, and a review surface.

1

Connect wallet

User enters the normal dashboard flow with an active wallet context.

2

Optimize route

Portfolio snapshot is compressed and routed through cache, embeddings, and compute.

3

Anchor proof

Result is stored through 0G Storage and anchored through ProofRegistry.

4

Review or mint

Judge Mode audits the proof. User can mint a Strategy Agent NFT.

Projected APY

23.84%

latest proof snapshot

Confidence

96%

route scoring

Proof coverage

100%

stored run trail

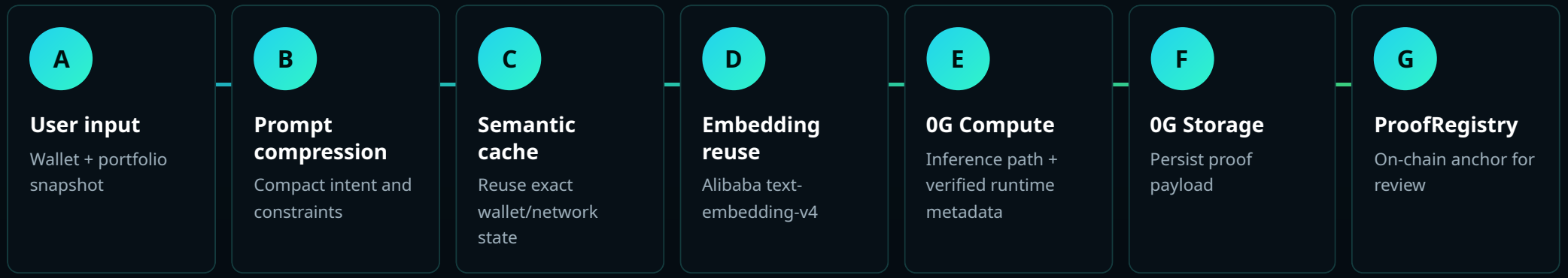
Judge wallet

0x8a3c...

read-only demo wallet

0G-NATIVE ARCHITECTURE

The system is built around a verifiable data path.



The key design choice: optimization is not just displayed. It becomes a durable, wallet-scoped proof artifact that the judge can inspect without touching user funds.

JUDGE MODE

Audit-first UX: no wallet, no faucet, no rerun.

Hard-locked demo wallet

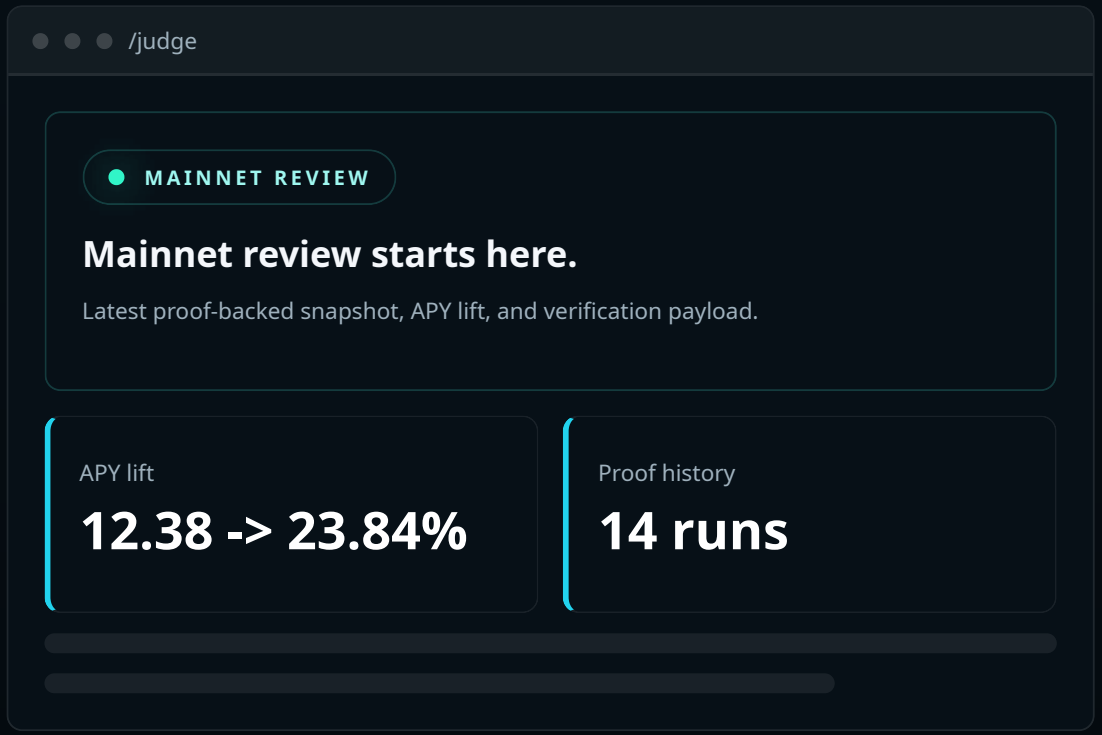
`0x8a3c7524Aaed081825aC88eC7f4cCECFc583ee7D`

Mainnet-first, testnet switchable

Reviewers can compare networks without leaving the audit page.

Direct explorer path

Latest storage tx, ProofRegistry anchor, contract addresses, and proof history are surfaced in one place.



MAINNET EVIDENCE

Live contracts and latest proof trail are already on 0G mainnet.

ProofRegistry

`0x8e63e117E71A80Cfc10fDF375F079e2e29cd7D7D`

Anchors proof metadata and emits the reviewable proof event.

YieldStrategyINFT

`0xb264D861264B0e4f8fb98A61B7694BA8a3B6BBe3`

Mainnet Agent NFT contract for strategy ownership.

Attestation Oracle

`0x216E7880D64D94335B583c539802d3e61958d4A2`

Allows verified attestation hashes to be registered on-chain.

Latest anchor tx

`0xa76f59de764dfb5dcd2fae3e8dff53cb0e213bab89162e7b4de16962309caa9b`

Mainnet ProofRegistry transaction linked from the product.

RUNTIME EFFICIENCY

Inference is optimized before the system spends compute.

Semantic Cache

Scoped by wallet, network, normalized prompt, and portfolio digest before new inference runs.

Embedding Reuse

Alibaba text-embedding-v4 can reuse similar optimization requests for the same wallet and asset signature.

Prompt Compression

The optimizer rewrites noisy input into compact intent, constraints, and portfolio facts.

1

Raw intent

User request + portfolio

2

Compacted prompt

Less noise, same decision context

3

Reuse check

Exact cache or vector similarity

4

Compute only if needed

Preserve 0G proof flow

STRATEGY AGENT NFT

Optimization results become ownable agent artifacts.

After a proof-backed optimization, the user can mint the strategy through YieldStrategyINFT. The NFT is not the proof itself; it is the portable strategy artifact linked to the verified runtime output.

Minted to the connected wallet

Agent ownership follows the user wallet, not the server signer.

Encrypted metadata

Strategy metadata is protected with AES-256-GCM at the app runtime layer.

ROADMAP

From verifiable optimizer to Proof-of-Optimization economy.

Phase 1: Mainnet proof product

Live proof trail, Judge Mode, Agent NFT minting, and dual-network review.

Phase 2: $YA0G reward logic

Reward high-quality optimization events backed by ProofRegistry and measurable outcome metadata.

Phase 3: Mining by optimization quality

Proof-of-Optimization weights verified runs by confidence, impact, and durable proof coverage.

1

Run

User optimizes portfolio

2

Verify

0G Storage + ProofRegistry

3

Own

Mint strategy agent

4

Reward

Future $YA0G mining

YieldBoost AI is strongest as a mainnet-live verifiable finance product: AI recommendations with a proof trail judges can inspect in seconds.