zkdeal: The Missing Execution Mode

Verified multi-step execution for Ethereum

$1.2M pre-seed

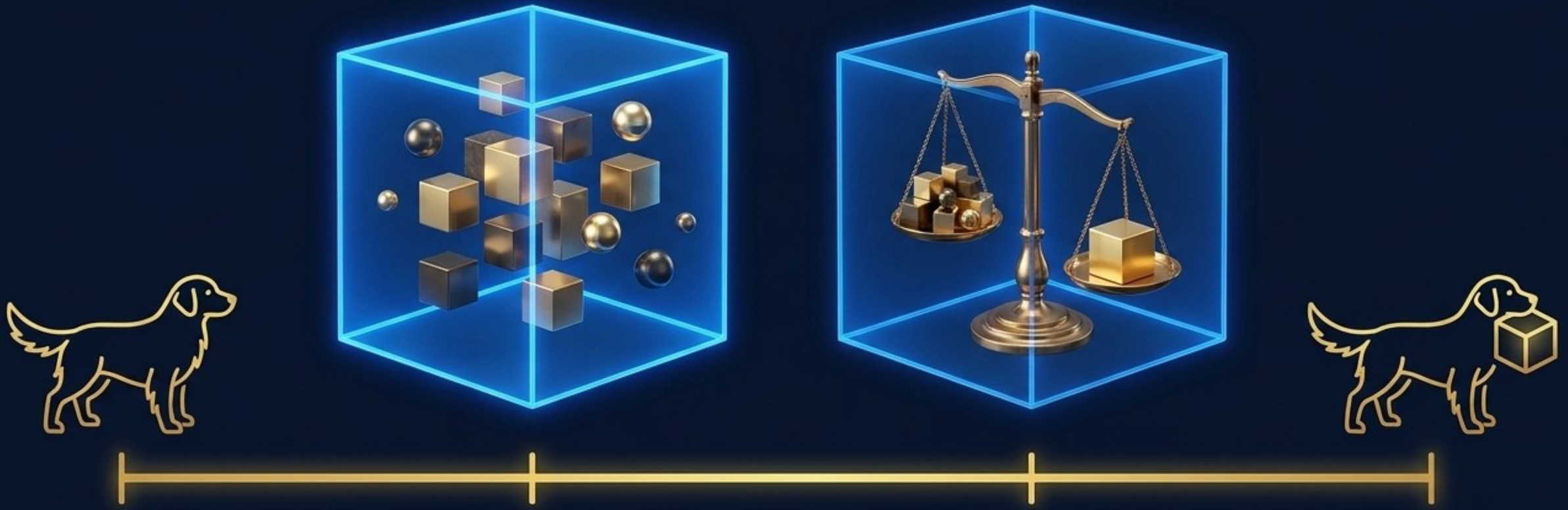
L1: Too Atomic

L2 / Appchains: Too Permanent

L1 transactions are too simple for complex capital workflows.
L2 appchains are too heavy for temporary, bounded tasks.
App developers lack a temporary execution space.

zkdeal creates short-lived, isolated execution rooms.

Complex workflows run within one bounded epoch and produce a single proof.
Open for execution. Close after proving. Settle on Ethereum.



L1 starting state

Execute the multi-step workflow in an isolated room

Validate the final state and generate one validity proof

Return the verified result to Ethereum L1

zkdeal fills the gap between atomic guards and persistent infrastructure

Managed execution depends on operator trust. Atomic guards cannot coordinate multi-step workflows.

Translating specific capital operations into proof-verified execution epochs

Proof-aware adapter
Authenticates the pre-state

Workflow preset
Executes the state transition and checks terminal invariants

Shared proving
Generates a ZK proof with GPU acceleration

L1 checkpoint
Submits the verified result to Ethereum

zkdeal turns specific capital operations into proof-verified execution epochs.

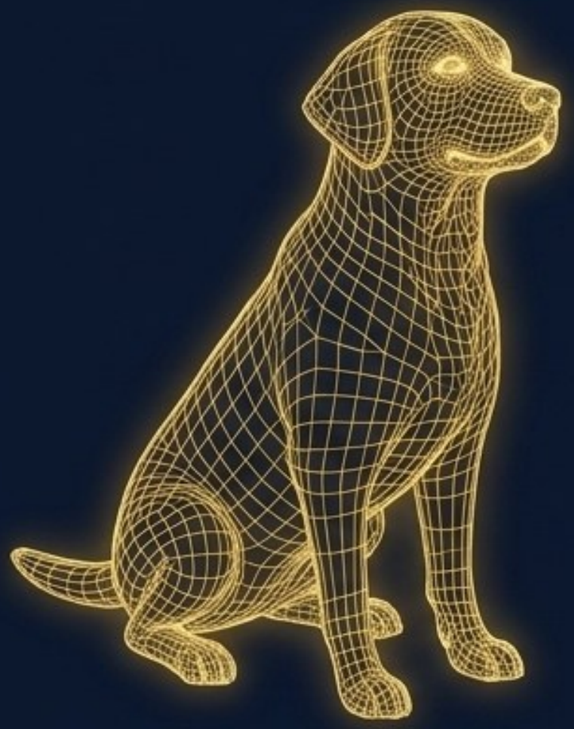
We provide the adapters, workflow presets, and shared proving infrastructure.

The result: fewer manual handoffs and no capital locked in persistent infrastructure.

Revenue scales with outcome value and computational efficiency

We charge based on both compute used and the value of successfully completed operations.
Revenue scales with workflow complexity, compute demand, and routed volume.
Customers pay for completed outcomes and efficient execution.

An evidence-based $350–550B TAM supports the $100M scale case



1. Observed payment volumes establish the market; named protocols demonstrate multi-step demand.
2. Represents approximately 2–3% of the observed market
3. A 1.0% fee rate on $10B of protected flow yields $100M in annual revenue

Observed market evidence includes **$43.9B** per month in Ethereum and Polygon lending volume and more than **$1.6B** in ERC-7540 pools.

Our scale model unlocks massive network effects.
$10B of protected flow generates $100M in highly scalable revenue.
Reusable presets ensure marginal integration costs approach zero.

Stablecoin treasury workflows are our beachhead market

Each deployment adds a reviewed adapter, workflow invariant, and operating benchmark. As the library grows, marginal integration costs fall and deployments accelerate.

1. Map the workflow and define risk limits
2. Run a live operation and benchmark the value delivered
3. Package the workflow with standard settlement adapters
4. Reuse with limited changes and establish reference pricing
5. Expand into collateral, intents, and migrations

We are measuring real, verifiable performance today.

1,384 distinct application workflow tests passed clean.

On a single B200 we can process 2 blocks in 1s and generate prove in 9s – we fit in a L1 block time

Funding our path to Public Mainnet Proof by July 2027.

Team & Experience

Led by Oleg I., architect of zkdeal and Ethereum client infrastructure.

- Led ZKP research from 2019
- Developed eth_simulate for the Nethermind Ethereum client
- Protocols for distributed validators such as Obol
- Smart contracts for large data on private chains
- Block Builder for PBS simulations with FlashBots
- Private chains for OpenOrigins
- Developed Chainlink CRE Workflows for ACE and other Compliance services

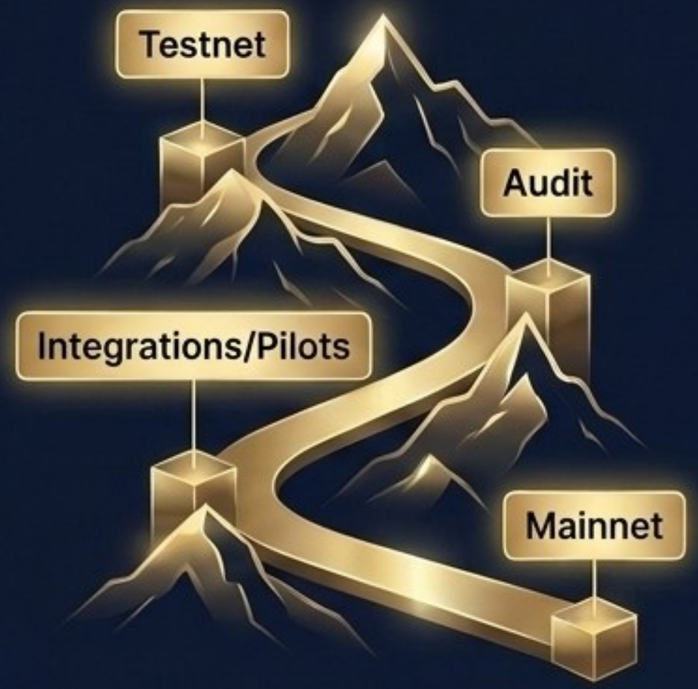
Funding Ask

$1.2M Pre-Seed / 14 Months Runway

Funding our commercial proof, paid pilots, and auditable release.

- Head of Sales
- Marketing Lead
- Protocol integration lead
- Customer Success Manager

Execution Roadmap



Roll up the workflow, not the whole application.

Target: L1 Mainnet proof by July 2027.

zkdeal.org