

Project Name: GasFree

Chain: Pharos (Demo Deployment)

Track: Infrastructure / Onboarding

## The Problem & Our Solution

Headline: Removing the Final “Paywall” to Web3 Mass Adoption

- The Core Problem: Gas Fees are a Barrier.
  - For New Users: The need to acquire and hold specific tokens before any interaction creates a terrible onboarding experience, blocking over 99% of potential users.
  - For Developers: It kills creativity. You cannot build products with “free trials,” “gasless airdrops,” or predictable subscription models—common features in Web2.
- Our Solution: One Line of Code to Go Gasless.
  - A Lightweight Plugin: DApp developers embed it to pay for their users' gas fees on any on-chain action.
  - Working Demo (Live on Pharos): We built a faucet where users get test tokens for free by watching a short ad. The gas is paid by our relay. This is just the first use case.
  - Universal Application: The same mechanism works for gasless transactions, airdrop claims, NFT mints, and prediction market entries.

## How It Works & Why It Matters

Headline: Flexible, Neutral Infrastructure

- Simple Technical Flow: User DApp → GasFree Plugin (Requests Sponsorship) → Relay Server (Signs & Pays Gas) → Blockchain (Tx Confirmed) → User DApp (Action Complete) (Smart contracts handle logic; relays handle payment; plugin delivers a seamless UX.)
- Key Value Proposition:
  1. For Users: Frictionless first step. Connect your wallet and interact. No need to understand gas or hold native tokens.
  2. For Developers: A powerful growth lever. Design user-friendly campaigns and new business models around “gas-free” experiences.
  3. For Partner Chains (e.g., Conflux/Pharos): GasFree acts as a powerful user acquisition engine. It significantly improves developer appeal and user experience, making the ecosystem more competitive and vibrant.

## Sustainable Model & Vision

Headline: Building a Positive–Sum Economic Flywheel

- Why It's Not Just a Subsidy: We designed a multi–sided, sustainable economic loop critical for long–term success.
- The Economic Flywheel (Core):
  - [More DApps Integrate]
  - ↓
  - [Mass Influx of End–Users]
  - ↓
  - [Generates Gas Demand & Attention Value]
  - ↓
  - [Revenue Funds Network & Incentives] → [Better Service & Growth] → (Flywheel Repeats)
- Revenue Streams: Minimal service fees from DApps; compliant ad/attention markets; future fees from a decentralized relay network.
- Cost Coverage: Revenue covers network gas costs and rewards participants.
- Roadmap:
  - Now (Hackathon Deliverable): Live demo on Pharos Testnet, open–source code.
  - Next 3 Months: Launch multi–chain SDK (Conflux eSpace first), release developer dashboard.
  - Future Vision: Decentralize the relay network. Become the default “gas pipe” for seamless Web3.