



# XFUEL: The Perpetual Yield Pumping Station

Whitepaper v1.0

December 18, 2025

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## Abstract

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XFUEL is a decentralized yield rail that routes Theta EdgeCloud revenue—amplified by the TDR0P 2.0 AI agent economy—into auto-compounding Cosmos liquid staked tokens (LSTs). Launched with a live product (v1.0.0), XFUEL delivers sub-4s swaps, institutional-grade tools, and a cyberpunk interface for Edge Node operators, creators, and yield seekers.

This whitepaper outlines XFUEL's architecture, groundbreaking tokenomics, and vision for a self-evolving ecosystem where protocol revenue drives perpetual innovation, deflation, and holder equity in spin-out projects.

## 1. Introduction & Vision

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Theta Network's EdgeCloud, powered by thousands of decentralized nodes, now accelerates with TDR0P 2.0 incentives for AI inference, rendering, and compute tasks. Node operators earn TFUEL pulses from real-world workloads, yet lack efficient, auto-compounding yield channels.

Cosmos LST providers (e.g., Stride, Quicksilver, MilkyWay) offer 30-38%+ APYs on stkTIA, stkATOM, and others, but remain isolated from Theta earners.

XFUEL bridges this gap: a one-tap rail converting Theta revenue into Cosmos yields, with creator tools, Tip Pools lottery, and institutional portals. Beyond a simple swap protocol, XFUEL evolves into a **perpetual yield pumping station**—a living economy where revenue funds innovation, governance rewards long-term alignment, and successful experiments spawn new tokens airdropped to holders.

## 2. The Opportunity: Theta's AI Agent Economy

TDR0P 2.0 (released December 17, 2025) reorients incentives toward decentralized AI compute and agent payments. Edge Nodes running AI jobs generate increased TFUEL earnings, creating a growing revenue stream for operators.

XFUEL captures this flow:

- Direct integration with Theta Wallet and TPulse messages.
- Proof-of-earnings staking for governance boosts.
- Positioning as the default yield layer for Theta's expanding AI ecosystem.

## 3. Product & Architecture (Live v1.0.0)

### Core Features

- **\*\*Swap Rail\*\*** – Theta Wallet connect → swap TFUEL → top Cosmos LSTs (current leader: stkTIA at 38.2% APY). Simulation mode live; real execution pending testnet TFUEL unlock.

- **Farming Dashboard** – Track yields, auto-compounding positions.
- **Tip Pools Lottery** – Revenue-share lottery with creator entries.
- **Creator Tools** – Dashboard for content monetization and tips.
- **Institutional Portal** – Bulk operations, custom yields.

## Tech Stack

- Frontend: Next.js web + Expo React Native mobile (glassmorphism cyberpunk UI).
- Backend: Hardhat contracts, Theta EVM-compatible.
- Repo: <https://github.com/XFuel-Lab/xfuel-protocol>
- Live: <https://xfuel.app>

## Phase 2 Roadmap

- ZK-intents routing.
- AI-optimized yield prediction.
- Deeper Theta Pulse listeners.

# 4. Tokenomics 3.1 – The Perpetual Innovation Engine

**Total Supply:** 100,000,000 XF (fixed, no inflation).

| Allocation | Percentage | XF (Millions) | Vesting/Mechanics |

|-----|-----|-----|-----|

I Liquidity + Deflation Engine I 45% I 45 I 20% initial LP; 75% revenue → buy & burn I

I Community Flywheel & Real-Yield I 30% I 30 I TVL-gated emissions + rXF mints I

I Perpetual Innovation Treasury I 10% I 10 I Starting bag + 10% revenue accrual I

I Founder & Core Contributors I 10% I 10 I 4-year linear + TVL/revenue cliffs (\$100M, \$500M, \$1B TVL; \$20M+ annual revenue) I

I Early Strategic Believers I 5% I 5 I 24-month linear vest (OTC raise ~\$600-750k at \$15-18M FDV) I

## Revenue Flow

All protocol revenue (swaps, yield cuts, lottery rake):

- **\*\*90%\*\*** → veXF holders:
  - 50% direct stablecoin yield.
  - 25% buy & burn XF.
  - 15% mint rXF (revenue-backed receipts).
- **\*\*10%\*\*** → Perpetual Innovation Treasury (self-funding growth).

## Groundbreaking Innovations

- **\*\*rXF Revenue-Backed Receipts\*\*** – Soulbound tokens minted from revenue; lock 365 days for 4× veXF voting power + priority spin-out airdrops.
- **\*\*Theta Pulse Proof Staking\*\*** – Submit cryptographic proof of Edge Node earnings → permanent veXF multiplier (up to 3×) for real compute contributors.
- **\*\*Innovation Treasury Vaults\*\*** (veXF-governed):
  - **Builder Vault** → Micro-grants for open-source XFUEL tools.
  - **Acquisition Vault** → Purchase revenue-generating mini-protocols.
  - **Moonshot Vault** → Fund experiments (ZK/AI); successes spin out tokens (50% airdropped to veXF/rXF holders).

- **\*\*Cybernetic Fee Switch\*\*** → Governance toggles fees for growth vs. extraction modes.

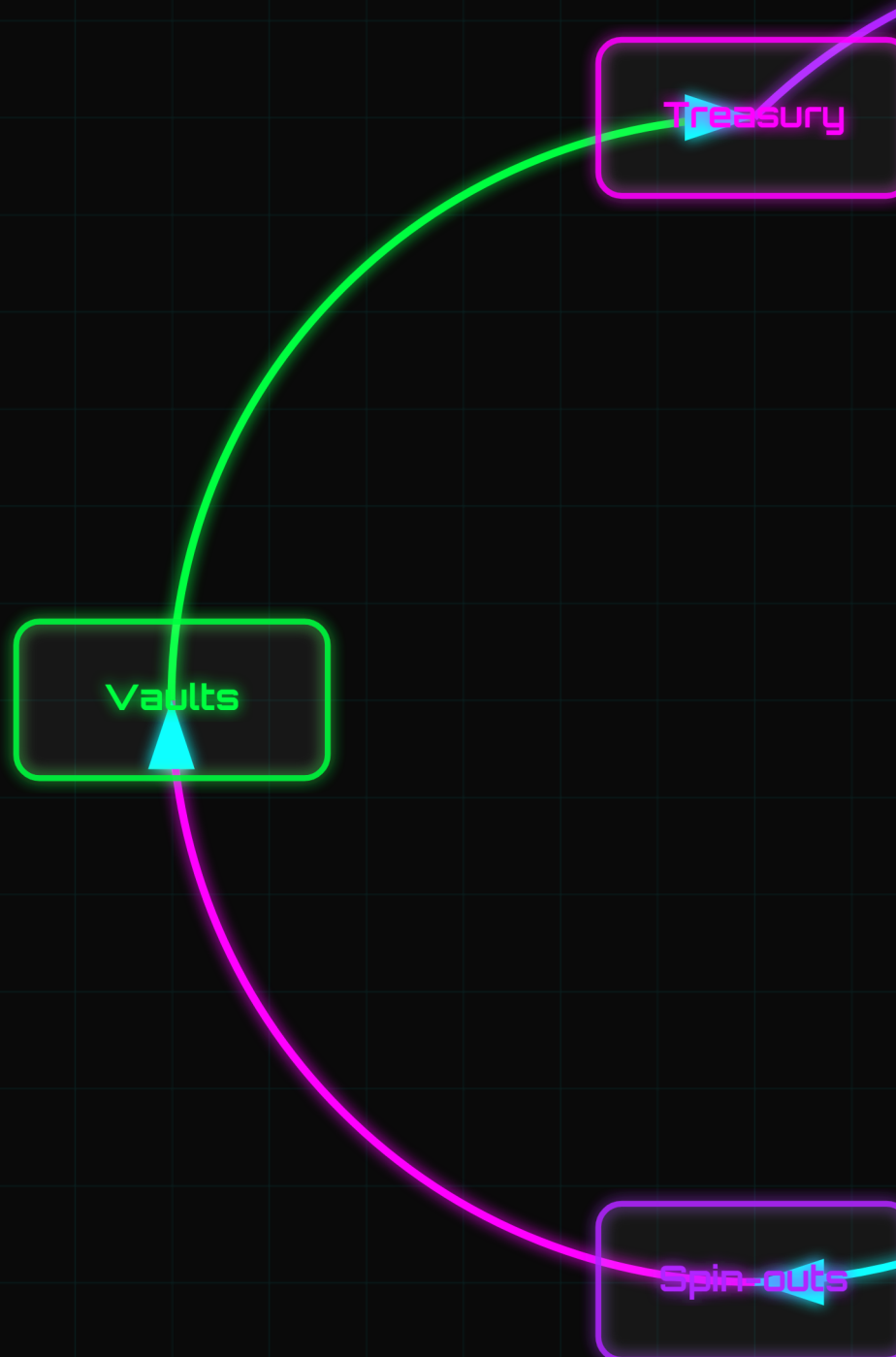
## Revenue & Token Flow

# Revenue &



Innovation Flywheel

# Innovation Fly





## 5. Governance & Sustainability

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veXF holders control:

- Fee Switch.
- Treasury allocations.
- Emissions schedule.

Dynamic triggers maintain balance: TVL surges pause emissions and bonus rXF; dips temporarily boost from treasury.

## 6. Risks & Disclaimer

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Market volatility, smart contract risks, regulatory changes. XFUEL is experimental software; use at own risk. No guarantees of value or returns.

## 7. Conclusion

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XFUEL is more than a yield protocol—it's the perpetual yield pumping station powering Theta's AI future. Holders earn real yield today and equity in tomorrow's expansions.

Live now. The pumps are primed.

## Links

- Web: <https://xfuel.app>
- Repo/Release: <https://github.com/XFuel-Lab/xfuel-protocol/releases/tag/v1.0.0>
- Community: X @XFUEL, Theta Discord channels

**Prepared by the XFUEL Core – December 18, 2025**

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XFUEL Protocol - The Perpetual Yield Pumping Station

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