

# COMFOX

Whitepaper  
1.0.2

VALUE CO-SYMBIOSIS  
2025

PROJECT INCUBATION  
PLATFORM



## A User Aggregation and Project Incubation Platform Focus on "Value Co-Symbiosis"

TO POWER THE ECOSYSTEM  
ALL PARTIES ARE INTERDEPENDENT  
AND GROW TOGETHER



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# Prologue

## The Fog

In the vast universe of blockchain, countless projects rise like stars, only to fall quickly. They fade due to a lack of real users, struggle due to insufficient liquidity, or lose their way due to a lack of consensus. In this sea of unknowns and challenges, ComFox stands as a lighthouse, illuminating the path for entrepreneurs, guiding them through the fog to embrace the dawn.

## The Dawn

The crypto industry is never short of stories; what it lacks are solutions that truly address pain points. When 90% of DeFi projects degenerate into capital games by entering the secondary market too early, and when countless investors lose everything due to market manipulation, ComFox arrives with three missions:

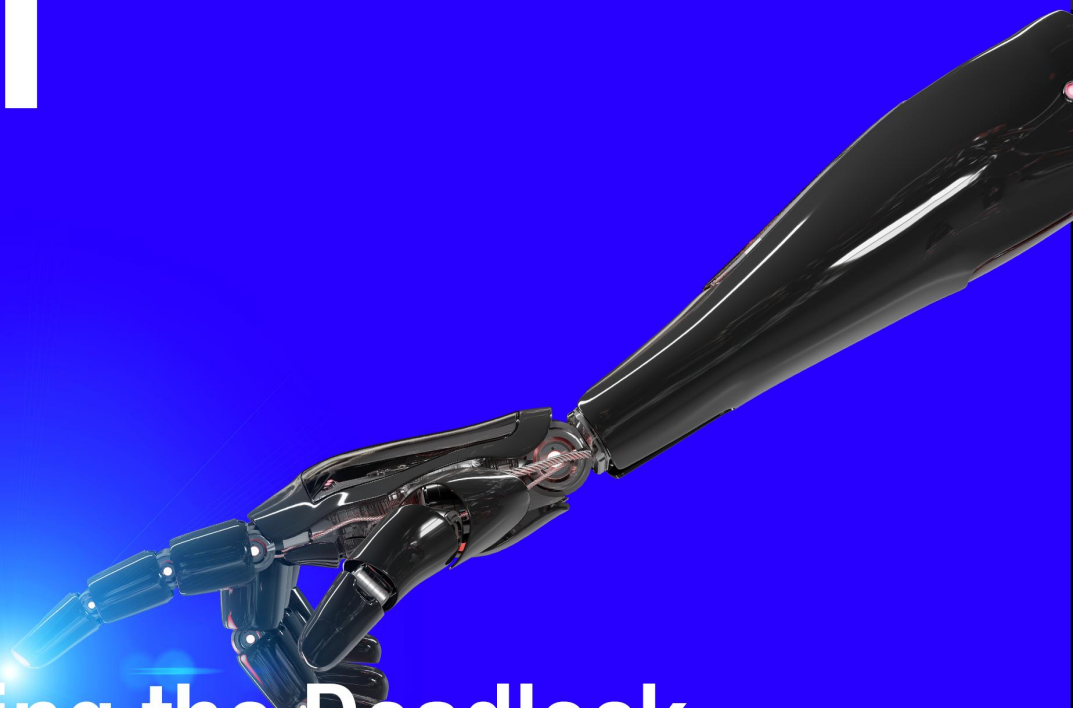
- **End Capital Scythes:** Let the market return to value-driven dynamics.
- **Rebuild Trust Systems:** Use code to ensure fairness and transparency.
- **Activate Innovative Ecosystems:** Provide fertile ground for high-quality projects to grow.

# 01



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## Breaking the Deadlock

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## 1.1 Triple Culprits Behind the Failure of DeFi Projects

- **Market Manipulation:** Core issues such as insider trading, rampant wash trading, and worthless tokens plague project launches.
- **Consensus Breakdown:** A crisis of trust leads to short-term speculation, weak community foundations, and a lack of sustainable growth momentum.
- **Liquidity Traps:** Insufficient LP pool funds trigger a death spiral, severely hindering the development of DeFi.

## 1.2 ComFox's Solution

- **Anti-Market Manipulation Architecture:** Launch with a full token LP pool + secondary market sell-only to curb manipulation.
- **Consensus Enhancement Engine:** A three-dimensional dividend system + hashrate interest model forms the consensus enhancement engine, strengthening community consensus.
- **Perpetual Value Loop:** Driven by a dual-engine system of burning and refilling, creating a deflationary spiral to forge a perpetual value cycle.



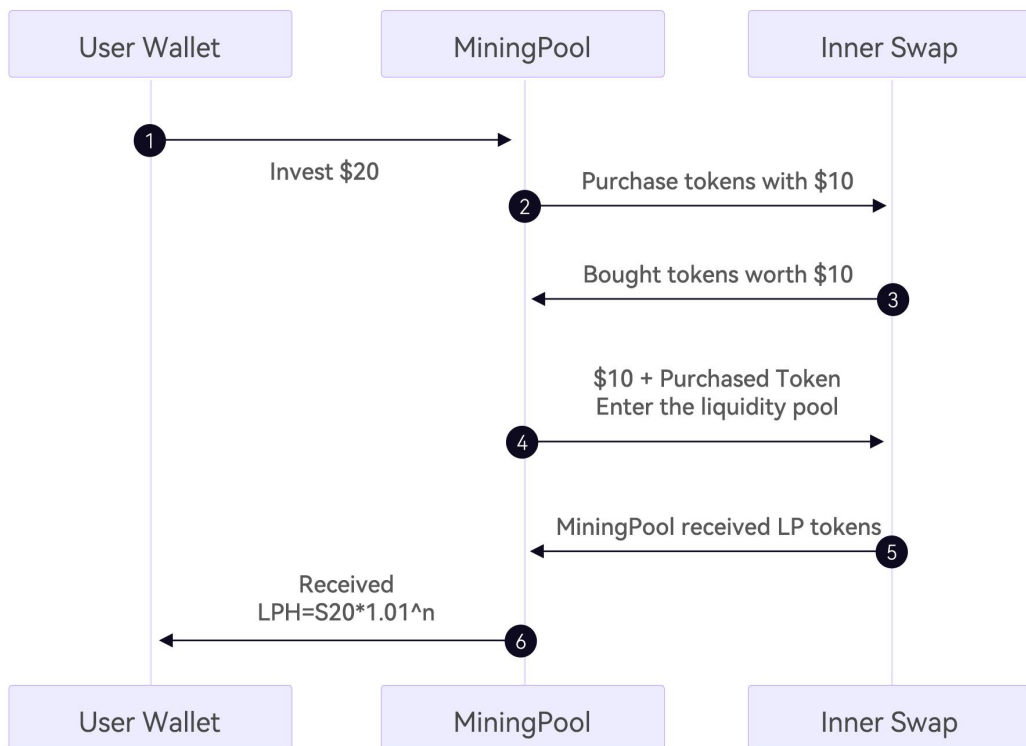
## 1.3 Core Philosophy

ComFox is the world's first traffic aggregation and project incubation platform with "value symbiosis" as its core philosophy. It aims to break the limitations of traditional incubation platforms and build an environment where projects and investors depend on and grow together.

## 1.4 ComFox's Solution

ComFox revolutionizes the token mining model with a four-dimensional price appreciation engine: shrinking liquidity / accelerating deflation / expanding demand / compressed supply—a fully on-chain value engine that merges real-time rewards with anti-inflation governance.

- 1. Buyback on Entry:** Funds are split—half used to buy tokens, the other half paired to form LP for the liquidity pool.



2. **Buyback on Daily Reward Release:** 0.35% (reference value) of total LP is released daily, all of which is used to buy back tokens.
3. **Buyback on Sale:** 100% of tokens sold are burned, and 44%(reference value) of the funds are used for token buybacks.

## 1.5 Three-Dimensional Ecosystem

The ComFox aggregator constructs an ecosystem driven by traffic aggregation, community governance, and consensus reinforcement. It creates a closed-loop system involving user acquisition, risk mitigation, and value anchoring, providing modular tools for early-stage project incubation with high survivability and market adaptability.

## 1.6 Investor Income Matrix

1. **Compound Mining:** High early-bird returns and newcomer compensation via computing power incentives.
2. **Deflationary Premium:** Price appreciation driven by deflation and supply-demand imbalance.
3. **Reinjection Yield:** 44%(reference value) of sell-off funds are reinjected into LP, creating a "future users benefit from early adopters" effect.
4. **Ranking Rewards:** Team-based growth via viral community expansion accelerates income exponentially.

Income	Mechanism	Advantage
Compound	Power compensation	Early birds gain compounding; newcomers gain high bonuses
Deflationary Premium	Burn-driven deflation	Supply-demand imbalance drives long-term growth
Reinjection Yield	44% (reference value) of sell proceeds reinjected	Future users benefit from earlier ones
TS Ranking Income	Community competition	Larger teams earn faster, exponential returns

## 1.7 Empowerment System For Projects

- **Token Issuance:** ComFox adopts a 100% hashrate engine output for token issuance, eliminating insider trading and wash trading.
- **Price Mechanism:** The price mechanism uses dynamic hashrate weighting and time decay curves to avoid manipulation by whales.
- **Project Screening:** Project selection is based on LP staking standards to prevent worthless token flooding.
- **Value Capture:** Value capture relies on highly engaged users, driving the blockchain industry's shift from "speculative bubbles" to "value creation."

Dimension	Traditional Model	ComFox Model
Token Issuance	Insider Trading + Wash Trading	100% Hashrate Engine Output
Price Mechanism	Whales Manipulation	Dynamic Hashrate Weighting, Time Decay Curve
Project Screening	No Threshold, Worthless Token Flooding	LP Staking
Value capture	Purespeculative trading	Highly sticky users

## 1.8 Value Symbiosis Engine

ComFox introduces the "Value Symbiosis Engine," leveraging smart contracts and decentralized governance mechanisms to align the interests of projects and early supporters. This mechanism attracts real, high-quality users, laying a solid user foundation for project development.

User Investment → Deflationary Mining → Reward Distribution → Community Fission → Liquidity Enhancement → Value Feedback

The "Value Symbiosis Engine" fosters deep interaction between projects and communities, forming a stable, sustainable consensus foundation. It enhances community identification with and support for projects, driving development in a healthy ecological environment.

# 02



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## technology

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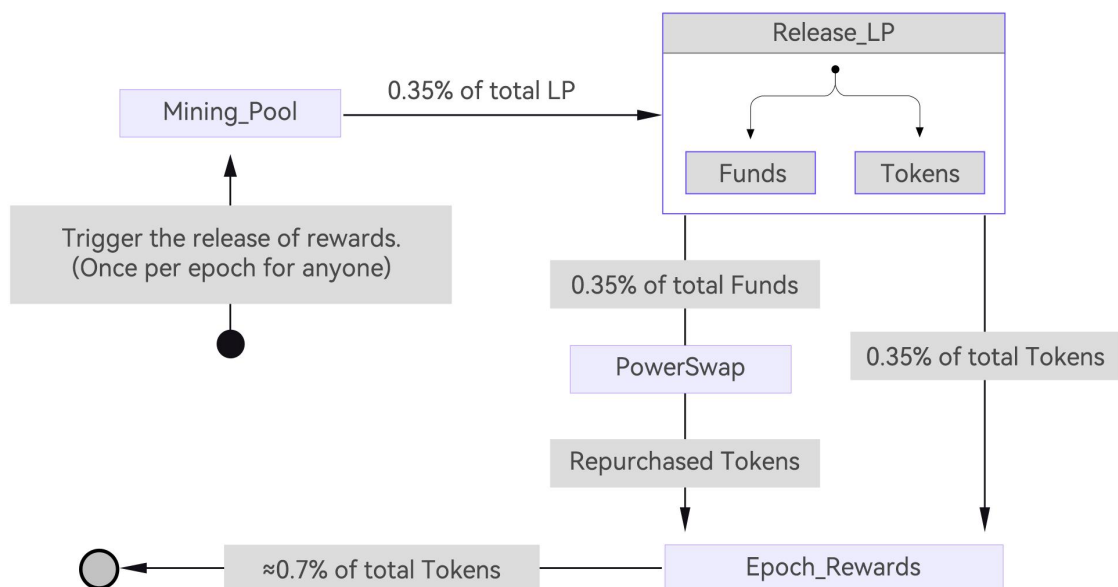
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## 2.1 Terminology

- **LPH:** Liquidity Pool Hashrate, obtained through purchases in the ComFox DApp.
- **Epoch:** On the Base chain, one Epoch equals 43,200 blocks, approximately one day.
- **M Value:** M stands for "Me". It represents the new LPH rewards generated by an account within one Epoch.
- **U Value:** U stands for "You". It represents the sum of new LPH rewards generated by all direct referrals within one Epoch.
- **TH:** Team Hashrate, calculated based on one's M value and U value using a formu-

## 2.2 Daily Mandatory Reward Release

Rewards are released once per epoch. When the reward release time arrives, anyone can call the `releaseRewards` method in the `MiningPool` contract to trigger the reward release. Once rewards are released, users can immediately view or claim their earnings.



## 2.3 On-Chain Automatic Dividend Algorithm

### 2.3.1 Cause

The traditional dividend calculation formula is:

$\text{MyDividend} = \text{MyHashrate} * (\text{DividendAmount} / \text{TotalHashrate})$ .

At dividend time, the dividend amount must be calculated for each user. When the number of users is large, on-chain calculations consume significant gas, sometimes even causing the smart contract method to fail due to excessive gas consumption. As a result, many opt for centralized dividend calculations, which cannot guarantee fairness and transparency. If the centralized server stops running, dividend rewards cannot be claimed.

To solve this problem, ComFox's LPH mining reward distribution adopts a 100% decentralized on-chain automatic dividend algorithm.

### 2.3.2 Implementation

#### Variable Introduction

- **totalLPH**: The total LPH of the entire network. Increases when users purchase LPH.
- **usersUnitAcc**: The cumulative unit hashrate reward value.
- **myLPH**: My LPH hashrate value.
- **myDebt**: My debt value. Updated after claiming rewards.

#### Method Introduction

(1) **Reward Release**: When releasing rewards, only the `usersUnitAcc` value needs to be updated:

$\text{usersUnitAcc} = \text{usersUnitAcc} + (\text{ReleasedAmount} / \text{totalLPH})$

(2) **Real-Time Reward Calculation**:  $\text{MyPendingRewards} = \text{myLPH} * \text{usersUnitAcc} - \text{myDebt}$

### (3) Claiming Rewards

$\text{CurrentClaimableRewards} = \text{myLPH} * \text{usersUnitAcc} - \text{myDebt}$

Update My Debt:

$\text{myDebt} = \text{usersUnitAcc} * \text{myLPH}$

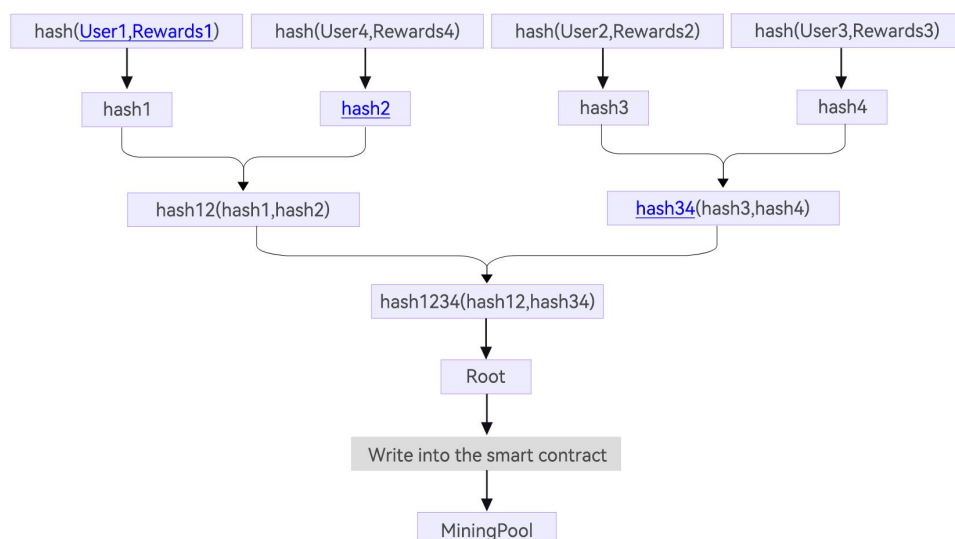
## Advantages

- **Efficiency:** Dividend calculation does not increase with the number of users, saving significant gas fees.
- **Fairness:** 100% on-chain execution ensures openness and fairness.
- **Real-Time:** Once rewards are released, users can immediately view and claim their earnings.
- **Security:** Unclaimed rewards accumulate daily. Your rewards will never be lost.



## 2.4 Zero-Knowledge Proof for Referral Rewards Distribution

Referral rewards are calculated off-chain using Merkle trees and verified on-chain (i.e., off-chain computation, on-chain proof). The source data for the Merkle tree is entirely derived from on-chain data. Anyone can use third-party tools or write their own code to calculate the Merkle tree's Root value and compare it with the Root value stored in the MiningPool contract to verify the authenticity of reward distribution.



### How to Obtain Your Reward Proof ?

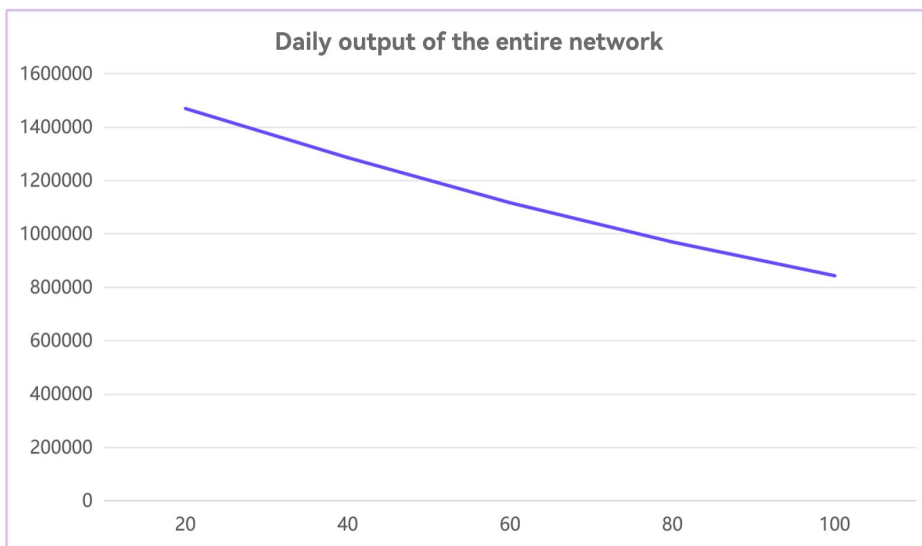
- For example, Account 1's reward proof consists of the following data: User1, Rewards1, Hash2, Hash34—essentially all data related to calculating the Root value.

### What is a Zero-Knowledge Proof ?

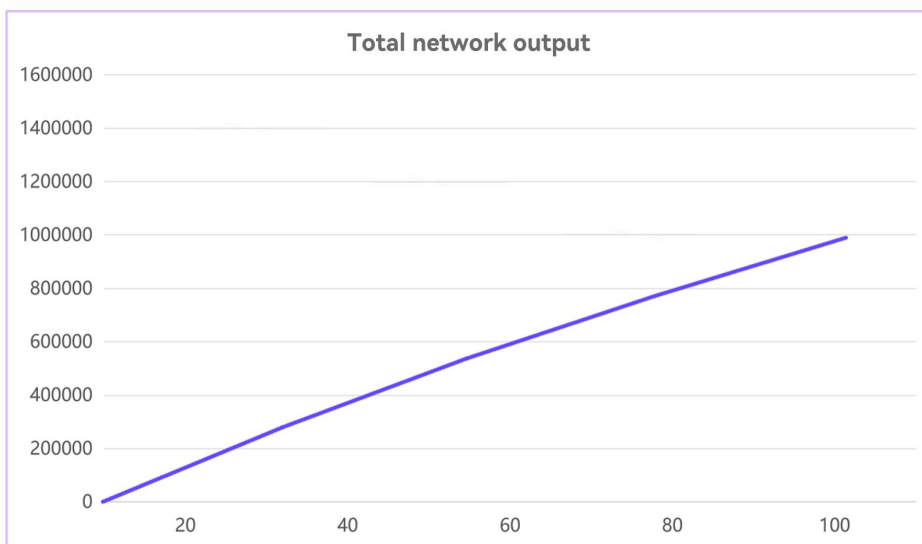
When submitting reward proof data to the smart contract, the contract calculates the Root value. If the calculated Root value matches the one stored in the contract, the proof is valid, and rewards can be claimed. Before users submit reward proof data to the contract, the contract only stores a Root value and no other user reward data. Yet, it can verify how much reward a user should receive—this is the essence of zero-knowledge proof.

## 2.5 FairMint Protocol

All tokens on the platform are 100% produced through the hashrate module, adopting a time-decay output model. The daily output is 0.7% (reference value) of the total supply, decreasing by 0.7% (reference value) the next day. This output method ensures the fairness and sustainability of token issuance, avoiding excessive concentration and abuse of tokens.



(0-100 days, daily output across the network)



(0-100 days, total output across the network)

## 2.6 PowerSwap Engine

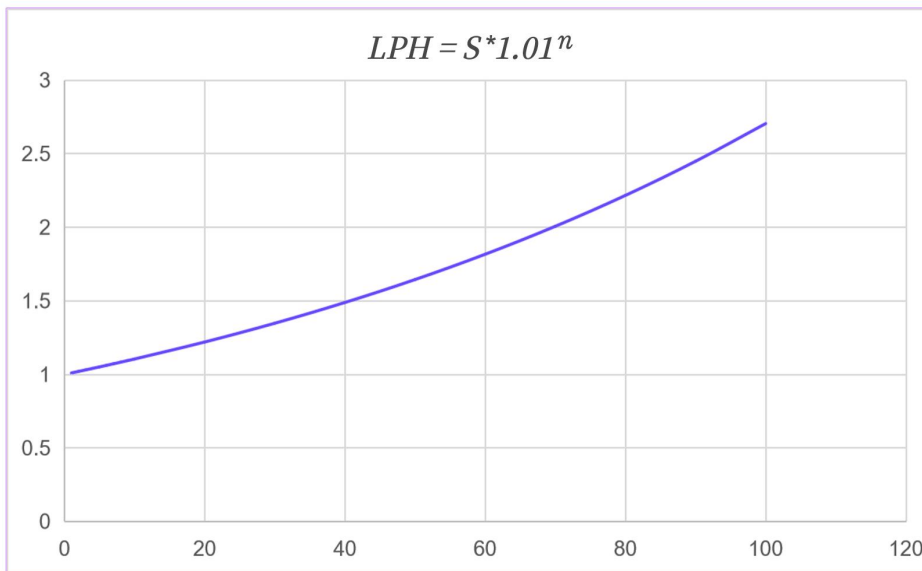
The FairMint fair issuance protocol dynamically adjusts the hashrate weight factor.

Latecomers receive a compensation coefficient  $n$  in the PowerSwap engine:  
 $LPH = S * 1.01^n$  (where LPH = LP Hashrate,  $S$  = invested capital,  $n$  = days since project launch).

For example:

User A invests \$1,000 on Day 1:  $LPH = 1000 * 1.01^1 = 1001$ .

User B invests \$1,000 on Day 100:  $LPH = 1000 * 1.01^{100} = 2705$ .



(0-100 days, hashrate weight curve; assuming  $S$  remains constant)

## 2.7 BurnDAO Mechanism

A set of automated scarcity engines integrating game theory and cryptographic commitments. Through a hardcoded 10% ultimate deflation target, it constructs a more aggressive anti-inflation grail than Bitcoin, while introducing dynamic burning accelerators to achieve quantum entanglement of market supply and demand. Every sold token is directly and fully burned, and each burn is a tribute to the early speculative civilization.



# 03



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## Economics

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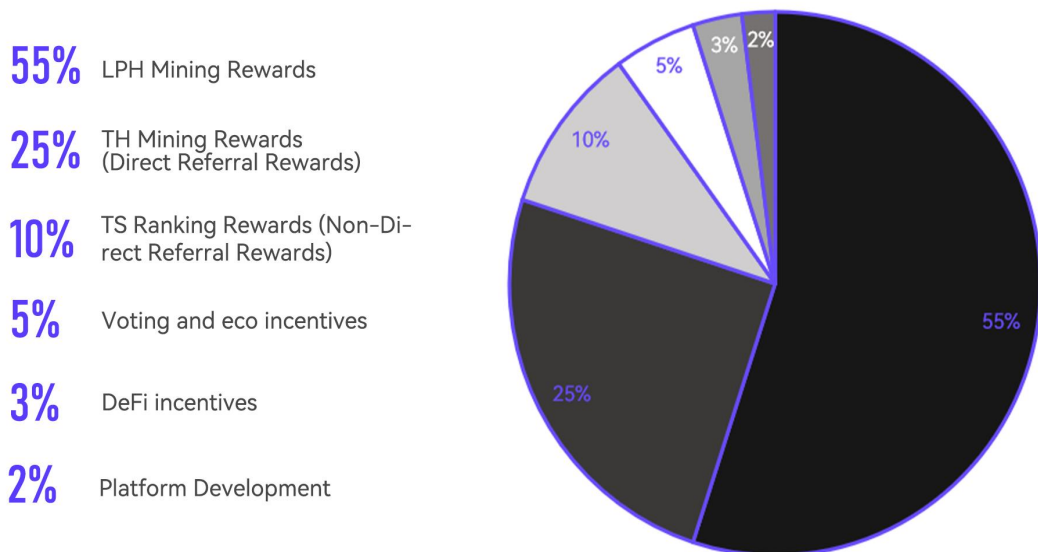
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## 3.1 Token Model

- **Token Issuance:** All issued tokens are fully injected into the liquidity pool along with the base pool funds. Initial issuance price = base pool funds / total issued tokens. All participants engage in mining issuance by adding LP.
- **Participation Method:** Purchase at least \$20 worth of LPH through the ComFox DApp.
- **Daily Unlocking:** 0.7% of the token balance in the LP pool is unlocked and re-released daily (for reference), and distributed to LPH mining rewards, TH mining rewards (direct push rewards), TS ranking rewards (non-direct push rewards), Voting and eco incentives DeFi incentives, Platform Development, etc. (The following distribution ratio is for reference only, and the actual ratio is determined by the project issuer)



## 3.2 LPH Mining Rewards

1. LPH is obtained through purchases in the ComFox DApp.

The conversion formula between LPH and funds is:

$$LPH = InvestFunds \times 1.01^n$$

$n$  = epoch, equivalent to the number of days the project has been running.

## 2. After purchasing LPH, users can earn mining rewards daily.

The LPH daily reward calculation formula is:

$$MyDailyEarningsByLPH = DailyReleasedRewards \times 55\% \times \frac{MyLPH}{TotalLPH}$$

From the above formula, it can be seen that early participation offers first-mover advantages, while late participation provides hashrate compensation.

Assuming the same capital investment, early participation yields a larger hashrate share, while late participation offers more hashrate growth benefits.

The earlier you participate, the more you benefit from price appreciation; the later you join, the more you benefit from hashrate growth.

## 3.3 TH Mining Rewards

### 1. TH is earned by inviting others to purchase LPH.

The TH calculation formula:

$$TH = U \times \left(1 + \frac{M}{M + U}\right)$$

$M$  is the new LPH rewards generated by my account within one Epoch.

$U$  is the sum of new LPH rewards generated by all my direct referrals within one Epoch.

$$U = \sum_{i=1}^n M_i$$

$M_i$  = The  $M$  value of my  $i$ -th direct referral.

$n$  = The number of my direct referrals.

From the formula, it can be seen that the larger  $U$  and  $M$ , the larger  $TH$ .

Assuming the number and capital of my direct referrals remain unchanged, increasing my LPH hashrate will increase my  $M$  value, thereby increasing my  $TH$ .

The characteristic of  $TH$  mining rewards is that the higher the daily earnings of oneself and direct referrals, the higher the referral rewards.

## 2. TH Mining Daily Reward Calculation Formula

$$DailyRewardsByTH = DailyReleasedRewards \times 25\% \times \left( \frac{MyTH}{TotalTH} \right)$$

## 3.4 TS Ranking

### 1. TS Calculation Formula:

$$TS = \sum_{i=1}^n THi$$

THi = The TH value of my i-th direct referral.

n = The number of my direct referrals.

### 2. TS Ranking Rewards:

Rankings are based on TS, with the top 100 receiving rewards.

10% of the total daily released rewards are distributed to the top 100 users by TS weight.

TS Ranking Reward Calculation Formula:

$$DailyRewardsByTS = DailyReleasedRewards \times 10\% \times \left( \frac{MyTS}{\sum_{i=1}^{100} TS_i} \right)$$

TSi = The i-th user among the top 100 TS rankings.





# 04



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## Advantages

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## 4.1 Triple-Win Ecosystem

ComFox is committed to building a triple-win ecosystem:

- **For Users:** Mathematical rules ensure fairness, allowing 99% of participants to start on equal footing.
- **For Projects:** Establishing a virtuous cycle of "value creation - traffic acquisition - token appreciation."
- **For the Industry:** Converting speculative capital into constructive funds to promote the sustainable development of Web3 projects.

## 4.2 Ecosystem Advantages

ComFox builds a 3D ecosystem driven by "traffic aggregation – community governance – consensus reinforcement" to solve fragmented liquidity, weak consensus, and cold-start challenges. This closed-loop system boosts project survival and market adaptability.

## 4.3 Technical Advantages

- Built on a fully open-source architecture with real-time verifiable code and multi-layer security audits, strictly following smart contract standards and supporting full-liquidity token injection.
- Includes transparent issuance, zero pre-mining or reserves, on-chain auditable distribution, and trustless escrow mechanisms.

## 4.4 Economic Model Advantages

- ComFox integrates flash-swap and hashrate systems to create a one-way, anti-inflation economic model, using anti-manipulation contracts for stable value flow.
- Its deflationary LP mining links mining with token appreciation through input, output, sell-back, and burn-driven value growth.

## 4.5 Strengths of project issuers

Dual-core autonomous distribution and market-based Darwinian mechanisms

### Autonomous dual-core allocation

- **Sovereign allocation in the output stage:** ComFox pioneered the "Sovereignty Release Agreement", in which the project team can freely configure the ratio of daily token unlocking and the ratio of 100% allocation after unlocking (LPH mining/TH fission/TS ranking/fund, etc.)
- **Sovereign Distribution in the Sales Phase:** Of the project token sale funds, the project team can independently set the use of 97% of the funds (user revenue/replenishment of LPH/liquidity repurchase, etc.), and only 3% will be used for technical protection.

### Market Darwinian selection mechanism

- **Superiority and inferiority:** After project parties adjust the allocation ratio by themselves, the market automatically screens out high-quality projects through the Darwin selection mechanism.
- **Positive value feedback loop:** High-quality projects gain real users through the ComFox platform → token deflation brings market value growth → attracts more users to join → forming ecological siphon effect.

### Core value proposition

#### Autonomy without loss of control

- **Intelligent contract hard constraints:** through part of the rules of the contract hard bound to ensure the fairness of the basic distribution while retaining the autonomy of the project.
- **Transparent Governance Kanban:** All allocation adjustments can be checked on the chain and monitored by the community.

## Market Determinism

- Whether the allocation method and ratio you choose is in line with the market's preference, everything is left to the market.
- We hope that in ComFox platform, quality projects can grow wildly in the free market!



# Vision

## Breaking the Old

In the vast universe of blockchain, countless projects rise like stars, only to fall quickly. They fade due to a lack of real users, struggle due to insufficient liquidity, or lose their way due to a lack of consensus. In this sea of unknowns and challenges, ComFox stands as a lighthouse, illuminating the path for entrepreneurs, guiding them through the fog to embrace the dawn.

## Renewing the New

While other platforms are creating bubbles, ComFox is laying the cornerstone of the blockchain world. We believe that true decentralization is not about eliminating authority but using code to construct a higher level of fairness. When quality projects no longer perish due to non-consensus, and developers can focus solely on creating value rather than gaming and speculation. Once all the code is deployed, the entire project is truly decentralized.

**Hats off to Satoshi Nakamoto**  
**This is what Web3.0 should truly**

