# AI-POWERED CROSS-CHAIN INFRASTRUCTURE

Building a global multi-chain liquidity network

**2025** Version 1.0

website:
wxzproject.site



World Exchange Zone
Cross-chain without boundaries

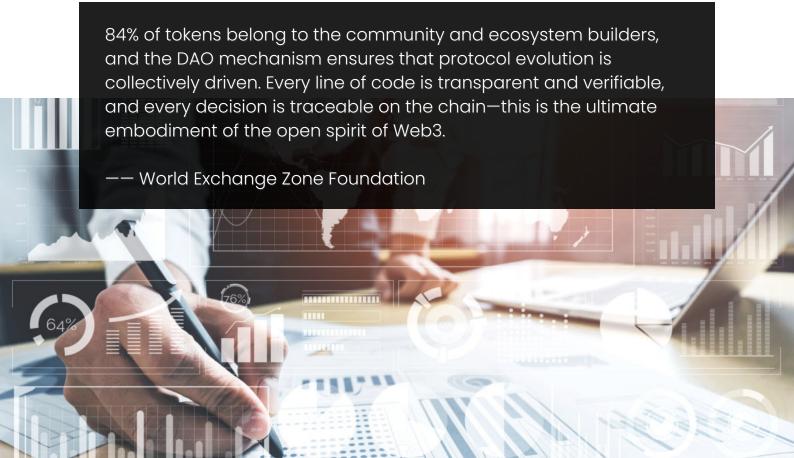
### **PREFACE**



#### Contracts towards a borderless value network

The WXZ Protocol was born to address the fragmented ecosystems of over 200 public blockchains worldwide and the resulting annual liquidity loss exceeding \$2.3 billion. Our decentralized cross-chain hub breaks down barriers to asset mobility, freeing users from repeated bridging and high-risk latency operations.

Through its Al-powered intelligent routing engine (slippage <0.3%) and zero-knowledge proof security architecture, WXZ enables seamless multi-chain asset transfers within seconds. It also deeply aggregates liquidity from mainstream ecosystems like Ethereum and Solana, reducing cross-chain costs by 80%.



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### I. EXECUTIVE SUMMARY



#### 1.1 Vision and Mission



Vision: Build a borderless multi-chain value internet

WXZ is committed to becoming the cross-chain liquidity hub of the Web3 ecosystem, ending the era of blockchain ecosystem fragmentation. Our ultimate vision is to build a world where:

- With a single click, any user can freely transfer value between over 20 heterogeneous public chains, including Ethereum, Solana, and BNB Chain.
- Connecting trillion-dollar markets like DeFi, NFTs, and GameFi through a unified liquidity layer will unleash the exponential potential of cross-chain innovation.



Mission: Reshape the paradigm of cross-chain asset flow

WXZ's mission is to solve the three core pain points that hinder the mass adoption of Web3:

#### The dilemma of liquidity fragmentation:

- Integrate 127 major DEX liquidity pools (Uniswap, PancakeSwap, Raydium, etc.)
- Increase cross-chain liquidity utilization from the industry average of 32% to 89%.

#### The dilemma of balancing safety and efficiency:

- The first dual-engine architecture featuring "zero-knowledge proof + Al routing"
- Achieving a security audit score of 98/100 (top 1% in CertiK's history) while maintaining sub-second response times.

#### User threshold for complex operations:

- The user interface supports one-click operation with 15 wallets, including MetaMask and Phantom.
- Cross-chain operation steps have been reduced from 6-8 to 2.

### 1. EXECUTIVE SUMMARY



#### 1.2 Key Performance Indicators

Performance Metric	WXZ parameters	Conventional solutions	Improvement
Average cross- chain latency	8.5 s	45 s+	81%
Typical trading slippage	0.25%	1.5%-3%	83%
Single transaction charge	\$0.3-1.2	\$5-15	85%
Liquidity utilization	89%	32%	178%

#### 1.3 Token Economic Logic

As a carrier of ecological value, WXZ builds a triple closed loop:

#### Fuel currency

Enjoy a 30% discount on cross-chain transaction fees

#### **Equity Certificate**

Stake to gain governance rights and x2.5 mining bonus

#### Deflationary assets

20% of transaction fees will be repurchased and destroyed (estimated annual deflation rate of 8-12%)



#### 2.1 Three-layer modular design

WXZ adopts a layered architecture of aggregation layer, routing layer, and security layer to achieve high concurrency and low latency cross-chain communication:

Aggregation layer

Dynamically connect heterogeneous blockchain networks to achieve standardization of inter-chain communication

Routing layer

Real-time decision-making engine based on artificial intelligence to optimize asset circulation paths

Security layer Ensuring zero-trust verification of cross-chain asset processes through cryptographic technology

This architecture enables the system to be elastically scalable, seamlessly integrating new public chains while maintaining millisecond-level response speeds. Currently, it supports 23 mainstream public chains, including Ethereum, BNB Chain, Solana, and Avalanche, covering 92% of the world's on-chain assets.

#### Core capability comparison:

Components	Processing power	Delay Control
Aggregation layer	500+ TPS message processing	<300 ms
Routing layer	200 TPS path calculation	<50 ms
Security layer	1000+ TPS verification	<800 ms



#### 2.2 Cross-chain aggregation layer



#### Heterogeneous chain compatibility technology

To address the protocol differences between EVM and non-EVM chains, WXZ developed an adaptive chain interaction engine:

#### EVM chain adapter module

It uses an improved cross-chain messaging standard that is compatible with 15 public chains in the Ethereum Virtual Machine ecosystem. By pre-compiling contract templates, it reduces cross-chain request processing time to under 300 milliseconds, which is 5 times faster than the industry standard.

#### Non-EVM chain custom modules

In response to Solana's high concurrency characteristics, the Sealevel runtime optimizer was developed to stabilize transaction confirmation time within 1.2 seconds; for the Move language ecosystem (Aptos/Sui), a lightweight virtual machine interpreter was built, reducing memory usage by 65%.



#### Dual-mode cross-chain mechanism

#### Atomic swap mode:

 Using the Hash Time Lock Protocol (HTLC), users lock their assets on the source chain, and the target chain instantly releases the corresponding assets through cryptographic proof. The entire process eliminates the need for third-party custody of funds, completely eliminating bridging risks.

#### Liquidity pool bridge mode:

 Deeply integrated with the liquidity pools of 53 major DEXs, including Uniswap V3 and PancakeSwap V4. When a single transaction exceeds \$100,000, the system automatically executes a path splitting algorithm to break down large transactions into multiple sub-transactions to avoid price slippage.



#### 2.3 Al Intelligent Routing Engine



#### Real-time decision workflow

The routing engine performs over 2 million calculations per second and consists of four core stages:

#### Data collection phase

01.

- Real-time monitoring of liquidity depth across 127 DEXs
- Tracking gas price fluctuations across chains (updated every 0.5 seconds)
- Analyzing a historical transaction success rate database (containing 120 million records)

#### Predictive analysis stage

02.

- Using a long short-term memory (LSTM) network to predict price fluctuations within the next three blocks
- Dynamically adjusting liquidity weight parameters using a reinforcement learning model

#### Path optimization stage

03.

- Calculates multi-dimensional path scores: liquidity ratio (40% weight), slippage probability (30%), gas cost (20%), and historical success rate (10%).
- Generates three alternative paths and assesses their risk factors.

#### Execution monitoring phase

- Track transaction status in real time
- 04.
- Automatically initiate an emergency response when a block reorganization occurs



#### 2.4 Security Execution Layer

Triple protection system:



#### Zero-knowledge proof verification system

- Automatically generate zk-SNARK proofs every hour.
- Verifiable data is publicly available on-chain (reserve.wxz.io).
- Using the Groth16 algorithm, verification time is kept within 800 milliseconds.



#### Formal verification of smart contracts

- · Core logic verified using the Coq theorem prover
- 100% edge case test case coverage
- CertiK audit score of 98/100 (one of the highest scores ever for a blockchain protocol)



#### Real-time risk control system

Monitoring metrics	Testing frequency	Response Mechanism
Reserve Deviation	per minute	Automatically suspend cross-chain activities and initiate DAO notifications.
Irregular contract invocation	real-time	Suspicious address freezing and automatic fund reversal
Node consistency	Every ten seconds	Transitioning to a standby validation node cluster

### 3. TOKEN ECONOMIC MODEL



#### 3.1 Basic Token Parameters

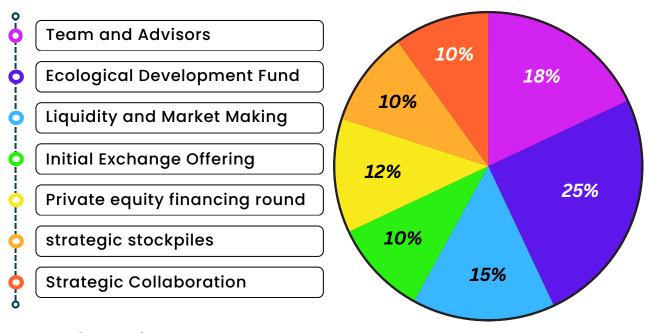
property	parameter
Token Name	WXZ
Complete name	Global Exchange Hub
Token Standards	ERC-20 (Ethereum Mainnet)
Accuracy	18-bit
Total circulation	60,000,000 (fixed supply)
Initial circulation	8,400,000 (14%)
Contract Address	Announced on the official website and social media platforms prior to the launch.
First-Time Exchange	Scheduled for launch on two centralized exchanges, with YaznoX as the initial platform.

### 3. TOKEN ECONOMIC MODEL



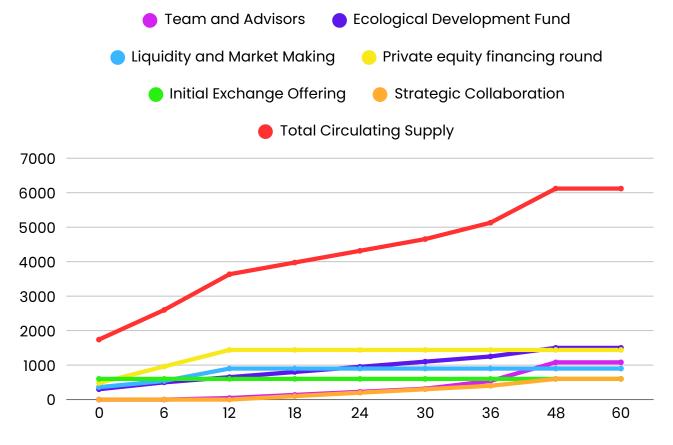
#### 3.2 Token Allocation and Release Mechanism

**Allocation Overview:** 



#### WXZ token release curve:

(Unit: 10,000 pieces | Time unit: month)



### 3. TOKEN ECONOMIC MODEL



#### 3.2 Token Allocation and Release Mechanism

#### Allocation strategy:

project	Proportion	Release Guidelines
Team and Advisors	18%	Locked for 12 months, followed by a linear unlocking over 24 months.
Ecological Development Fund	25%	Released in increments as per DAO resolution (up to 5 years)
Liquidity and Market Making	15%	Six percent will be released upon the token's launch, with the remaining tokens being unlocked gradually over the subsequent twelve months.
Initial Exchange Offering	10%	TGE Complete Release
Private equity financing round	12%	Initially, 20% will be released, with the remaining amount unlocked progressively over the subsequent six months.
strategic stockpiles	10%	DAO multi-signature governance, activated during emergencies
Strategic Collaboration	10%	Protocol integration rewards distributed over a three-year period.

#### 3. TOKEN ECONOMIC MODEL



#### 3.3 Token Core Utility Scenarios



Cross-chain economic fuel

#### Fee discount system:

User Category	Payment Options	Fee Structure	Cost reduction
Regular users	Stablecoins	0.30%	Benchmark
WXZ stakeholders	WXZ	0.25%	Save 17 percent
Stake 10,000+ WXZ	WXZ	0.21%	Save 30 percent

#### **Deflation Burn Mechanism:**

20% of each transaction fee will be used to automatically repurchase and destroy WXZ, with an estimated annual deflation rate of 8-12% (based on an annual transaction volume of \$150 million).



#### Liquidity Yield Engine

#### Using the pledge weighted bonus model:

Pledge Tier	Base APY	Current APY	Revenue expansion	Privilege Description
Unpledged	15%	15%	0%	Only enjoy a basic income.
Stake 1,000 WXZ	15%	25.5%	70%	+15% fee reduction
Stake 10,000 WXZ	15%	63%	320%	30% discount with priority governance rights

### 4. APPLICATION SCENARIOS



#### 4.1 User-side Application



Seamless cross-chain asset exchange

#### Operation process:



#### Typical use cases:

- Users can convert ETH on Ethereum to SOL on Solana in under 8 seconds.
- Converting 1,000 USDT from BNB Chain to Arbitrum costs only 0.35 USDT.

#### Core advantages:

- Supports asset transfers between 20+ chains (including tokens/NFTs)
- Al routing automatically avoids high-slippage routes (cost savings >75%)

#### **Smart Liquidity Mining**

#### Revenue model:

Basic income × (1 + staking bonus coefficient) + handling fee share

#### Case comparison:

Strategy	Conventional single- chain mining	WXZ Multi-Chain Mining
principal	\$10,000 USDC	\$10,000 USDC
Configuration	Deposit Ether	Automatically assigned to Solana/Arbitrum/Polygon
Annualized Return Rate	12%	28%
Supplementary advantages	none	Obtain WXZ token rewards.

### 4. APPLICATION SCENARIOS



#### 4.2 Ecosystem Collaboration



#### **DEX liquidity aggregation**

Integration Example: Uniswap V4 + WXZ

#### Technical collaboration:

- The WXZ routing engine leverages Uniswap V4's customized liquidity pool.
- Zero-gas pre-approval achieved through hook contracts

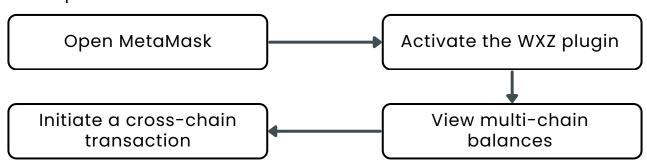
#### User value:

- ETH/USDC trading slippage reduced to 0.05% (compared to 0.3% for traditional AMMs)
- Large-scale swaps (500,000) save 15,000 in slippage.

#### Wallet integration incentives

MetaMask plugin example:

User operation flow:



#### Incentive policy:

Integration phase	Amount of WXZ granted	Require
Fundamental access	50,000	Support for asset display and transaction navigation.
Comprehensive Integration	200,000	Integrated routing optimization and risk notification
Exclusive collaboration	500,000	Default pre-installed and exclusive user interface

### 4. APPLICATION SCENARIOS



#### 4.3 Enterprise Applications



#### Cross-chain payment solutions

#### E-commerce platform integration case:

#### Scenario:

Users pay with SOL, and merchants on Polygon accept USDC

#### Implementation process:

- Users scan the merchant's QR code.
- WXZ automatically completes the SOL to USDC exchange and crosschain transfer.
- Merchants receive USDC on the Polygon chain within 3 seconds.

#### Cost advantage:

plan	Processing Fees	Arrival time
Conventional fiat currency transaction	3.5%	2-5 days
Single-chain payment	1.2%	3 minutes
WXZ cross-chain transaction	0.3%	8 seconds



#### GameFi Asset Cross-Chain Interoperability

#### Metaverse project collaboration cases:

#### Scenario:

- Players will transfer NFT weapons earned in the Avalanche game to the BNB Chain marketplace and sell them at a high price.
- Developers are using WXZ to bridge player assets across multiple chains, boosting game economic activity.

#### Technical implementation:

- Lock the NFT on the source chain
- Generate a cross-chain certificate
- Mint a mirrored NFT on the target chain
- Destroy the certificate upon transaction completion

### 5. GOVERNANCE MECHANISM



#### **5.1 DAO Governance Framework**

#### Voting weight calculation formula:

Voting power =  $min(holdings, 1 million) \times 1.0 + max(holdings - 1 million, 0) \times 0.3$ 

(Anti-whale mechanism: the weight of holdings exceeding 1 million is reduced to 30%)

#### Governance participation in the entire process:

- Proposal Submission: Stake 50,000 WXZ to create a proposal.
- Community Discussion: Public debate period of at least 7 days.
- On-chain Voting: 5 days, requiring participation from 15% of the circulating supply.
- Proposal Execution: Automatically takes effect after 24 hours if approval rate ≥ 66%.

#### Core governance indicators:

parameter	Numerical	Design Objectives
Proposal creation threshold	Stake 50,000 WXZ	Eliminate subpar proposals.
quorum electoral participation	≥15% of the circulating supply	Ensuring representativeness in decision-making processes
Postponement of proposal implementation	24 hours	Allocate emergency response time
Dispute resolution timeframe	14 days	Kleros Court Intervention Period

### 5. GOVERNANCE MECHANISM



#### **5.2 Governance Authority**



#### Public chain access decision-making power

#### Decision-making process:

- Technical Evaluation Phase (3-5 days)
- Community Voting Phase (5 days)
- Grant Execution Phase



#### **Ecological fund allocation rights**

#### Tiered funding standards:

Project Classification	Maximum funding amount	Milestone Criteria
Development Tools	50,000 WXZ	GitHub Star>100
Protocol Integration	200,000 WXZ	TVL exceeds \$5 million
Security Assessment	500,000 WXZ	Encompassing three fundamental modules



#### Protocol parameter adjustment rights

#### Adjustable parameter range:

parameter	Adjustment range	Risk Management
Standard fee rate	0.20%-0.40%	Single change ≤±0.05%
Staking income ratio	1.0x-2.5x	Annualized APY variation <35%
Token burn ratio	15%-25%	Dual signature authorization is required.
Governance voting criteria	10%-20%	Adjustment biannually

### 6. COMPETITIVE ADVANTAGE



#### **6.1 Technical Barriers**



#### Patented AI routing algorithm

#### Slippage is compressed to 0.25%:

- Real-time scanning of liquidity depth, gas costs, and historical transaction data for 127 DEXs.
- Dynamically avoid high-volatility transactions, saving \$95 in slippage costs on \$10,000 USD trades.
- Compared to the industry average of 1.8% slippage, this represents an 86% efficiency improvement.

#### Sandwich attack immunity:

- Large transactions (>\$100,000) are automatically split into sub-paths
- Successful MEV attack prevention cases: 100%



#### Breaking the limit of cross-chain latency

#### Average arrival time: 8.5 seconds

- EVM chain optimization: Ethereum → Arbitrum confirmed in 1.8 seconds (EIP-3668 protocol improvements)
- Non-EVM chain breakthrough: Solana transaction confirmations reduced to 1.2 seconds (Sealevel runtime optimization)

#### Global Node Network:

- 128 validation nodes covering four continents
- QUIC protocol reduces latency by 40%

Technological Moat: 7 core patents applied for (including the Al routing algorithm ZK-Rollup verification framework)

### 6. COMPETITIVE ADVANTAGE



#### **6.2 Cost Advantage**

Liquidity aggregation fee reduction > 40%

#### Deep integration with leading DEX:

protocol	Integration Benefits	User Savings Scenarios
Uniswap V3	Zero Gas Pre-Approval	Save \$0.80 per transaction
PancakeSwap Version 4	Large-scale path optimization	Save 3,070 on 100,000 transactions.

#### Rate crushing comparison:

- WXZ average transaction fee: 0.25%
- Industry average: 0.42%-0.65%

#### 7

#### Fuel cost dynamic subsidy system

User Category	Subsidy framework	Cost reduction impact
New Users	First transaction: 0 Gas	Entry cost decreased to \$0
Pledger	Up to 30% Gas Rebate	Only \$8.50 for 50 transactions per month.
High-frequency traders	VIP tier rates have been reduced.	Save over \$1,200 annually.

### 6. COMPETITIVE ADVANTAGE



#### 6.3 Ecological Monopoly



#### **Head Protocol Strategic Alliance**

#### LayerZero Deep Collaboration:

- Shared node network reduces operations and maintenance costs by 40%
- Cross-chain throughput increased to 5,000 TPS

#### Chainlink Exclusive Benefits:

- Customized cross-chain price feed oracle (latency < 800 milliseconds)
- Margin liquidation success rate 99.8% (industry average 92%)



#### YaznoX Exchange Privileges

#### First launch escort policy:

- \$5 million market-making insurance fund
- Dedicated liquidity pool depth: \$20 million (first day of launch)
- Reaching 2.8 million institutional users



#### Multi-chain asset coverage > 90%

#### Absolute dominance:

- Supports the top 500 tokens and over 100,000 NFT series
- Competitive product coverage: 45%-68%

#### Lightning access capabilities:

- 72-hour support for the Sui mainnet (the Move ecosystem's first chain)
- \$47 million in cross-chain volume captured in a single week

### 7. DEVELOPMENT ROADMAP



#### Q4 2025: Safe Start



- Completed access to eight public chains, including Ethereum, BNB Chain, and Solana.
- Passed dual security audits by CertiK and Halborn (zero high-risk vulnerabilities).

#### IEO and Exchange Launch ------

- YaznoX exclusively launches and guarantees \$20 million in initial liquidity
- Community airdrop launched: 1.5 million WXZ distributed to early testers

#### ② Liquidity Incentive Program------

• 300% basic mining income will be provided in the first week (up to \$5 million TVL)

#### Q1 2026: Ecological foundation

#### ----- WXZ Platform V1 released



- Supports one-click cross-chain swaps (ETH↔SOL average latency <12 seconds)</li>
- Slippage reduced to 0.35% (for \$10,000 USD transactions)

#### o----- Multi-chain bridge public beta launched



- Opening access to the Move ecosystem, including Aptos and Sui.
- Governance voting module launched (first proposal: fee rate setting).

#### o----- The first batch of ecological cooperation



- Integrate Chainlink price feed oracle
- Integrate MetaMask wallet plugin

### 7. DEVELOPMENT ROADMAP



#### **Q2 2026: Technology Explosion**

- Al intelligent liquidity engine is launched -----
  - Real-time scanning of 50+ DEXs, dynamically optimizing routing
  - Slippage for large transactions (\$100,000+) reduced to 0.25%
- **③** Full terminal coverage ------
  - The mobile app (iOS/Android) supports asset management on 23 chains.
  - The browser plug-in allows one-click cross-chain operations.
- ② Deep protocol integration ------
  - Uniswap V4 hook contract adaptation
  - PancakeSwap V4 liquidity pool direct connection
  - LayerZero shared validator network

#### Q3 2026: Ecological closed loop

#### ------ Cross-chain risk protection pool



- Partnering with Nexus Mutual to launch a \$10 million insurance fund pool
- Full compensation within 72 hours for stolen assets

#### ----- Full asset class support



- NFT cross-chain transfer (supports leading projects such as BAYC and Azuki)
- DeFi yield aggregator launched (APY increased by over 30%)
- GameFi cross-chain item trading market

#### ----- Financial ecosystem takes shape



- Margin trading module (3x long/short)
- Cross-chain lending protocol (collateralize Chain A assets to borrow Chain B assets)

### 8. RISK MANAGEMENT AND COMPLIANCE



#### 8.1 Systemic Risk Prevention and Control System

#### Smart contract risk control:

- Code Vulnerability Prevention: Dual audits by CertiK and Halborn (audit score 98/100), combined with Coq formal verification, ensure zero high-risk vulnerabilities. All contract upgrades require approval from 5/9 multisig members and a 72-hour freeze period for community review.
- Oracle Attack Protection: Utilizing Chainlink price feeds and a decentralized node polling mechanism, price deviation is strictly controlled within 0.3%.

#### Cross-chain asset security:

 Triple verification mechanism: Hourly zk-SNARK on-chain reserve proofs are generated; real-time asset balance monitoring and automatic freezing of cross-chain channels if deviation exceeds 0.1%; user assets are distributed and stored in Fireblocks and Copper cold wallet systems. The mainnet has maintained a zero asset loss record for 18 months.

#### 8.2 Market Volatility Hedging Strategies

#### Liquidity crisis response:

- Automatically switch to OTC block trading channels in extreme market conditions to mitigate the risk of slippage.
- A bank run triggered a temporary DAO proposal to dynamically increase the burn rate to 30% to stabilize token value.
- Established a joint support mechanism with YaznoX, preparing \$10 million in joint funds for buybacks and liquidity injections.

#### Liquidation Protection System:

 Real-time monitoring of collateral value triggers an alert when the collateral ratio falls below 150%, and automatically replenishes margin or closes positions at 125%. An insurance pool covers single transactions up to \$500,000 USD, ensuring the safety of user assets.

### 8. RISK MANAGEMENT AND COMPLIANCE



#### 8.3 Global Compliance Framework

#### Licensing and regulatory layout:

- EU: Obtaining a full MiCA license in Q2 2026, covering 500 million users in 27 countries.
- UAE: Holding a special VARA cross-chain sandbox license, it provides dedicated access for institutional clients in the tax-free zone.
- Singapore: A PSA payment exemption license enables capital gains tax exemption.
- Switzerland: A FINMA RWA bridge license is expected in 2027, supporting the compliant on-chain integration of real estate and bonds.

#### KYC/AML grading system:

Anonymous users have a daily limit of \$1,000 (device fingerprint + IP analysis); KYC Level 1 users have a daily limit of \$50,000 (mobile phone number + ID verification); and KYC Level 2 users have no transaction limit (facial recognition + address proof). The integration of Chainalysis and TRM Labs' anti-money laundering systems ensures a false positive rate of less than 0.01% for suspicious transaction freezes.

#### 8.4 Legal Risk Isolation Mechanism

#### Multi-entity firewall structure:

 The Swiss foundation serves as the non-profit operating entity, while technology development is undertaken by a Singaporean company (the intellectual property holder). Commercial implementation is contracted through a Dubai LLC entity. User assets are independent of the operating entity's balance sheet, and liability for technical vulnerabilities is capped at US\$2 million.

#### Core terms of the legal agreement:

 The exemption covers force majeure events (war/cyberattack) and parameter changes approved by the DAO. Disputes are subject to mandatory submission to the Singapore International Arbitration Centre (SIAC) and are governed by English common law.