



AQX MetaQuant System (AQX) Token Whitepaper

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Foreword

Artificial intelligence is reshaping every corner of the financial world, while blockchain technology provides it with unprecedented transparency, verifiability, and decentralized foundation. Traditional quantitative investment has long been constrained by high barriers, closed ecosystems, and trust issues, with the vast majority of individual investors only able to passively accept market average returns, unable to truly participate in the process of value creation.

AQX MetaQuant System (AQX MetaQuant System) is committed to breaking this barrier. We have built a fully decentralized AI quantitative infrastructure, allowing any user worldwide with basic financial knowledge to easily access institutional-level strategy generation, optimization, and execution capabilities; enabling excellent strategy developers to obtain sustainable returns in an open market; allowing all participants to truly own the platform's future through token economy and community governance.

AQX token is the core link of the entire ecosystem: it is the fuel for computing power, data, strategies, and liquidity, as well as the credential for governance rights, revenue sharing, and long-term incentives.

We sincerely invite every one of you interested in intelligent finance, decentralized protocols, and AI economy to join this revolution. Thank you for your attention and trust.

Table of contents

1. Project Introduction	04–05
2. Industry Background and Market Opportunities	06–07
3. Technical Architecture	08–09
4. AQX Token Ecosystem	10
5. Token Economic Model	11–12
6. Governance Structure	13
7. Business Model and Value Capture	14
8. Development Roadmap	15
9. Team and Partners	16–17
10. Disclaimer and Risk Disclosure	18



1. Project Introduction

1.1 Project Vision and Mission

AQX's vision is to establish the world's leading decentralized AI meta-quantitative ecosystem, achieving true democratization of quantitative investment, allowing every user to equally access, contribute to, and benefit from the most advanced intelligent investment capabilities. Our mission is to completely eliminate technical barriers, trust gaps, and centralized monopolies in the quantitative field by integrating the most cutting-edge generative AI, reinforcement learning, and blockchain technology, creating an open, transparent, self-evolving investment protocol and economy.

1.2 Core Pain Points and Solution Value

The traditional quantitative investment system has long had extremely high entry barriers, requiring expensive computing power, professional teams, and massive alternative data; strategies are highly homogenized leading to enhanced market efficiency and rapid alpha decay; black-box operations and opacity make it impossible for users to verify the true performance and risk control capabilities of strategies; centralized platforms charge excessively high fees, with limited benefits for strategy creators and liquidity providers; at the same time, there is a lack of effective community long-term incentive mechanisms, making it difficult for excellent talents to continuously contribute and iterate. AQX significantly lowers technical and capital barriers through AI automated generation and continuous optimization of strategies; establishes a decentralized strategy market and portfolio engine, supporting global developers to upload, trade, and lease strategies; adopts on-chain performance records and auditable execution to ensure complete transparency of every revenue source; introduces tokenized multi-layer incentive mechanisms covering multiple roles such as strategy contribution, computing power provision, liquidity supply, and governance participation; and through DAO community governance, allows token holders to directly decide fee adjustments, feature upgrade directions, and ecosystem expansion paths, thereby achieving high alignment of interests and long-term sustainable development.

1.3 AQX's Birth and Positioning

The AQX project was launched by the core team of Veriston Investment Lab at the end of 2024, stemming from the team's profound consensus that "AI will completely restructure asset management, and blockchain is the only underlying infrastructure that can make AI finance truly inclusive and credible."

The underlying infrastructure." AQX is ultimately positioned as an organic combination of AI-native quantitative protocol, decentralized strategy economy, and community autonomous investment infrastructure.





2. Industry Background and Market Opportunities

2.1 Current Problems in Quantitative Trading and AI Investment Fields

The global quantitative asset management scale has exceeded 5.5 trillion USD, but over 95% of it is concentrated in the hands of top hedge funds and large asset management institutions. Retail investors can hardly obtain quantitative tools of the same level, and existing so-called "retail quantitative" products are mostly simplified centralized SaaS services, with strategies completely closed, performance not independently verifiable, and fee structures highly opaque.

2.2 Analysis of Limitations in Traditional Systems

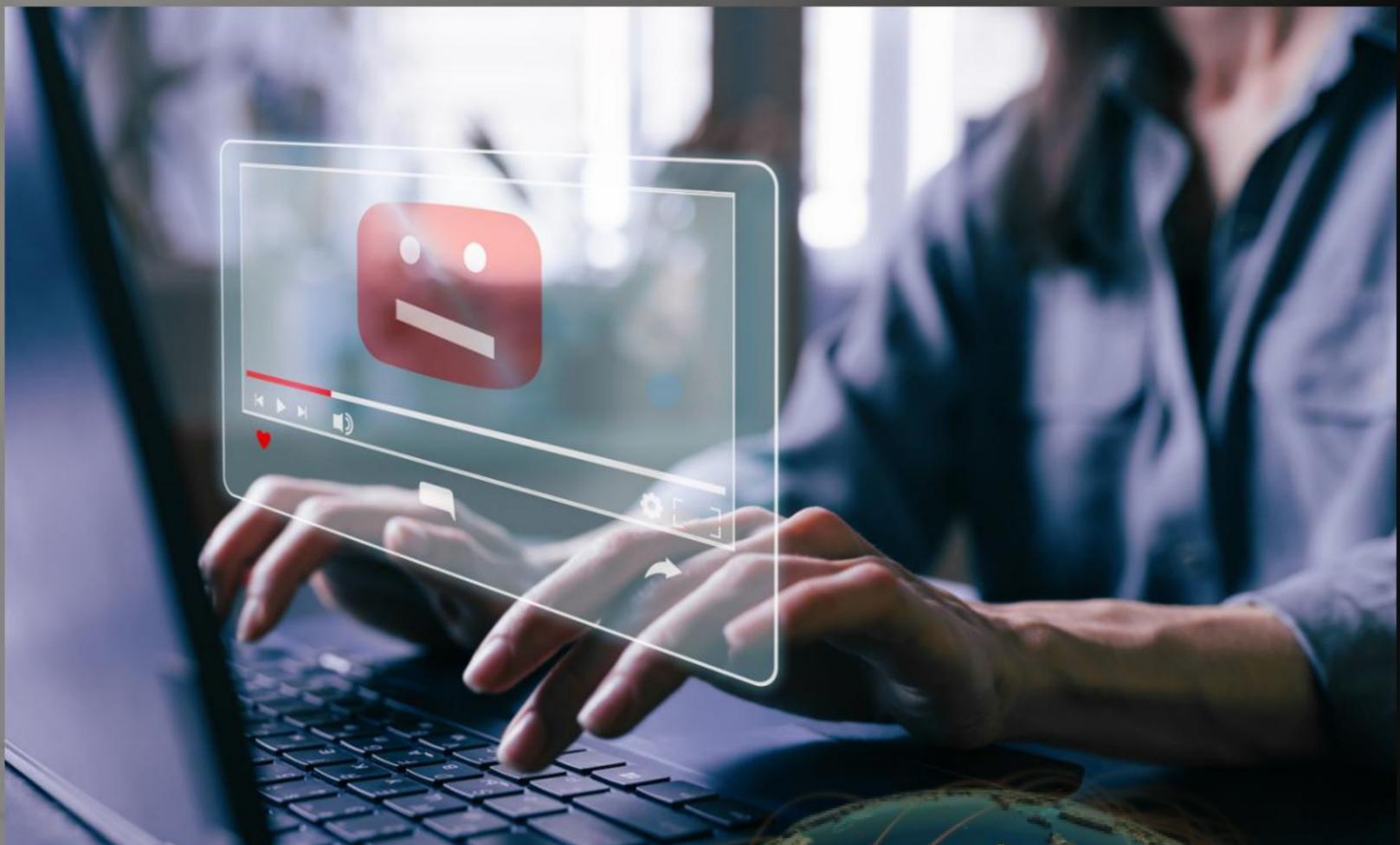
In traditional quantitative systems, strategy research and development heavily rely on manual research, with slow iteration speed, unable to quickly adapt to frequent market regime switches; data and computing resources are highly concentrated, making it difficult for small and medium developers to access high-quality training materials; there is serious interest misalignment between platforms and users, with high management fees and performance fees mainly flowing to centralized operators; at the same time, there are obvious single points of failure and trust risks, where hacker attacks, internal manipulation, or operational errors can cause huge losses; in addition, there is a lack of true open ecosystem, making it difficult for excellent strategies to freely circulate and flexibly combine between different platforms.

2.3 Revolutionary Opportunities Brought by AI + Blockchain Integration

Generative AI is already able to autonomously generate trading logic, automatically optimize parameters, and achieve risk control, while blockchain provides immutable performance ledgers, programmable incentive mechanisms, and true decentralized governance capabilities. The deep integration of the three is expected to give birth to a truly "self-growing, self-evolving" quantitative economy, allowing strategies, computing power, data, and liquidity to freely flow and continuously optimize in an open network.

2.4 Market Size, Trends, and Growth Potential

The global quantitative hedge fund asset management scale is expected to exceed 10 trillion USD by 2030; the AI-driven investment tool market is expected to achieve a compound annual growth rate of 35%-45% between 2025-2030; the TVL of quantitative categories in DeFi protocols is growing rapidly, and on-chain executed quantitative strategies have become an emerging mainstream direction; overall, the potential market size of decentralized AI quantitative infrastructure is expected to reach hundreds of billions of USD in the coming years.





3. Technical Architecture

3.1 Overall Framework of AQX MetaQuant System

The AQX system adopts a clear four-layer modular design: the top layer is the strategy generation layer, where the AI engine is responsible for strategy generation, optimization, backtesting, and portfolio; the second layer is the execution layer, based on blockchain to implement order book management, real-time settlement, and performance recording; the third layer is the incentive and governance layer, achieving ecosystem self-balancing through token distribution, DAO voting, and dynamic parameter adjustment; the bottom layer is the infrastructure layer, including decentralized oracle, distributed GPU network, and open data market.

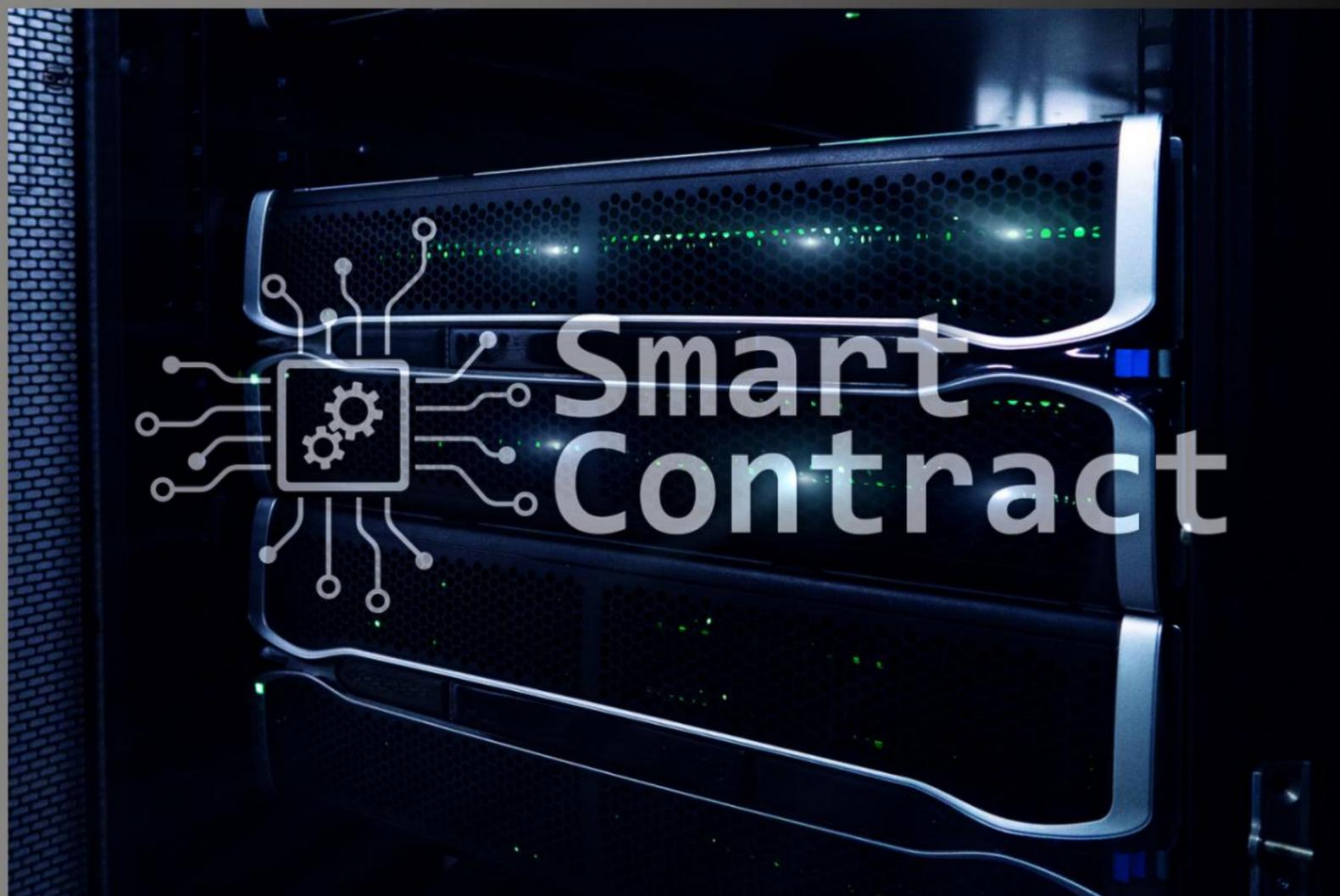
3.2 Core AI Quantitative Engine Technology

AQX's core AI engine adopts a hybrid model architecture, where temporal Transformer and Diffusion models are responsible for high-precision signal generation, reinforcement learning algorithms (PPO and SAC) are used for continuous optimization and risk adaptation of strategies, and genetic algorithms combined with Bayesian Optimization achieve efficient hyperparameter search and evolutionary iteration of strategy pools. The engine natively supports adaptive switching of multiple asset classes, multiple time frames, and multiple market regimes.



3.3 Blockchain Underlying Implementation and Selection

The system mainnet is built based on high-performance EVM-compatible Layer1, and combines Optimistic Rollup or ZK-Rollup technology to achieve sub-second confirmation and extremely low gas fees, while supporting cross-chain bridging of mainstream assets, ensuring users can operate seamlessly between different chains.



3.4 Smart Contract Design

Core smart contract modules include Strategy Vault for strategy registration, leasing, portfolio, and revenue tracking, Performance Oracle responsible for aggregation and verification of on-chain real performance, Reward Engine for automatic distribution of multi-role rewards, and Governance DAO module supporting proposal, voting, and execution process with Timelock.

3.5 Multi-Layer Security Protection Mechanisms

The system adopts multi-signature combined with 72-hour Timelock mechanism to strictly control upgrades and key fund parameters; all core contracts undergo continuous third-party audits and formal verification; the platform automatically extracts 10% from revenue to inject into the black swan insurance pool; at the same time, deploys real-time anomaly monitoring and emergency pause mechanisms, and protects user privacy through decentralized identity and zero-knowledge proof technology.



4.AQX Token Ecosystem

4.1 Core Role of Token in the Ecosystem

AQX token is the fuel and equity credential of the entire system, users can use it to pay for strategy leasing and portfolio fees, stake to obtain computing power priority scheduling rights and governance voting rights, incentivize strategy contribution and liquidity provision, participate in DAO proposals and voting, and other core activities.

4.2 Main Participant Roles and Interactions

The ecosystem includes strategy developers, who upload strategies and obtain returns through leasing fees and performance sharing; computing power providers contribute GPU resources and receive AQX rewards; liquidity providers provide liquidity for strategy pools or trading pairs, earning transaction fees and additional incentives; ordinary users can lease strategies, build portfolio investments, and stake to participate in governance; node operators maintain network stability and receive block rewards.

4.3 Key Application Scenarios and Closed-Loop Design

Users can one-click lease top strategies through the strategy market, use the portfolio builder to customize multi-strategy portfolios and have AI automatically optimize weights, achieving fully automated on-chain investment portfolio execution; revenues are automatically distributed proportionally to strategy developers, computing power providers, and other contributors through performance sharing closed-loop, forming a complete value cycle.

4.4 Ecosystem Expansion Path

In the future, the system will gradually support more asset classes, integrate more mainstream blockchains, access external data markets, and achieve cross-protocol strategy calls and portfolios, further expanding ecosystem boundaries.





5.Token Economic Model

5.1 Basic Information

Token Name: AQX

Symbol: AQX

Total Supply: 1 billion tokens

Decimals: 18

Contract Standard: ERC-20 (compatible with multiple chains)

5.2 Allocation Structure and Proportions

Community and Ecosystem Incentives: 45%

Liquidity and Market Launch: 15%

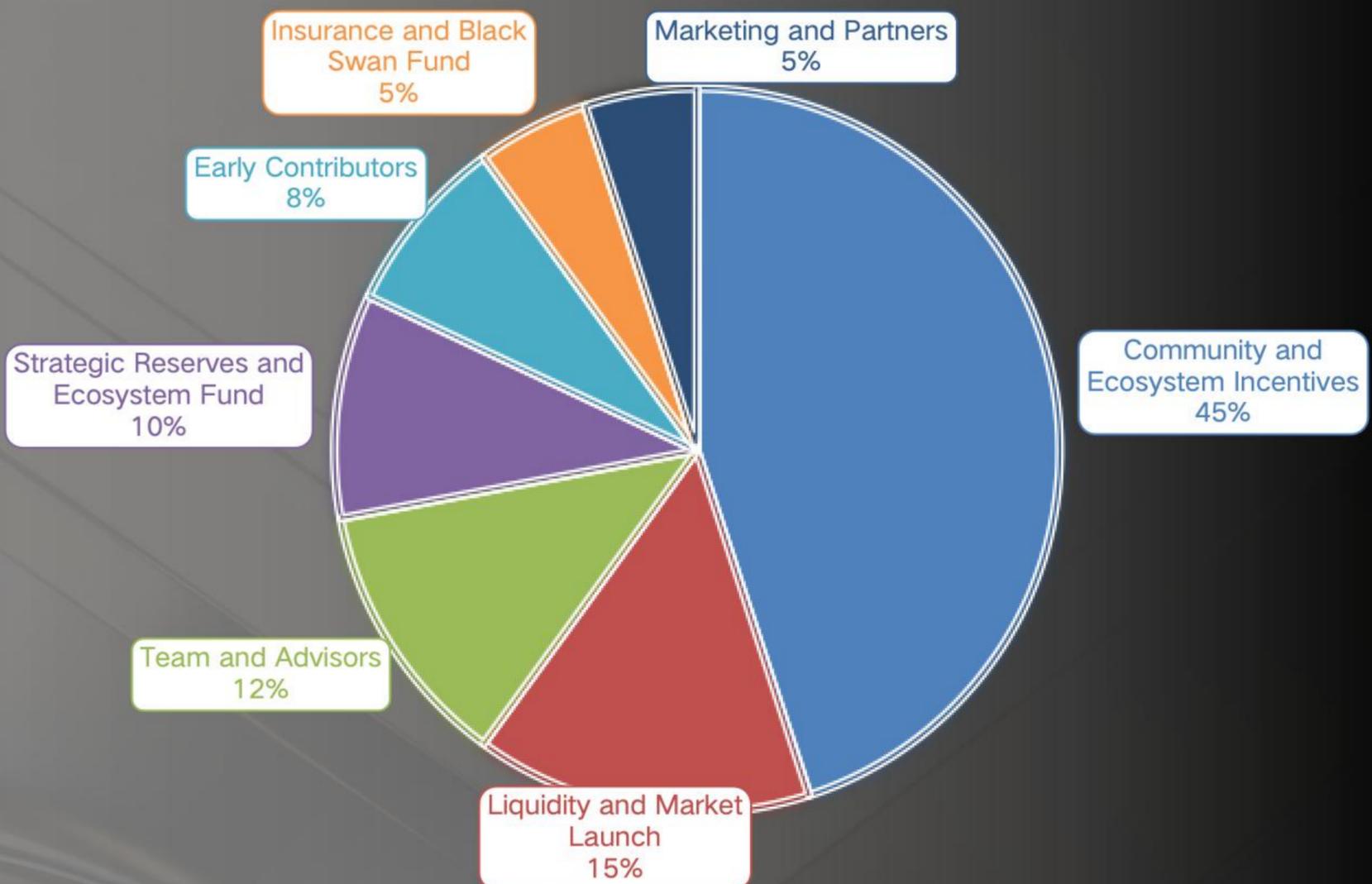
Team and Advisors (4-year vesting): 12%

Strategic Reserves and Ecosystem Fund: 10%

Early Contributors (locked release): 8%

Insurance and Black Swan Fund: 5%

Marketing and Partners: 5%



5.3 Release, Unlocking, and Vesting Plan

Team and early contributors: 4-year linear release, first-year cliff 1 year

Ecosystem incentives: linear release quarterly, dynamically adjusted based on actual usage

Strategic reserves: DAO governance decides release rhythm

5.4 Deflation and Burn Mechanisms

30% of platform transaction fees used for buyback + burn AQX

Part of strategy leasing fees, portfolio management fees enter burn pool

Long-term goal: achieve deflationary pressure increasing with TVL and trading volume growth

5.5 Value Capture and Long-Term Incentive Design

All platform revenues (strategy fees, gas subsidies, portfolio management fees, etc.) partially flow back to AQX holders, achieving value closed-loop through staking dividends, buyback burns, and governance incentives.





6. Governance Structure

6.1 Community Governance Philosophy

AQX adopts a progressive decentralization path, initially with the core team responsible for key guidance and risk control, gradually transitioning to a mature stage of complete community autonomous decision-making.

6.2 DAO Framework Overview

The governance framework is based on a dual-layer model of Snapshot off-chain voting combined with on-chain execution, supporting the complete process from proposal initiation, community discussion, token-weighted voting to final execution.

6.3 Proposal, Voting, and Execution Mechanisms

Proposals require holding or staking at least 0.5% of total supply AQX as threshold, voting period is 7 days, after passing set 72-hour Timelock delay for automatic execution, to ensure security.

6.4 Governance Token Usage Rules

Users obtain veAQX (vote escrow credential) by staking AQX, the longer the lock-up time the higher the voting weight, used for weighted participation in various governance decisions.

6.5 Governance Evolution Roadmap

Initially core parameters managed by multi-signature; mid-term gradually open some parameters to DAO voting; long-term goal is to achieve full community autonomy.





7. Business Model and Value Capture

7.1 Overall Platform Business Logic

AQX adopts a "strategy as a service + infrastructure as a service" dual-wheel drive model, users pay to use AI quantitative capabilities, the platform extracts reasonable transaction fees and returns most revenues to ecosystem participants.

7.2 Main Revenue Sources

Revenues mainly come from strategy leasing and subscription fees, portfolio management and rebalancing fees, cross-chain bridging and gas subsidy fees, as well as transaction fees from advanced data and computing power markets.

7.3 Token Holder Incentive Mechanisms

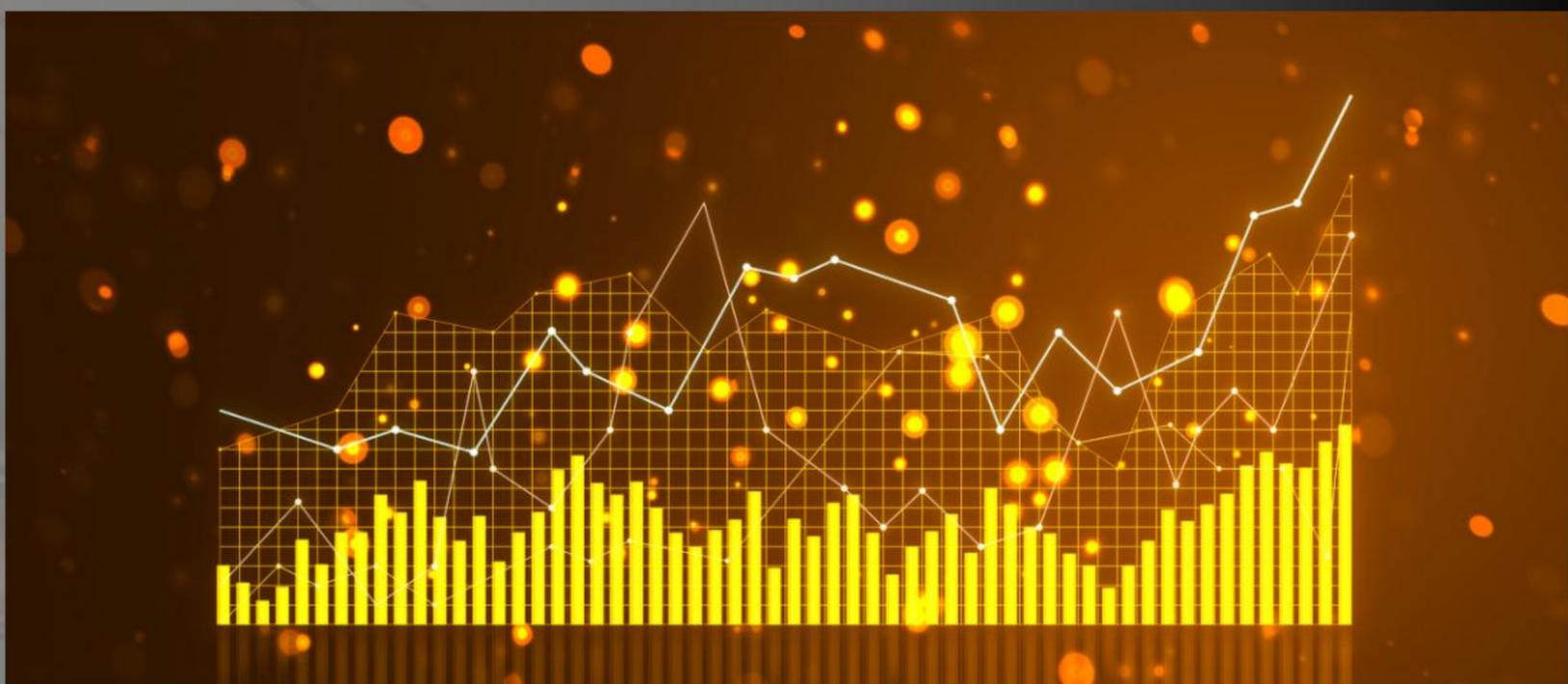
40% of platform revenues used for staking dividends, directly distributed to stakers proportionally; 30% used for market buyback and burn; at the same time set long-term lock-up bonuses and governance participation bonuses, further incentivizing holding behavior.

7.4 Revenue Distribution and Application Scenario Linkage

Performance revenues generated by strategies are automatically distributed proportionally to developers, computing power providers, and platform ecosystem fund through smart contracts, forming tight value linkage.

7.5 Strategic Cooperation and External Value Synergy

The system has established deep integration relationships with mainstream DeFi protocols, oracle providers, data suppliers, and will further amplify ecosystem value through more strategic cooperations in the future.





8. Development Roadmap

8.1 Past Key Milestones

- 2024 Q4: Project launch, core AI engine prototype completed
- 2025 Q2: Testnet deployment, first batch of strategy developers onboarded
- 2025 Q4: Mainnet Beta launch, token generation event

8.2 Current Stage Focus (Early 2026)

- Mainnet official launch
- First strategy market and portfolio tools open
- Liquidity launch and major DEX listings

8.3 Mid-Short Term Planning (2026-2027)

- 2026 Q2: Layer2 optimization, low-gas full implementation
- 2026 Q4: Multi-chain expansion, external data market
- 2027 Full Year: DAO full autonomy, insurance pool scaling

8.4 Long-Term Ecosystem Goals

Build an AI quantitative super protocol covering global asset classes, becoming the infrastructure layer in the intersection of DeFi and AI.





9. Team and Partners

9.1 Core Team Members

Joseph Adrian Pierce – Chief Scientist

With over 15 years of experience in quantitative trading and machine learning research and development, he has served as AI research head in multiple global top hedge funds, leading the development of multiple ultra-large-scale trading systems based on reinforcement learning and generative models. He has internationally recognized leading contributions in time series prediction, strategy adaptive optimization, and multi-asset regime switch identification, and is the core designer and technical soul of the AQX meta-quantitative engine.

Paul Isaac Bennett – Chief Technology Officer

Blockchain and distributed systems architecture expert, with over 10 years of experience in DeFi protocol and Layer1 infrastructure development, has participated in core code contributions to multiple mainstream public chains, and accumulated rich practical experience in smart contract security audits and formal verification. He is responsible for AQX system's on-chain execution layer, governance module, and multi-chain compatible architecture, ensuring the protocol's security and scalability under high load.

Lauren Michelle Anderson – Chief Product and Operations Officer

Fintech product and growth expert, with 12 years of experience across traditional finance and crypto industries, has led multiple quantitative trading platforms from 0 to 1 product iterations, and achieved significant results in user growth, strategy market ecosystem building, and community operations. She leads AQX's user experience design, strategy leasing market, and DAO governance tools implementation, driving the platform's rapid transformation from technical prototype to global ecosystem.

9.2 Advisors and Experts

The project advisory team consists of multiple senior quantitative fund former chief investment officers, blockchain security researchers, and renowned AI academic professors. They provide continuous guidance in strategy verification, risk management, protocol security, and regulatory compliance, ensuring AQX's long-term steady development in technical and business aspects.

9.3 Strategic Partners and Ecosystem Partners

The AQX project has established a deep strategic cooperation relationship with Ryan Future Technology Co., Ltd. / Ryan Future Technology Inc. The company, as a technology partner, is responsible for operating the V-SummitPoint (abbreviated VSPX, Chinese name: V-Summit Exchange) exchange platform.

There is a close business linkage between Veriston Investment Lab and Ryan Future Technology: the AI quantitative infrastructure developed by AQX meta-quantitative system and AQX token will be preferentially integrated into V-SummitPoint exchange, achieving token listing, liquidity provision, strategy execution channels, and user access closed-loop. This cooperation aims to provide efficient trading and liquidity support for the AQX ecosystem, while introducing AI-driven quantitative tools and user growth engines for V-Summit exchange, forming a two-way empowerment model between technology company and exchange, jointly promoting the global landing and scaled development of decentralized AI quantitative ecosystem.



10. Disclaimer and Risk Disclosure

Token Nature Description: AQX token is a utility governance and incentive token, not representing equity, debt, or any investment return promise.

Main Jurisdiction Compliance Stance: The project strictly complies with relevant jurisdiction laws and regulations, not opening services to users in restricted areas.

Comprehensive Risk Warning: Cryptocurrencies and DeFi have extremely high volatility and liquidity risks, which may lead to total loss of principal; smart contracts have potential vulnerability risks, although multiple rounds of audits have been conducted, still cannot completely exclude the possibility of hacker attacks; multiple risks such as market, technical, regulatory, operational may affect project development; AI strategy performance does not represent future performance, historical backtests do not constitute investment advice; behaviors such as participating in governance, staking, strategy leasing are decided by users themselves and bear all consequences.

Applicable Law and Dispute Resolution: This whitepaper and related agreements apply to relevant jurisdiction laws, disputes resolved through arbitration.

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