



TOKENAI

**NEXT-GENERATION SECURITIES
ASSET DIGITALIZATION INFRASTRUCTURE**

White Paper



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PREFACE

The global capital market is entering a new cycle of connectivity.

In the past, stock exchanges, clearing systems, cross-border payment networks, and financial institutions together built the infrastructure for global capital flows, driving corporate financing, asset pricing, and wealth allocation toward greater globalization. However, with the rapid development of the digital economy, blockchain technology, AI, and Web3 infrastructure, the structural limitations of traditional capital markets have gradually become apparent: high-quality assets are distributed across different jurisdictions and market systems, cross-border capital flows still face efficiency frictions, and the pathways for global users to participate in real asset allocation remain complex and limited. This means that capital globalization has become a reality, yet the way capital markets connect still requires a new upgrade in infrastructure.

TokenAI was born against this backdrop. Positioned as the next-generation securities asset digitalization liquidity infrastructure, the platform is committed to driving real stocks and other securities assets into the digital financial world through compliant architecture, on-chain mapping, AI technology, and a global liquidity network. TokenAI is not merely issuing digital assets, nor is it a trading platform detached from real value. Instead, under a compliant system, it establishes digitized representation, global circulation, and long-term market operation capabilities for real securities assets.

Within the TokenAI system, real stock assets provide the value foundation, compliant brokerages and custody mechanisms provide the security boundary, on-chain mapped tokens provide digital representation, the global trading network provides liquidity entry points, and AI with data systems enhance market operations, risk control, and user growth efficiency. Through the integration of “asset flow, behavior flow, and value flow,” TokenAI aims to connect real assets, global users, market behavior, and platform value into a sustainably expandable digital capital network.

As TokenAI’s first on-chain mapped U.S. stock asset, YYAI serves as a key sample of the platform’s model moving from theory to practice. It not only validates the pathway for real stock assets to enter the digital financial network but also establishes a foundational template for future access by more listed companies, more securities assets, and more global markets. As the ecosystem continues to expand, TokenAI will gradually evolve from single-asset mapping into a global securities asset digitalization network featuring multi-asset, multi-market, and multi-institutional collaboration.

TokenAI's long-term goal is not to build a short-term trading venue, but to establish a new type of financial infrastructure connecting traditional capital markets with the Web3 world. Through real asset anchoring, securities regulatory frameworks, compliant account systems, trading incentive mechanisms, global liquidity linkages, and AI technology support, the platform seeks to enable real value to achieve higher-efficiency circulation, broader market participation, and greater long-term growth potential in the digital world.

This white paper systematically expounds TokenAI's era background, platform positioning, core solutions, compliance system, technical architecture, token economy, business model, ecosystem network, and development roadmap. It represents both TokenAI's systematic thinking on the future digital capital market and the action framework for building a global securities asset digitalization liquidity network.

The financial market of the future will no longer be merely a venue for asset trading, but a network of efficient global value connectivity, continuous circulation, and intelligent collaboration. TokenAI aspires to become a vital infrastructure gateway in this process, driving real assets from traditional capital markets into the digital world and connecting global capital, global users, and global liquidity.



1. Era Background: Reconstruction of the Global Capital Market

(1) Three Major Fragmentations in the Global Capital Market

Over the past few decades, the global capital market has gradually established a worldwide capital allocation system relying on stock exchanges, clearing systems, cross-border payment networks, and large financial institutions. The capital market has driven the improvement of global corporate financing efficiency and has become the core infrastructure for wealth flow and asset allocation. According to SIFMA (Securities Industry and Financial Markets Association) data, in 2024 the total global stock market capitalization reached approximately \$126.7 trillion, and the global fixed income market scale reached approximately \$145.1 trillion. The traditional financial system still holds the world's most core asset scale, credit system, and value foundation. However, with the rapid development of the digital economy, mobile internet, and the global digital asset market, the structural problems of traditional capital markets are becoming increasingly evident. The current global capital system still has three deep-seated fragmentations:

(1) Market Fragmentation

High-quality global assets are distributed across different countries, different exchanges, and different jurisdictions. Each market has independent trading rules, account systems, settlement mechanisms, and regulatory frameworks. Although information can be synchronized globally, assets have not truly achieved efficient global circulation. Cross-market investment often faces complex account opening procedures, geographical restrictions, currency conversion, tax rules, and participation barriers caused by different trading hours. Capital globalization has been completed, but the capital markets themselves remain highly fragmented.

(2) Capital Flow Fragmentation

Cross-border capital flows are still restricted by clearing efficiency, payment pathways, compliance reviews, and custody mechanisms. Traditional cross-border financial systems typically suffer from long settlement cycles, high fees, and complex clearing chains. Capital can flow, but its efficiency is not high. Especially against the backdrop of growing demand for globalized digital trading, the liquidity efficiency of traditional financial infrastructure can no longer meet the needs of next-generation capital markets.

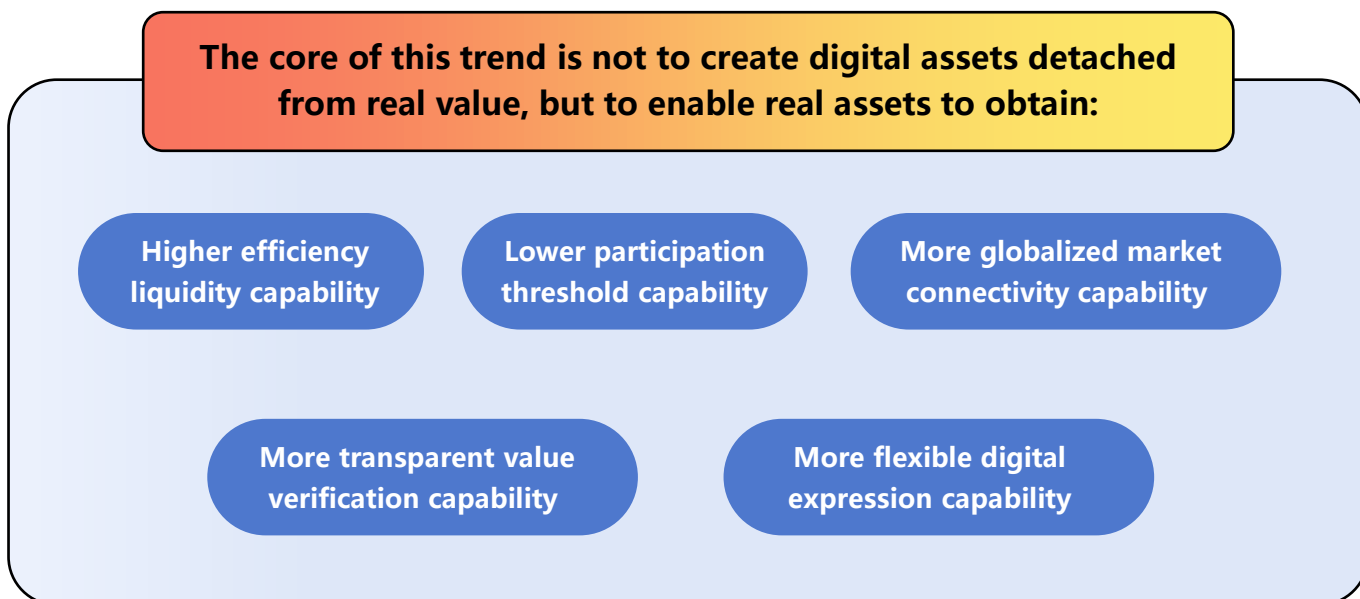
(3) Participation Fragmentation

Global users' behavioral patterns have undergone fundamental changes. The new generation of users is accustomed to mobile, community-driven, real-time, and 24/7 participation models, while traditional securities markets still mainly operate with fixed trading hours, high-threshold account systems, and regional access rules. Although a large number of global users have the demand to participate in global capital markets, they still face difficulties in efficiently entering high-quality real asset allocation systems. An increasingly obvious experience gap is forming between traditional finance and digital users.

(2) Securities Asset Digitalization Trend

With the development of blockchain technology, digital asset markets, and global Web3 infrastructure, the digitalization of securities assets is becoming an important evolutionary direction for the global financial system.

RWA (Real World Assets), Security Tokenization, on-chain mapped assets, and digital securities markets are driving real assets from traditional financial ledgers into on-chain financial networks.



BCG and ADDX predicted in industry research that the global asset tokenization market may reach \$16 trillion by 2030. Even under more conservative models, McKinsey believes the future tokenized financial asset market will reach trillions of dollars. Although different institutions have varying forecast methodologies, they all point to the same trend: real assets moving on-chain is transitioning from the conceptual stage to the industrialization stage. At the same time, the integration of TradFi (Traditional Finance) and DeFi (Decentralized Finance) is becoming an important direction of global financial innovation.

The traditional financial system possesses mature assets, regulation, credit, and legal foundations; while the digital financial system offers 24/7 trading, global user networks, low-friction liquidity, and programmable financial structures. The capital market of the future is not a substitution relationship between traditional and digital finance, but a fusion relationship. Platforms with true long-term value will simultaneously possess real asset onboarding capability, global digital liquidity organization capability, compliant financial framework capability, and digital user operation capability.

(3) Opportunities for Next-Generation Financial Infrastructure

The global capital market is entering a new stage of “asset digitalization + global liquidity network.” The core competition in future financial systems will no longer be merely competition between exchanges, but who can more efficiently connect real assets, global users, and digital liquidity. In this stage, next-generation financial infrastructure will present three core directions:

(1) Real Asset Digitalization

Stocks, bonds, equity assets, and more real-world assets will gradually obtain on-chain digital representation capabilities. Assets will no longer be limited to traditional account systems but will be able to enter global digital networks to achieve more flexible and higher-efficiency circulation.

(2) Global Liquidity Network

Future liquidity will no longer be restricted by geography or trading hours. 7×24 hour global trading, on-chain settlement, cross-market liquidity aggregation, and global user participation will become important features of next-generation capital markets. The digital world is reshaping the way capital flows

(3) AI-Driven New Financial Era

AI technology is rapidly transforming the financial industry. From user growth, market operations, and risk control to liquidity organization and data analysis, AI is becoming a key driving force for next-generation financial platforms. Future platform competition is not only about financial capability competition, but also data capability and intelligence capability competition.

2. TokenAI: Next-Generation Securities Asset Digitalization Platform

(1) What is TokenAI

TokenAI is a next-generation securities asset digitalization liquidity solution provider, committed to driving real securities assets into the digital financial world through compliant architecture, on-chain mapping, and a global liquidity network.



The platform takes real stock assets as the foundation, digital tokens as the expression method, and a global trading network as the liquidity entry point, building a digital financial infrastructure that connects traditional capital markets with the Web3 world.



TokenAI is not merely a digital asset platform, but a global capital connectivity system built around asset onboarding, on-chain mapping, liquidity organization, and market operations.



(2) Platform Mission and Vision

TokenAI's mission is to make asset trading freer, value growth more efficient, and global allocation more accessible.

Traditional capital markets have long been constrained by geography, time zones, account systems, and clearing pathways, while digital finance is reshaping global capital flows. TokenAI aims to enable global users to participate in real asset value flows with lower barriers and higher efficiency through securities asset digitalization.

TokenAI's vision is to build a true global digital financial network.

By connecting real assets, global users, and digital liquidity, the platform seeks to advance capital markets from regionalized, fixed-hour, high-threshold structures toward a new financial system that is globalized, 24/7, and programmable.

(3) Platform Target Users

TokenAI serves multiple core participants in the global capital market:

- For Listed Companies: The platform provides asset digitalization mapping, liquidity organization, and global market connectivity capabilities to help them achieve broader participation in digital capital markets.
- For Global Investment Users: The platform offers more convenient pathways to participate in real assets, allowing users to engage in real stock value flows within a digital financial environment.
- For Partner Platforms and Financial Institutions: TokenAI provides standardized asset digitalization capabilities and global liquidity services, forming cross-market collaborative networks.
- For the Web3 Digital Finance Ecosystem: The platform provides a compliant pathway for real securities assets to enter the on-chain world, introducing real assets with stronger credit foundations and long-term value into digital financial markets.

(4) The Essence of TokenAI

The essence of TokenAI is not a stock issuer, but a securities tokenization operation service platform under a compliant system. The core value of the platform lies in helping real stock assets achieve digital representation, global circulation, and long-term market operations.

Real stock assets provide the value foundation, compliant brokerages and custody institutions provide security support, on-chain mapped tokens provide digital representation, the global trading network provides liquidity, and AI with data systems enhance market operation efficiency. Therefore, TokenAI is more accurately positioned as a global securities asset digitalization connector. It connects traditional capital markets with the digital financial world, listed companies with global users, and real asset value with future digital liquidity networks.



3. Core Solution: Bringing Real Stocks into the Digital World

(1) What TokenAI is Actually Doing

TokenAI' s core solution is to use digital stocks as the medium to connect traditional capital markets with the future digital financial network.

In traditional securities markets, stocks represent the equity value of listed companies, but their liquidity has long been constrained by trading hours, account systems, geographical rules, clearing pathways, and market boundaries. What TokenAI aims to solve is not re-issuing stocks, but establishing a new globalized expression for securities assets under a compliant framework through real stock asset custody, on-chain mapping, and digital circulation mechanisms.

What users participate in is not ordinary digital assets detached from real value, but digital asset accounts corresponding to the value of real stocks. The underlying assets are received and custodied by compliant securities institutions, while the on-chain mapped tokens serve as value expression tools in the digital financial network, enabling real stocks to enter a more open, more efficient, and more globally liquid market system.

The essence of TokenAI is to upgrade real stocks from “regional assets in traditional securities accounts” to “globalized assets in digital capital networks.”

(2) Core Operational Pathway

TokenAI' s operational pathway revolves around the full digital lifecycle of real stock assets, forming a complete closed loop from asset onboarding to value redistribution.

Real Stock Assets

01

Real stock assets are the value starting point of the TokenAI system. The platform first builds an asset foundation around listed company stocks, ensuring that digital representation is not created out of nothing, but originates from real, identifiable, and verifiable securities assets.

Custody by Compliant Securities Institutions

02

Real stock assets enter the custody system of compliant securities institutions. Licensed securities firms, clearing, and custody institutions provide asset security, account management, and compliance support. The core significance of the custody mechanism is to isolate the underlying assets from platform operational risks and provide a credible foundation for on-chain mapping.

On-Chain Mapped Tokens

03

After the real assets are custodied and received, the platform converts the corresponding stock value into digital token representation through on-chain mapping mechanisms. On-chain mapped tokens are not arbitrary replications of stock rights, but digitized value certificates formed under established rules, enabling real stocks to be identified, circulated, and interacted with in the digital financial environment.

Global Liquidity Trading

04

Once on-chain mapped tokens enter the global digital trading network, the liquidity efficiency of the assets is significantly enhanced. Compared to the fixed trading hours and regionalized account structures of traditional stock markets, the digital asset form supports more flexible participation methods, broader user coverage, and higher-frequency market interactions.

Traffic Industrialization

05

TokenAI focuses not only on asset issuance but also on long-term operations after issuance. Through trading incentives, ecosystem cooperation, user growth, community dissemination, AI data analysis, and traffic operation mechanisms, the platform converts user participation behavior into platform growth momentum, enhancing asset activity and market reception capability.

Value Redistribution

06

When real assets, user behavior, market liquidity, and platform revenue form a continuous cycle, TokenAI promotes more efficient value distribution among users, the platform, listed companies, and the cooperative ecosystem through token incentives, ecological rights, platform services, and value return mechanisms.



(3) Three-in-One Liquidity System

(1) Asset Flow

Asset flow is the foundational layer of the platform. Real stock assets form verifiable, traceable, and circulable digital asset representations through compliant onboarding, custody arrangements, and on-chain mapping.

Asset flow solves the problem of “where the value comes from.” TokenAI emphasizes real stock anchoring to ensure digital assets have a solid real-world value foundation, rather than relying on pure market sentiment or short-term speculation.

(2) Behavior Flow

Behavior flow is the engine layer of the platform. User trading, community participation, ecosystem cooperation, traffic import, node operations, commercial activities, and platform interactions continuously generate market behavior data and liquidity momentum.

Behavior flow solves the problem of “how the market becomes active.” After real assets enter the digital world, only through continuous operation, user growth, and trading activity can effective market depth be formed. TokenAI leverages AI technology and data models to transform user behavior into analyzable, optimizable, and incentivizable growth assets.

(3) Value Flow

Value flow is the bridging layer of the platform. It connects traditional capital markets with digital asset markets, and also connects listed companies, global users, partner institutions, and the platform ecosystem.

Value flow solves the problem of “how growth circulates.” When real assets achieve digital representation, user behavior forms market liquidity, and platform services generate commercial revenue, ecosystem value can be reorganized and redistributed among multiple parties. Thus, TokenAI is not merely an asset tokenization tool, but a value flow network oriented toward the global capital market.

Assets provide the credit foundation, behavior creates market vitality, and value forms a long-term cycle. Together, the three constitute TokenAI’s core liquidity system.

(4) Six Core Values

01 More Comprehensive: Global Asset Allocation

Taking YYAI as the first cooperation sample, TokenAI will continuously access more listed companies and securities assets in the future, driving users from single-asset participation toward diversified global asset allocation.

02 Simpler: Low-Threshold Participation

Through digital fractionalization and on-chain representation, TokenAI lowers the participation threshold of traditional securities markets, enabling more global users to access real asset value in more flexible ways.

03 More Convenient: 7×24 Hour Borderless Liquidity Network

The digital asset form enables securities assets to break through traditional trading hour restrictions, supporting more continuous and globalized market participation experiences and improving asset liquidity efficiency.

04 Faster: Enhanced Market Initiative Efficiency

TokenAI helps real assets form user awareness, trading activity, and liquidity reception more quickly in digital markets through trading incentives, traffic operations, and AI data capabilities.

05 More Open: Co-building of Ecosystem Cooperation Network

Based on core tokens and platform mechanisms, TokenAI opens cooperation entry points to listed companies, financial institutions, trading platforms, traffic platforms, and the digital finance ecosystem, forming a multi-party co-built open network.

06 More Efficient: AI Industry Cluster Driving Value Release

AI in the TokenAI system is not a conceptual decoration, but a key capability used to enhance user growth, risk identification, market operations, data analysis, and liquidity optimization. As platform data and ecosystem scale expand, AI will further improve platform operational efficiency and value distribution efficiency.

4. Compliance System and Asset Security

(1) Global Compliance Framework

- For a securities asset digitalization platform, compliance is not an add-on condition but a fundamental prerequisite. TokenAI connects real stock assets, global users, trading networks, and capital channels; therefore, the platform must establish asset onboarding, account management, on-chain mapping, and market circulation mechanisms under a compliant framework.
- TokenAI builds its global compliance foundation around the U.S. MSB compliance system, SEC STO regulatory framework, and multi-jurisdictional regulatory adaptation requirements. The platform does not aim to circumvent regulation, but rather promotes the entry of real securities assets into the digital financial network in an auditable, identifiable, traceable, and manageable manner.
- During global expansion, TokenAI will continue to develop scalable compliance adaptation capabilities in response to securities regulations, anti-money laundering rules, investor suitability requirements, data compliance, and cross-border capital regulations in different markets. Its core principles are: clear asset sources, clear account subjects, clear transaction paths, clear capital flows, and clear risk responsibilities.



(2) Compliant Trading and Account System

TokenAI' s compliant trading system is built upon licensed brokerages, clearing systems, custody mechanisms, and KYC/AML processes.

- At the Asset Side: Real stock assets are received and custodied by compliant securities institutions, ensuring clear ownership and verifiable sources. Licensed brokerages and custody institutions undertake key functions such as asset safekeeping, account management, trading coordination, and compliance review, establishing the digital mapping of assets on top of real financial infrastructure.
- At the Account Side: TokenAI identifies user identity, participation qualifications, and trading permissions through its compliant account system. KYC/AML mechanisms are used to verify user identities, identify abnormal trading risks, prevent illegal fund inflows, and ensure the platform operates in compliance with anti-money laundering, counter-terrorism financing, and relevant financial regulatory requirements.
- At the Trading Side: The platform ensures consistency between asset flows, capital flows, and transaction records through coordinated clearing and custody mechanisms. What users participate in is not baseless digital symbols, but digital asset accounts corresponding to real stock value, supported by a compliant custody system.

(3) Asset Anchoring and On-Chain Mapping

- **The core of TokenAI' s asset security lies in real stock value anchoring and on-chain mapping mechanisms.**
- The platform does not promote token issuance detached from real assets, but rather the digital representation of real stock assets based on compliant custody. The underlying stock assets provide the value source, while on-chain mapped tokens serve as circulation vehicles in the digital financial network. A clear, stable, and traceable correspondence must be established between the two.
- Under this mechanism, TokenAI ensures consistency between token issuance and underlying assets through asset onboarding, custody confirmation, mapping rules, issuance control, and on-chain status synchronization. Each mapped asset must have clear asset sources, anchoring rules, issuance logic, circulation boundaries, and lifecycle management mechanisms.
- On-chain verifiability mechanisms further enhance platform transparency. Through blockchain records, relevant asset status, token circulation, transaction behavior, and key operations become traceable data, reducing information asymmetry and strengthening user trust in asset authenticity and platform operating rules.
- The significance of asset anchoring is to establish a credible connection between real assets and digital tokens, enabling the digital financial market to carry real value from traditional securities markets.

(4) Risk Control and Security System

- Compliance and security ultimately depend on systematic risk control capabilities. TokenAI establishes long-term risk defenses through permission control, risk monitoring, smart contract security, and audit mechanisms.
- Permission control ensures that critical platform operations are completed under clear authorization, hierarchical management, and traceable records. Core processes such as asset onboarding, mapping issuance, parameter adjustment, account management, and reward settlement require strict operational boundaries and approval mechanisms to avoid single-point permission risks.
- Risk monitoring is used to identify abnormal account behavior, abnormal trading patterns, abnormal capital flows, and abnormal market volatility. As the platform's trading volume, user base, and asset types continue to expand, real-time, data-driven, and intelligent risk identification capabilities will become crucial for safe platform operation.
- Smart contract security is key to the long-term credibility of on-chain mapped assets. TokenAI must reduce contract vulnerabilities, parameter errors, and on-chain execution risks through code audits, testing verification, permission restrictions, upgrade controls, and exception handling mechanisms.
- The audit mechanism provides external credibility for the platform. Through asset audits, process audits, transaction record audits, and compliance reviews, TokenAI can continuously improve information transparency, allowing users, partner institutions, and relevant regulatory parties to better understand the platform's asset status, operating rules, and risk boundaries.

5. Platform Core Capabilities

(1) Three Structural Core Capabilities

TokenAI' s core competitiveness comes from the platform' s three underlying structural capabilities: trading access, capital channels, and asset compliance.



(1) Trading Access

Trading access determines the platform' s user acquisition capability and market scale.

Traditional securities markets have long faced issues such as complex account setup, fixed trading hours, and high participation barriers. Through digital asset accounts and a global liquidity network, TokenAI reduces the cost of participating in real-world assets, enabling global users to access digital capital markets more efficiently.

Trading access is not only a trading function, but also the core foundation for platform traffic and ecosystem expansion.



(2) Capital Channels

Capital channels determine the platform' s liquidity efficiency and stability.

TokenAI builds a compliant capital circulation structure around licensed brokers, clearing systems, and custody networks, improving collaboration efficiency between real-world assets, digital trading, and global capital while reducing cross-market liquidity friction.



(3) Asset Compliance

Asset compliance determines the platform' s long-term scalability.

The platform establishes a compliance foundation for real securities assets to enter the digital world through the MSB framework, SEC STO regulations, and multi-regional regulatory adaptation requirements. As more listed companies and real-world assets are integrated, asset compliance capability will become one of TokenAI' s strongest long-term barriers.

(2) Six Core Advantages

(1) Real Asset Backing

Platform assets are based on real stocks as value anchors, emphasizing verifiability, traceability, and long-term value support.

(2) Securities Regulatory Framework

TokenAI promotes asset digitization under a securities regulatory framework, building a more stable and sustainable market foundation.

(3) Compliant Account System

Through licensed brokers, custodial institutions, and KYC / AML mechanisms, the platform ensures compliance and security boundaries for accounts, capital, and transaction flows.

(4) Trading Incentive Mechanism

Through token incentives and ecosystem collaboration mechanisms, the platform continuously enhances market activity and liquidity efficiency.

(5) Global Liquidity Connectivity

Through on-chain mapping and digital trading structures, TokenAI enables real-world assets to enter a globalized, 24/7 liquidity network.

(6) AI Technology Support

AI is used for user growth, traffic operations, risk identification, and data analysis, improving the platform's overall operational efficiency.

(3) Market Operation Capabilities

(1) User Growth

Through low-barrier participation pathways and a global trading network, the platform continuously expands its user base and market coverage capability.

(2) Traffic Operations

Leveraging community communication, ecosystem partnerships, and AI data models, TokenAI improves asset dissemination efficiency and market activity in digital markets.

(3) Business Collaboration

The platform connects listed companies, brokerage institutions, trading platforms, and the Web3 ecosystem, forming a multi-layered liquidity and business collaboration network.

(4) Global Market Expansion

From the beginning, TokenAI has been positioned for the global market. In the future, it will continue expanding international partnerships, global users, and cross-market liquidity resources, gradually forming a global digital financial network.

6. Technical Architecture and AI Capabilities

(1) Overview of the Technical Architecture

TokenAI's technical architecture is designed around one core objective: enabling real securities assets to enter the digital financial network within a compliant, verifiable, and scalable framework, while continuously generating liquidity and market value. The platform's technical system is not merely a single on-chain contract or trading frontend, but a comprehensive infrastructure covering asset onboarding, mapped issuance, account trading, node operations, and data intelligence.



(1) Asset Onboarding Layer

The asset onboarding layer is responsible for integrating real stock assets into the platform system and managing asset information, custody status, participating entities, anchoring rules, and compliance parameters in a unified manner.

This layer solves the problem of "how real-world assets enter the system" and serves as the foundation for on-chain mapping and subsequent circulation.



(2) Mapping and Issuance Layer

The mapping and issuance layer converts compliant real stock assets into on-chain digital token representations according to predefined rules.

Through issuance control, mapping parameters, on-chain interaction, and status synchronization, the platform ensures a clear correspondence between digital tokens and underlying assets.



(3) Account and Trading Layer

The account and trading layer focuses on user participation and market circulation, managing user identities, asset accounts, trading activities, holdings status, and trading permissions.

This layer is the core gateway connecting global users with real-world asset liquidity.



(4) Node Operation Layer

The node operation layer supports community participation, marketing, trading incentives, partner collaboration, and benefit distribution mechanisms within the ecosystem.

It enables the platform to function not only as an asset mapping system, but also as an ecosystem with sustainable operations, user growth, and expansion capabilities.



(5) Data Intelligence Layer

The data intelligence layer collects, analyzes, and feeds back asset data, user behavior data, trading data, liquidity data, and ecosystem data generated during platform operations.

Through data intelligence, TokenAI continuously optimizes risk control, market operations, user growth, and liquidity organization efficiency.



(2) On-Chain Mapping System

01

Asset Master Data

Through the asset master data system, TokenAI centrally manages underlying stock assets, listed company information, custody status, mapping ratios, issuance rules, and lifecycle status.

The purpose of asset master data is to ensure that every mapped asset has a clear information source, ownership foundation, and rule boundary.

02

Status Synchronization

Mapped on-chain assets must maintain consistency between off-chain asset states and on-chain token states.

Through a status synchronization mechanism, TokenAI continuously records and updates asset custody, mapped issuance, circulating supply, account holdings, abnormal events, and critical operations, reducing information asymmetry and improving platform transparency.

03

Lifecycle Management

Every type of digitized securities asset should possess complete lifecycle management capabilities.

From asset onboarding, custody confirmation, mapped issuance, and market circulation, to subsequent adjustments, redemption, liquidation, or exit, the platform manages all processes under unified rules.

The significance of lifecycle management lies in ensuring that mapped on-chain assets are not one-time issuance products, but sustainable, supervised, and expandable financial asset forms.

(3) AI Technology Support

(1) AI Traffic Model

TokenAI can use AI models to analyze user sources, trading preferences, content dissemination, community activity, and conversion paths, helping the platform identify high-value user groups more accurately and improve marketing efficiency.

In digital finance, traffic itself is also an asset. AI traffic models help transform user behavior into operational resources that can be analyzed, optimized, and scaled.

(2) AI Risk Control

As user scale, asset categories, and trading frequency increase, the platform requires more intelligent risk identification capabilities.

AI risk control can monitor abnormal account behavior, unusual trading patterns, abnormal capital flows, and potential market manipulation risks, providing decision-making support for compliance review and platform security.

(3) AI Liquidity Optimization

Liquidity is one of the core competitive advantages of a digital securities asset platform.

TokenAI can use AI to analyze market depth, trading frequency, price fluctuations, user behavior, and market activity, helping optimize liquidity organization strategies and improve market efficiency.

(4) AI Data Analysis

AI data analysis is used to build a platform-level data feedback system.

Through continuous analysis of asset, user, trading, node, and ecosystem data, the platform can better understand market conditions and continuously optimize product design, incentive mechanisms, risk control, and global expansion strategies.

(4) Long-Term Platform Scalability

(1) Multi-Asset Integration

YYAI is the first asset sample of TokenAI, but the platform's long-term objective is to support more listed companies, more securities assets, and more real-world asset categories entering the digital financial network. Therefore, the technical system must possess standardized asset onboarding, parameter configuration, mapped issuance, and lifecycle management capabilities.

(2) Multi-Market Expansion

TokenAI targets the global market and must adapt to compliance requirements, trading habits, user structures, capital pathways, and institutional partnerships across different regions.

The platform architecture must therefore be modular, configurable, and scalable to support sustainable operations across multiple markets, jurisdictions, and business scenarios.

(3) Multi-Ecosystem Collaboration

In the future, TokenAI will not only be an asset platform, but also a connector for trading platforms, brokerage institutions, custodians, AI industry ecosystems, Web3 communities, and global traffic networks.

The technical system must support data collaboration, account collaboration, trading collaboration, and rights coordination among different ecosystem participants, forming an open digital financial infrastructure.

7. YYAI: The First On-Chain Mapped U.S. Stock Asset

(1) AIRWA Inc. (NASDAQ: YYAI)

YYAI is the first on-chain mapped U.S. stock asset within the TokenAI ecosystem, with its underlying asset corresponding to AIRWA Inc. (NASDAQ: YYAI), a U.S.-listed company.

According to TokenAI's asset strategy, AIRWA Inc. possesses diversified business attributes including AI, blockchain infrastructure, computing power networks, and digital economy ecosystems. Its industry direction has strong synergy with TokenAI's vision of "securities asset digitization + AI-driven finance + global liquidity networks."

For TokenAI, YYAI is not merely a single asset target, but the first practical example of the platform's securities asset digitization model. It plays a critical role in validating the complete loop of asset onboarding, compliant custody, on-chain mapping, global circulation, and market operations.

(2) Strategic Significance of YYAI

The core significance of YYAI lies in establishing the first standardized pathway for real stock assets to enter the digital financial network.

Through YYAI, TokenAI can transform its proposed core model from theory into an executable structure:



This process validates not only whether stocks can be digitally represented, but more importantly whether real securities assets can generate sustainable liquidity, market participation, user growth, and ecosystem collaboration after entering the digital world.

Therefore, YYAI is both the first validation asset of the TokenAI model and an important reference sample for the platform's future integration of more listed companies and securities assets.

(3) Why YYAI

YYAI is suitable as TokenAI' s first mapped asset mainly for three reasons.

(1) Ecosystem Synergy

YYAI operates in sectors related to AI, Web3, computing power, public blockchains, and digital economy infrastructure, naturally aligning with TokenAI' s platform narrative. The industrial attributes of the asset itself help create stronger recognition and dissemination capabilities within the digital finance ecosystem.

(2) Compliant Listed Entity

As a U.S.-listed company asset, YYAI possesses a public market identity and a securities asset foundation, providing TokenAI with a clearer real-world value source for on-chain mapping, custody integration, and market operations.

(3) Long-Term Growth Potential

TokenAI selected YYAI not based solely on short-term market performance, but on its demonstration value as the first benchmark asset within the ecosystem. Through YYAI, the platform can establish asset onboarding standards, mapping rules, market operation procedures, and global user participation models.

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(4) From YYAI to a Global Asset Network

- YYAI is only the starting point of TokenAI' s asset network, not the final destination.
- TokenAI' s long-term objective is to use YYAI as the first sample and gradually integrate more listed companies, more real securities assets, and more digital financial scenarios to form a scalable global asset network.
- As the number of assets grows, the platform will no longer rely on a single asset driver, but instead build a more comprehensive securities asset digitization ecosystem through multi-listed-company integration, multi-asset mapping, and multi-market liquidity collaboration.



In this sense, the value of YYAI lies not only in itself, but also in opening TokenAI' s platform-oriented pathway:from the on-chain mapping of a single asset to a global liquidity infrastructure for digitized securities assets.

8. YY Tokenomics

(1) Overview of the YY Token

YY is the core token of the TokenAI ecosystem and serves as an important medium for platform value circulation and ecosystem collaboration. The total supply of YY is capped at **4.2 billion** tokens, with a long-term deflationary mechanism targeting a final reduced supply of **42 million** tokens. Its core logic is not simply token issuance, but continuously strengthening the token's value-carrying capability through platform growth, trading activity, and ecosystem expansion.

As more real stock assets are integrated, more global users participate, and more ecosystem scenarios are implemented, YY will gradually become a key value hub connecting assets, users, liquidity, and the platform ecosystem.



(2) Core Token Utilities

(1) Fee Deduction

Users can use YY to offset trading and related service fees on the platform, creating fundamental usage demand.

(2) Trading Incentives

The platform uses YY to incentivize traders, liquidity contributors, and ecosystem participants, enhancing market activity and liquidity depth.

(3) Ecosystem Rights and Benefits

YY can be used for node rights, ecosystem partnerships, event participation, and platform services, strengthening long-term connections between users and the platform.

(4) Asset Subscription

Under compliant frameworks in the future, YY may be used to participate in digital securities asset subscriptions and related ecosystem scenarios.

(5) Equity-Style Value Mapping

YY will carry the long-term ecosystem value of TokenAI and form synergies with real asset growth, platform revenue, and global liquidity networks.

9. Business Model and Platform Value

(1) Three-Tier Revenue Structure

(1) Trading Revenue

Trading revenue comes from the platform's core trading activities, including institutional commissions, trading spreads, margin financing services, and related transaction fees. As more real stock assets are mapped on-chain and more global users join the trading network, the scale of trading activity and market liquidity will become a major source of baseline revenue.



(2) Institutional Service Revenue

Institutional service revenue is generated from TokenAI's professional services provided to listed companies, financial institutions, and partner platforms, including liquidity management, capital advisory, underwriting services, market operation coordination, and asset digitization solutions. This structure reflects that TokenAI is not only a trading gateway, but also a digital capital service platform for real-world asset issuers.



(3) Structural Revenue

Structural revenue comes from long-term ecosystem expansion, including asset digitization services, cross-market liquidity coordination, data-driven traffic value, product sales profits, and digital financial scenario expansion. As platform users, assets, transactions, and ecosystem data continue to accumulate, TokenAI will gradually form a more complex and high-value commercial network.

(2) Platform Growth Engine

(1) Listed Company Growth

The integration of more listed companies expands the platform' s asset base and strengthens real asset supply capacity.

(2) User Scale Growth

Continuous inflow of global users increases trading activity, liquidity depth, and network effects.

(3) Ecosystem Partnership Growth

Ongoing integration of brokerages, custodians, trading platforms, traffic platforms, and Web3 ecosystems enhances service boundaries and business collaboration capabilities.

(4) Liquidity Growth

The combined growth of assets, users, and trading activity drives the formation of a stronger global liquidity network.

These four variables reinforce each other and form TokenAI' s growth flywheel:the richer the assets, the broader the user participation;the more active the users, the stronger the liquidity;the stronger the liquidity, the more attractive the platform becomes to asset issuers and institutions.

(3) Long-Term Platform Value

- The long-term value of TokenAI does not lie in becoming a single trading platform, but in gradually evolving into a global digital financial network.
- Within this network, real stock assets provide the value foundation, regulatory frameworks ensure security boundaries, on-chain mapping enables digital representation, global users provide market vitality, AI and data systems improve operational efficiency, and ecosystem partnerships continuously expand platform boundaries.
- As the platform integrates more real assets, listed companies, global users, and institutional partners, TokenAI will develop cross-asset, cross-market, and cross-ecosystem digital capital connectivity capabilities.
- Therefore, TokenAI' s commercial value does not come solely from trading volume, but from its long-term network effects as a digital infrastructure for securities asset digitization. It will drive real-world assets from traditional capital markets into the digital world and **establish a more efficient, open, and sustainable global value circulation system.**

10. Ecosystem Network and Global Expansion

(1) Platform Ecosystem Matrix

(1) Listed Company Ecosystem

- Listed companies are the core source of real-world assets and an important value foundation of the TokenAI ecosystem. Through asset digitization mapping, global liquidity coordination, and digital market operation capabilities, the platform helps listed companies gain broader market connectivity and global user reach.
- As the first on-chain mapped asset sample, YYAI has validated the foundational pathway for real stock assets to enter the digital financial network. In the future, the platform will gradually integrate more listed companies and more securities assets, continuously expanding the scale of the real-world asset ecosystem.

(2) Brokerage and Custody Ecosystem

- TokenAI's asset digitization system is built upon compliant brokerages, clearing institutions, and custody networks.
- Licensed brokerages are responsible for account onboarding and trading coordination, custody institutions ensure underlying asset security, and clearing systems maintain stable fund and transaction operations. The maturity of the brokerage and custody ecosystem will directly determine the platform's asset onboarding capability and global expansion capacity.

(3) Trading Platform Ecosystem

- TokenAI is not limited to a single trading gateway, but is building an open trading network around global digital liquidity.
- In the future, the platform will continue promoting cross-platform liquidity collaboration, digital asset trading connectivity, and multi-market trading scenario expansion, enabling real stock assets to achieve sustained circulation within a broader digital financial environment.

(4) AI Industry Ecosystem

- **AI is one of the key growth engines of the TokenAI ecosystem.**
- The platform applies AI capabilities to user growth, traffic analysis, market operations, risk control, and liquidity optimization, while gradually integrating with AI computing networks, data services, intelligent financial tools, and digital economy scenarios.
- In the future, AI will not only be part of the platform' s technological capabilities, but also become a key infrastructure capability for ecosystem expansion.

(5) Global Community Ecosystem

- **The global community is an essential component of the digital financial network.**
- Through community collaboration, node systems, market promotion, and ecosystem incentive mechanisms, TokenAI will establish a global user and partnership network covering worldwide markets. The platform' s long-term value comes not only from asset scale, but also from the market activity and liquidity density generated by the global community.



(2) Global Liquidity Network

One of TokenAI' s core directions is building a global liquidity network.

Traditional securities market liquidity has long been restricted by geography, trading hours, account systems, and market boundaries, while digital financial networks are driving liquidity from regionalization toward globalization.



(1) Global Trading Users

TokenAI targets global digital finance users by providing lower barriers, greater flexibility, and higher efficiency for participation in real-world assets. As the user base grows, the platform will gradually establish a global trading network spanning multiple regions, languages, and market structures.

(2) Cross-Market Liquidity

Through on-chain mapping and digital trading structures, TokenAI aims to help real stock assets break through traditional market liquidity limitations and achieve cross-market liquidity coordination.

This coordination not only improves trading efficiency, but also expands the market reach of real-world assets in the digital world.

(3) Global Institutional Partnerships

TokenAI' s global expansion must be built upon an extensive partnership network. In the future, the platform will continue connecting brokerages, custody institutions, clearing networks, trading platforms, capital institutions, and digital financial ecosystem partners to gradually establish a cross-region, cross-market, and cross-ecosystem collaboration system.

(3) Platform Expansion Potential

(1) More Assets

(2) More Markets

(3) More Financial Scenarios



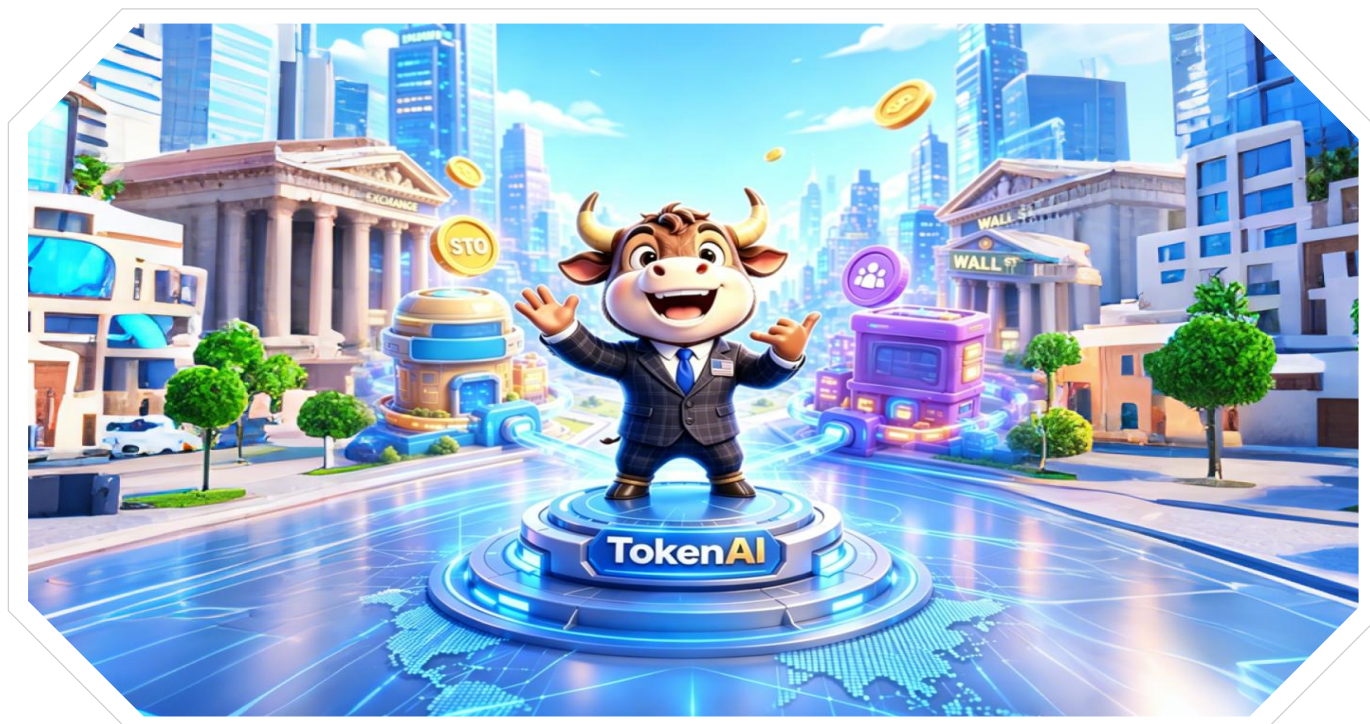
YYAI is only the starting point. In the future, TokenAI will gradually integrate more listed company stocks, more securities assets, and more real-world assets to form a richer digital asset network.



The platform will continue expanding into global markets, promoting multi-region compliance adaptation, multi-market user access, and global liquidity coordination to strengthen its international capabilities.



As the ecosystem expands, TokenAI will evolve beyond an asset trading platform into areas such as asset management, digital securities services, on-chain financial collaboration, AI-driven financial data, and broader digital financial applications.



11. Development Roadmap

(1) Phase One | Infrastructure Development

The focus of this phase is to establish the foundational capabilities required for real-world equity assets to enter the digital financial network.

TokenAI will build a comprehensive compliance framework, account system, custody mechanism, on-chain mapping system, and trading access infrastructure to ensure the platform possesses core capabilities for asset onboarding, user participation, transaction circulation, and risk management.

During this phase, YYAI, as the first on-chain mapped U.S. equity asset, will serve as the key validation sample for the TokenAI model. Through YYAI, the platform will complete the full verification process from real-world equity assets and compliant securities custody to on-chain tokenized mapping and global liquidity trading, thereby establishing a standardized model for future listed company asset integration.

The core objective of this phase is to prove that TokenAI is not merely a conceptual framework, but a fully operational digitalization solution for real-world securities assets.

(2) Phase Two | Ecosystem Expansion

The focus of this phase is to evolve from single-asset validation into a collaborative ecosystem involving multiple assets, users, and ecosystem participants.

Based on the successful validation of the YYAI model, TokenAI will gradually integrate more listed companies and diversified securities assets, continuously expanding the platform's real-world asset foundation. At the same time, the platform will further optimize trading incentives, community growth mechanisms, ecosystem partnerships, and market operation systems to improve user scale and liquidity depth.

The AI-driven traffic system will play a more critical role during this stage. Through AI-powered data analytics, user profiling, market behavior recognition, and traffic conversion models, TokenAI will enhance user acquisition efficiency, trading activity, and ecosystem operational capabilities.

The core objective of this phase is to upgrade the platform from the "first asset prototype" into a "multi-asset digital network" with stronger market activity and ecosystem attractiveness.

(3) Phase Three | Global Expansion

The focus of this phase is to transform TokenAI from a regional platform into a global digital capital network.

The platform will continue advancing multi-region financial licensing, multi-jurisdiction compliance adaptation, global clearing network construction, and cross-market capital channel coordination. By connecting with more brokerages, custody institutions, clearing organizations, trading platforms, and capital service providers, TokenAI will continuously improve its global asset onboarding capability and cross-market liquidity efficiency.

At the globalization stage, the platform must not only expand its user base, but also establish compliant operational capabilities, capital circulation systems, and localized service frameworks tailored to different markets.

The core objective of this phase is to build a global liquidity network spanning multiple regions, asset classes, and institutional partners, positioning TokenAI as a critical gateway connecting real-world securities assets with the digital financial world.

(4) Phase Four | Future Financial Infrastructure

The focus of this phase is to evolve from a platform-based operation into an open financial infrastructure.

As asset scale, user adoption, institutional partnerships, and global liquidity continue to expand, TokenAI will progressively explore DAO governance, open ecosystem interfaces, collaborative partner mechanisms, and a global digital financial public blockchain network.

DAO governance will support community participation, ecosystem collaboration, and long-term decision-making optimization. The open ecosystem will allow more developers, institutions, platforms, and asset issuers to integrate into the TokenAI network. Meanwhile, the global digital financial public chain network will support large-scale securities asset digitization, trading coordination, data circulation, and value distribution.

The core objective of this phase is to transform TokenAI from a securities asset digitization service platform into a global digital financial infrastructure for international markets.

12. Disclaimer and Compliance Statement

Whitepaper Statement

This whitepaper is intended to introduce TokenAI's platform positioning, business model, technical architecture, ecosystem planning, and future development direction, with the purpose of helping users, partner institutions, and market participants understand the securities asset digital liquidity system established by TokenAI.

The market views, development plans, and future objectives described in this whitepaper are based on the current industry environment, regulatory policies, and the platform's phased strategic planning. Relevant content may be adjusted or updated in response to changes in market conditions, technologies, or regulatory frameworks.

This document does not constitute any form of legal, financial, securities, tax, or investment advice, nor does it represent any commitment of returns or securities offering documentation.

Risk Disclosure

The digital finance market, securities asset digitization sector, and blockchain industry inherently involve risks including market volatility, regulatory changes, technical security issues, liquidity risks, and system operation risks.

The on-chain mapped assets, digital trading structures, and ecosystem mechanisms associated with TokenAI may be affected by changes in global market environments, regulatory policies, and industry development trends.

Before participating in any TokenAI-related business activities, users should fully understand the risk characteristics of digital assets and securities asset digitization, and independently make judgments and decisions according to their own risk tolerance.

The platform does not provide any guarantee regarding market prices, asset performance, or future returns.

Compliance and Jurisdiction Restrictions

TokenAI is committed to promoting securities asset digitization and the development of a global liquidity network within a compliant regulatory framework.

The platform will continue improving its KYC, AML, account management, risk control, and compliance operation systems in alignment with MSB requirements, SEC STO frameworks, and relevant regional regulatory standards.

Due to varying regulatory requirements regarding digital assets and securities-related businesses across different countries and jurisdictions, certain TokenAI services, products, or functions may not be available to specific jurisdictions or users.

Users are responsible for understanding and complying with the laws and regulations applicable in their respective jurisdictions. The platform reserves the right to restrict, modify, or terminate related services in accordance with regulatory requirements.

Non-Investment Advice Statement

The content, platform services, and ecosystem mechanisms provided by TokenAI do not constitute any form of investment advice, return commitment, or securities solicitation.

The real-world stock mapped assets, digital asset accounts, and ecosystem tokens involved in the platform should not be regarded as guarantees of future market performance or investment returns.

Users participating in any related business activities or transactions should do so based on a full understanding of market risks, legal structures, and platform rules, and shall bear sole responsibility for their own decisions.

TokenAI's long-term objective is to build a global liquidity infrastructure for securities asset digitization, rather than promoting short-term market speculation.