SenseTrade AI

INTELLIGENT AUTOMATION

THE SELF-EVOLVING TRADING ECOSYSTEM

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SenseTrade AI

PREFACE

With the deep integration of artificial intelligence (AI) into the financial sector, AI-automated trading programs have become a new trend in industry development. AlphaSense, a leading global enterprise data analytics and intelligent search platform, has been committed to empowering businesses and financial professionals to make faster and smarter decisions through AI technologies such as NLP and machine learning. In 2025, AlphaSense decided to develop an AI-automated trading program, which already has a prototype and is named SenseTrade AI.

AlphaSense's development of an AI-automated trading program is a strategic choice that deeply integrates the company's technological advantages, user needs, and industry trends, laying a solid foundation for ushering in a new era of financial automation and the company's continued high-quality development.

$10B+
Total Automated
Trading Volume

135%
Average Excess Return of
Annual Strategies

12,000+
Real-time Market
Risk Alerts

50+
Partnership with Top Global
Financial Institutions

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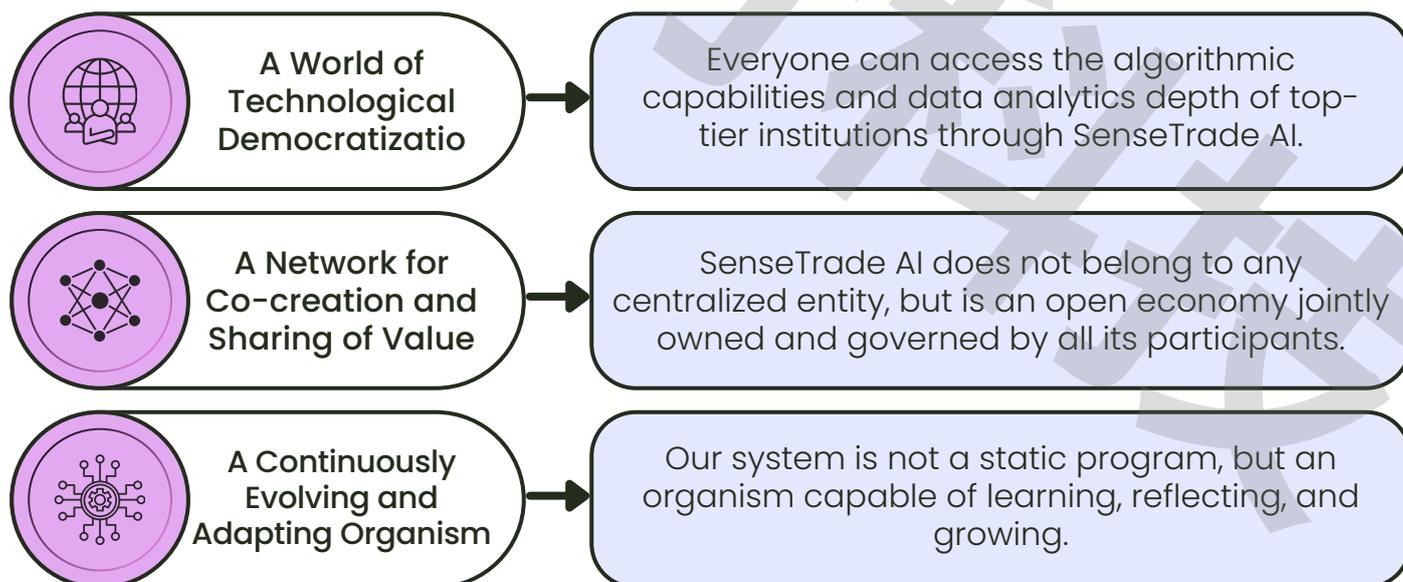
1.1 Our Vision

Our vision is to build a decentralized global smart trading benchmark ecosystem driven by artificial intelligence and collective community wisdom. This means more than just developing a superior trading tool; it represents a profound paradigm shift in the industry. The future we envision is:

A World of Technological Democratizatio	Everyone can access the algorithmic capabilities and data analytics depth of top-tier institutions through SenseTrade AI.
A Network for Co-creation and Sharing of Value	SenseTrade AI does not belong to any centralized entity, but is an open economy jointly owned and governed by all its participants.
A Continuously Evolving and Adapting Organism	Our system is not a static program, but an organism capable of learning, reflecting, and growing.

In today's information-saturated and increasingly volatile financial environment, individual investors and small institutions face a natural gap compared to traditional giants in terms of information resources, technological tools, and decision-making speed.

SenseTrade AI was created precisely to bridge this gap. We firmly believe that cutting-edge artificial intelligence technology should not be the exclusive domain of those behind closed doors, but rather a powerful tool to empower the masses and achieve equitable wealth growth.

1.2 Our Mission

To achieve our vision, we have established three clear and unwavering core missions:

Building an Ultimate Intelligent Trading Brain

We will continue to invest in research and development, integrating cutting-edge technologies such as natural language processing and deep reinforcement learning to build a super intelligent agent that can understand market context, predict trend inflection points, and autonomously execute complex strategies.

Building a prosperous ecosystem through shared governance

We are committed to building an open, transparent, and incentive-compatible protocol layer. Here, strategy developers can encapsulate their wisdom into tradable strategy assets and obtain fair and sustainable economic returns, unleashing endless innovation potential.

Practicing responsible financial innovation

We prioritize safety and user interests. Through our built-in multi-dimensional, real-time dynamic risk control system, we are committed to building a robust defense for fund security while pursuing returns. We are dedicated to innovation within legal and ethical frameworks, driving the industry to set higher standards.

1.3 Our Core Principles

- **User Sovereignty Principle:** Users always retain absolute control over their assets, and the system only performs operations within the authorized scope.

- **Continuous Evolution Principle:** Our technology and products will always be in Beta testing, embracing change and continuous iteration.

- **Transparency and Trust Principle:** Key strategic logic and risk parameters will be open to users, and important system decisions will be made through community governance.

- **Long-Term Vision Principle:** We do not chase short-term market trends, but focus on building long-term value that can weather market cycles.

2.1 Current Market Situation and Core Pain Points

Despite the sheer size of global financial markets, the vast majority of participants face insurmountable obstacles in practice:

❯ The contradiction between information overload and lack of insight

In the digital age, investors are overwhelmed by massive amounts of news, financial reports, social media information, and on-chain data. However, the lack of specialized tools like AlphaSense makes it exceptionally difficult to separate the noise from the valuable signals.

"Data abundance, insight poverty" has become the norm, with a vast amount of valuable information remaining untranslated into practical applications.

❯ The contradiction between emotional decision-making and rational goals

Behavioral finance has repeatedly demonstrated that human decision-making is heavily influenced by cognitive biases and herd mentality. Greed and fear often lead to irrational behavior such as "buying high and selling low," severely eroding long-term investment returns. Individual investors are particularly vulnerable to becoming victims of market sentiment fluctuations.

❯ The contradiction between technological monopoly and inclusive demand

Top hedge funds and investment banks invest billions of dollars annually in building their secret weapons—ultra-low latency trading systems and sophisticated quantitative models. This technological monopoly creates an unfair competitive environment, leaving ordinary investors and smaller institutions with no choice but to passively follow.

❯ The contradiction between execution efficiency and risk control

Even after making the right decision, manually placing orders is slow, error-prone, and difficult to execute at the predetermined price during periods of high market volatility. Furthermore, manual monitoring for risk control is neither practical nor reliable, and cannot cope with the 24/7 operation of the global market, especially in the crypto space.

2.2 Strategic Opportunities Arising from the Convergence of Three Major Trends

The aforementioned pain points constitute a strong market demand, and the convergence of the following three trends provides the perfect temporal and spatial context for the rise of SenseTrade AI.

> Trend 1: Artificial intelligence is shifting from "assisting" to "dominating".

Artificial intelligence, especially natural language processing and deep learning, is no longer a concept, but a mature productivity tool.

The Maturation of NLP:
The success of AlphaSense has validated the immense value of AI in understanding and extracting complex textual information. Today, the conditions are in place to move from "post-event analysis" to "pre-event prediction" and "in-event execution."

The Widespread Access to Computing Power:
Cloud computing has made high-performance computing resources, once only affordable to Wall Street giants, readily available.

> Trend 2: The "Second Revolution" of Fintech

From channel innovation to core decision-making innovation

The first wave of fintech focused on the distribution channels (such as mobile payments and online brokerages), solving the problem of "how to trade." Now, we are entering the second wave, centered on "AI-driven decision-making." Investors are no longer just looking for faster trading channels, but for a smarter and more reliable "decision-making brain."

> Trend 3: New Asset Classes and Trading Paradigms

Crypto finance is rapidly giving rise to entirely new asset classes and trading paradigms.

The rise of the cryptocurrency market has not only brought new assets but also introduced new characteristics such as 24/7 trading, high volatility, and the interweaving of on-chain and off-chain data. This provides an excellent application scenario for purely AI-driven trading systems that are not limited by human intervention.

2.3 Market Size and Growth Potential

The demand for intelligent trading solutions is growing exponentially.

- According to McKinsey & Company, by 2030, AI-generated investment decisions will account for more than 40% of the global asset management industry.

- According to a recent report by Grand View Research, the global alternative data market reached $10.9 billion in 2023 and is projected to continue expanding at a staggering CAGR of 44.5% between 2024 and 2030.

- Global quantitative hedge funds manage assets exceeding trillions of dollars and continue to attract inflows.

These data indicate that the market is ready for solutions that can systematically address the aforementioned pain points.

2.4 SenseTrade AI's Unique Positioning

Against this backdrop, SenseTrade AI is not just another simple "trading bot" or "signal provider." We are a fully automated trading ecosystem built on powerful data intelligence, capable of self-evolution.

We are not competing with similar products; we are defining a completely new category.

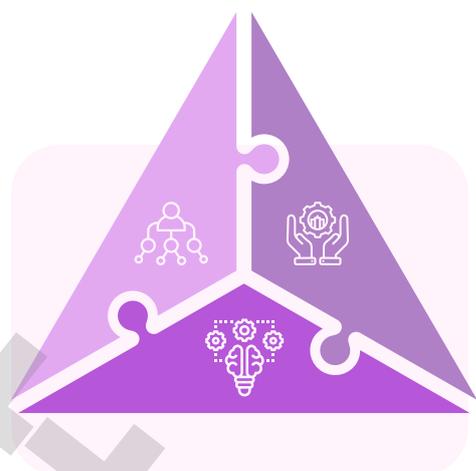Our positioning is built on three pillars:

AlphaSense's lineage:
Inheriting top-tier enterprise-level data understanding and analysis capabilities, this is our inherent core competitiveness.

The genes of community co-governance:
We have designed an open economic model and governance structure to ensure the vitality of the ecosystem and long-term sustainable development.

Comprehensive capabilities:
From data, sentiment, and algorithms to execution and risk control, we provide end-to-end complete solutions, rather than piecemeal functionalities.

SenseTrade AI's core design philosophy is to build a closed-loop intelligent agent that "perceives, thinks, acts, and evolves." We have abandoned single, fixed strategy models and instead adopted a dynamic, multi-layered, and collaborative system architecture. Each layer communicates efficiently through standardized interfaces, collectively forming a digital trading brain capable of adapting to complex market environments.

3.1 Basic Data Layer

❯ Multi-source heterogeneous data fusion engine

Data source	It provides real-time access to Level 2/3 market data, forex quotes, commodity futures data, and comprehensive cryptocurrency market data from over 100 major global exchanges.
Processing capacity	Based on a distributed stream processing platform (such as Apache Flink/Kafka), it has the capability to process millions of market data events per second.
Standardized output	All data from different sources and in different formats are cleaned, aligned, and timestamped, and then transformed into structured features that can be directly consumed by downstream algorithms.

❯ Advanced Market Sentiment Analysis Engine

Advanced Market Sentiment Analysis Engine

It directly integrates and optimizes the underlying algorithms of the AlphaSense enterprise-grade NLP platform.

Real-time analysis

It continuously scans and analyzes massive amounts of text information from news portals, financial television subtitle streams, Discord channels, and SEC filings.

Emotion Quantification

It not only judges whether emotions are positive or negative, but also quantifies their intensity, identifies their themes, and transforms the abstract "market atmosphere" into a concrete and traceable "emotion index".

3.2 Intelligent Algorithm Layer

> **Multi-factor quantification model framework**

- **Factor Library:** Contains over 200 predefined alpha factors, covering multiple dimensions such as momentum, value, volatility, and flow.
- **Dynamic Synthesis:** Employs machine learning methods (such as gradient boosting trees) to dynamically evaluate the effectiveness weights of different factors in the current market environment, rather than statically weighting them.
- **Unique Integration:** Innovatively encodes geometric theories such as the "golden section" and the "Fibonacci sequence" into algorithmically recognizable pattern factors for predicting key support/resistance levels and psychological thresholds.

> **Deep Learning Prediction and Self-Evolution Module**

- **Model Architecture:** A hybrid model employing temporal convolutional networks and long short-term memory networks is used, capable of capturing long-term periodic patterns while remaining sensitive to short-term abrupt changes.
- **Adaptive Capability:** Taking the "adaptive dynamic moving average algorithm" as an example, its parameters are no longer fixed (e.g., 20-day, 60-day), but automatically adjust the smoothing coefficient based on market volatility.
- **Evolutionary Mechanism:** The system establishes a continuous "sandbox environment" to simulate the latest market conditions. New and old models "simulate battles" in this environment; only when the new model demonstrates significant superiority will it be deployed to the live trading system, ensuring a positive evolutionary effect.

> **Strategy Development and Backtesting Platform**

- **Low-code/no-code interface:** Allows users to combine strategies by dragging and dropping modules and setting conditions, greatly reducing the barrier to strategy development.
- **High-fidelity backtesting:** Provides tick-level accuracy for historical data playback, fully considering trading frictions, and offers performance evaluation reports across multiple dimensions such as Sharpe ratio and maximum drawdown.

3.3 Execution and Risk Control Layer

❯ High-performance trading engine

- **Low-latency architecture:** The core logic is written in C++ and uses in-memory computing technology to ensure latency is controlled at the sub-millisecond level.
- **Intelligent execution algorithms:** Integrates multiple algorithms such as iceberg order placement and volume-weighted average price, aiming to minimize the impact cost of transactions on the market.
- **Multi-market collaborative decision-making system:** Capable of comparing the volatility difference between stock A and cryptocurrency B in real time, providing technical support for cross-market arbitrage and hedging strategies.

❯ Multi-dimensional dynamic risk control system

- **Real-time Risk Dashboard:** Provides global monitoring of all open positions and pending orders.

- **Core risk control tools:**

Dynamic Value at Risk	Maximum drawdown dynamic anchoring	Multiple stop-loss/take-profit conditions
It not only calculates static VaR, but also dynamically adjusts the confidence interval and observation window based on the current market volatility.	When the account's net value reaches a new high, the system will automatically set this high point as the new risk control benchmark, achieving automated management of "taking profits and securing gains".	It supports automatic liquidation logic triggered by various conditions such as price percentage, technical indicator breakout, sudden increase in volatility, or break in asset correlation.

4.1 Basic Token Information

The longevity of a great project depends on a well-designed and virtuous economic system. The SENSE token is not only a passport to the SenseTrade AI ecosystem, but also a link that maintains the interests of developers, users, investors, and governance.
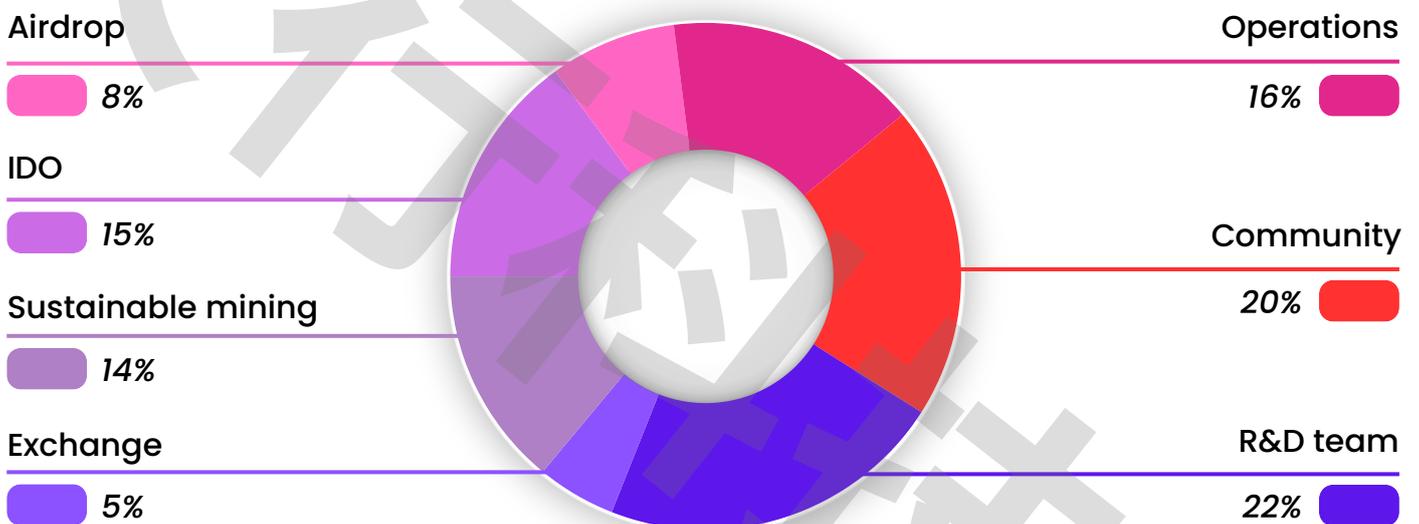
PROPERTY	PARAMETER
Token Name	SenseTrade AI
Token symbol	SENSE
Total issuance	800,000,000 SENSE (fixed and immutable, without an issuance mechanism)
Token Standards	ERC-20 (Ethereum)
Accuracy	18-bit
Contract address	Final confirmation and announcement prior to the mainnet launch
Security and Auditing	The audit will be conducted by a top-tier blockchain security company, and the audit report will be released to the public.

4.2 Token Allocation and Release Mechanism

Project	Quantity	Unlocking mechanism
IDO	120,000,000	Linear distribution in accordance with the terms of the public offering
Airdrop	64,000,000	Utilized to motivate early-stage communities, allocated in increments.
Operations	128,000,000	A 36-month linear unlocking period will be implemented for the development of a sustainable ecosystem.
Community	160,000,000	Encourage sustained contributions by implementing diverse community initiatives.
R&D team	176,000,000	A 12-month lock-up period, succeeded by a linear unlocking phase spanning 24 months.
Exchange	40,000,000	Delivered in a single instance, guaranteeing a stable market introduction.
Sustainable mining	112,000,000	Released progressively in accordance with mining plans and stages of ecological development.

Airdrop
8%

IDO
15%

Sustainable mining
14%

Exchange
5%

Operations
16%

Community
20%

R&D team
22%

4.3 Core Utility and Value Capture of Tokens

The SENSE token serves as the value carrier, governance pass, and ecosystem incentive within the SenseTrade AI ecosystem. We ensure the token plays an indispensable role throughout the entire product lifecycle through a multi-layered, nested utility system, thereby building a solid value foundation.

> **Governance and Voting Rights**

Platform parameter decision:

- The community has the right to vote on transaction fee rates, the rights and benefits of members at all levels, and the distribution of platform revenue.
- It can propose adjustments to the parameter range of core strategies and hold a vote on these adjustments.
- It can decide whether to include new trading markets or asset types (such as a new type of derivative) in the system's support.

Ecological development decision

- Strategy Listing Review: For advanced or high-risk strategies applying to enter the "Strategy Supermarket," the community can vote to decide whether to publicly list them.
- Treasury Funds Usage: All major expenditures must be approved by the DAO vote to ensure that every use of funds is open, transparent, and in the best interests of the community.
- Technology Upgrade Roadmap: Voting is conducted on the priority of core features for major future mainnet version updates.

Governance weighting mechanism:

- To encourage long-term holding and development, the longer a user locks their tokens, the greater their voting power and the higher their share of ecosystem revenue.

4.3 Core Utility and Value Capture of Tokens

❯ Ecological intrinsic value media

Strategy subscription and service payment:

- Users must use SENSE tokens to pay subscription fees for "golden finger" strategies created by top strategy developers.
- They must also pay for advanced data queries (such as customized sentiment analysis reports and industry chain depth maps).
- Professional traders and institutions also need to use SENSE to access more advanced APIs and obtain lower-latency trading channels. This will create a stable consumption path.

Computing resource auction:

- When strategy developers are training extremely complex models and require cloud computing resources beyond their regular quotas, they must bid using SENSE tokens in a specialized market. This not only provides another key use case for the token but also offers a way for talented developers who create highly profitable strategies to acquire scarce resources.

❯ Proof of Stake and Staking

Users can become secure and reputable nodes on the network by staking SENSE tokens and thereby earn substantial rewards.

Transaction fee bonus pool:

The platform will allocate 30% of the total daily transaction fees to a dividend pool. All users who have staked SENSE can share in the pool's profits proportionally based on their staking amount and duration.

Liquidity mining rewards:

When providing liquidity to core trading pairs in the ecosystem (such as SENSE/ETH), users receive SENSE tokens as an incentive in addition to their normal share of transaction fees.

5.1 Diverse Participants

The SenseTrade AI ecosystem is a digital kingdom where various roles collaborate to create value. Every participant is a citizen of this kingdom, and their rights and obligations are protected through smart contracts and token economics.

❯ Strategy developers

Core behaviors and tools:

- Strategy Creation: Develop using the platform's low-code strategy editor and professional-grade SDK.
- Backtesting and Simulation: Before deployment, comprehensively validate and optimize the strategy using the platform's high-fidelity historical data.

Benefits and Incentives:

- Subscription Fee Revenue Sharing: After a strategy is subscribed to, the developer will share revenue with the platform according to a preset ratio.
- Performance Bonus: The platform establishes a quarterly/annual strategy ranking system, awarding additional SENSE tokens to top-performing strategy developers with excellent performance and controllable risk.

❯ Token holders and users

Benefits and Incentives:

Asset appreciation	Pledged Proceeds	Community welfare
Achieving wealth growth through AI strategies is the primary goal.	By locking up SENSE tokens, users can share in the platform's transaction fee revenue.	Priority will be given to participating in new feature testing, airdrop events, and offline activities.

❯ Liquidity providers

Benefits and Incentives:

- Transaction fee sharing: A portion of the transaction fees generated from each transaction in the liquidity pool they provide is taken as a reward.
- Mining rewards: In addition to transaction fees, you can continuously receive newly minted SENSE tokens as extra compensation.

5.2 Decentralized Autonomous Organizations

Our ultimate goal is to become a fully community-led DAO, achieving a peaceful transfer of power and the sustainable operation of the system.

❯ Governance structure and processes

Proposal System:

- Threshold: Any user holding more than a certain number of tokens (e.g., 10,000 SENSE) can submit a proposal. To prevent spam proposals, a small amount of tokens may need to be burned as a fee.

Voting mechanism:

- Escrow Voting Model: Users can lock their SENSE tokens for a period of time of their choice. The longer the lock-up period, the higher the voting power multiplier and the higher the percentage of revenue sharing from the treasury.
- Queued Threshold and Pass Rate: Different types of proposals have different pass thresholds.

❯ Treasury Management

Source of funding:

- This includes platform revenue injections, unused quotas from ecosystem mining, and the remaining operating budget gradually transferred by the foundation.

Core uses:

Ecosystem grants	Fund open-source projects, tool development, and educational content that contribute to the ecosystem.
Strategic mergers and acquisitions	With the community's approval, it can be used to acquire complementary technologies or teams.
Market making and liquidity protection	Ensure that the SENSE token has healthy depth in the secondary market.

Operational support:

- Treasury funds are managed by a multi-signature wallet.

5.3 Practical Application Scenarios

SenseTrade AI's capabilities are not just theoretical; they have been mapped and applied in multiple real-world financial scenarios.

> **❯ Private equity funds and hedge funds**

Core function:

- Provides funds with plug-and-play top-level strategy modules and high-performance execution infrastructure.

Value Proposition:

- Strategy diversity: Without the need for years of internal R&D investment, you can access a variety of AI strategies validated by massive amounts of data, making it easy to build "multi-strategy" funds.

SenseTrade AI became the fund's "external quantitative investment department," helping it to rapidly expand its capabilities.

> **❯ Securities firms and asset management institutions**

Core function:

- As the core technology, it helps securities firms quickly build next-generation intelligent investment advisory platforms, achieving service upgrades and a significant increase in customer stickiness.

Value Proposition:

- Brokerages are able to launch value-added services comparable to those of fintech unicorns at the lowest cost and fastest speed.

> **❯ Smart wealth management for individual investors**

Core function:

- The fully automated wealth management system transforms complex quantitative trading capabilities into simple and easy-to-understand "investment packages".

Value Proposition:

- Once users complete the initial setup, the system will take over all subsequent analysis, decision-making, and execution tasks.

5.3 Practical Application Scenarios

❯ Market making and liquidity management

Core function:

- It provides emerging assets and long-tail markets with deep and continuous market liquidity that was previously only available to mainstream assets.

Value Proposition:

- Precise pricing: Utilizes AI models to dynamically adjust bid-ask spreads and order book depth, optimizing inventory risk.

❯ Complex Derivatives Hedging

Core function:

- Provide automated financial "insurance" for businesses or funds that hold digital assets.

Value Proposition:

- Businesses can set risk parameters, and the system will automatically monitor the market.

❯ Emergency Risk Control in Extreme Market Conditions

Core function:

- When the market experiences sharp fluctuations, it acts as an "autopilot emergency braking system" for assets, automatically performing protective operations before human intervention, firmly safeguarding the bottom line of wealth.

Value Proposition:

- Whether it's a "flash crash" in the traditional stock market or a sudden plunge in the cryptocurrency market, the system can respond instantly and preserve capital to the greatest extent possible.
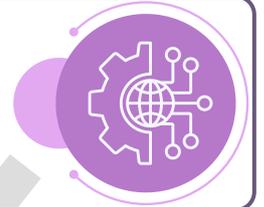
Phase 1: Technology Validation and Ecosystem Foundation Building (2025)

Technology:

- Completed core trading engine V1.0 development
- Achieved stable integration with multiple market data sources and millisecond-level processing capabilities.

Product:

- The public testnet is officially open to the public.
- Registered users have exceeded 50,000, and daily trading volume has reached $10 million.

Token:

- Completed third-party audit
- Successfully completed IDO and established liquidity pools on at least 3 mainstream DEXs

Phase 2: Mainnet Launch and Scale Expansion (2026)

Technology:

- enseTrade AI Mainnet V1.0 Officially Launched
- Average order execution latency is less than 10 milliseconds.

Ecology:

- The "Strategy Developer Incentive Program" has been launched.
- It has attracted 500+ original strategies to join the platform.

Governance:

- DAO governance pilot program launched
- Community treasury initially established, receiving the first injection of platform revenue.

Phase 3: Ecosystem Expansion and Value Cultivation (2027)

Technology:
- Completed development and deployment of cross-chain bridge
- First cross-border, cross-market arbitrage transaction

Application:
- Provides the first listed company with balance sheet digital currency asset management services based on SenseTrade AI

Cooperate:
- Establish strategic partnerships with renowned AI research labs
- Establish physical operational branches in traditional financial centers to enhance localized service capabilities

Phase 4: Establishing Global Benchmarks and Paradigms (2028+)

Technology:
- Released V3.0 system with full self-evolution capabilities
- Enables asset interoperability and trading across more than 5 blockchain networks

Ecology:
- Monthly transaction volume exceeds $5 billion
- Partner ecosystem expands to Asia-Pacific and European markets

Governance:
- Completed the transition to a fully DAO governance model
- The governance efficiency and participation of decentralized autonomous organizations are industry-leading.

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7.1 Global Compliance Strategy

> **Regional compliance strategy**

- **US Market:** We will actively cooperate with the SEC and other relevant regulatory agencies to ensure that all activities are conducted within the existing legal framework. For activities that may be considered securities, we will establish a separate compliance entity and apply for the corresponding licenses.
- **EU Market:** We will strictly comply with the MiCA Act requirements and complete the virtual asset service provider registration process ahead of schedule.
- **Asian Market:** We will focus on establishing compliant operation centers in Singapore and Hong Kong, and obtaining local digital asset trading and service licenses.

> **Regulatory technology applications**

- Deploy advanced transaction monitoring systems to detect suspicious transaction patterns in real time.
- Establish robust user identity verification (KYC) and transaction monitoring mechanisms.
- Regularly publish compliance progress reports to the community to maintain regulatory transparency.

7.2 Systemic Risk Management

Technical security protection

- The smart contract code will undergo three independent audits by PeckShield, CertiK, and Trail of Bits.
- A smart contract insurance fund will be established, initially amounting to 5% of the platform's revenue, to cover losses caused by potential code vulnerabilities.
- A cold/hot wallet separation solution will be adopted for fund storage, with most user assets stored in multi-signature cold wallets.
- A bug bounty program will be established, with a maximum reward of $1 million, to encourage white-hat hackers to discover potential issues.

7.3 Multi-layered risk prevention system

> **Technology and Cybersecurity**

- **Smart contract risks:** Three top-tier security companies have been engaged to conduct full audits.
- **Private key management risks:** A distributed key management scheme is used; a single node cannot control user assets.

> **Financial risk buffer**

- **Extreme Market Risk:** A circuit breaker mechanism will be implemented to suspend trading when market volatility reaches a preset threshold.
- **Liquidity Risk:** Strategic partnerships will be established with major market makers to ensure sufficient depth for core trading pairs.

7.4 Investor Protection Mechanism

> **Information Disclosure System**

- The platform publishes a monthly operations report, which includes key metrics such as trading volume, number of users, and strategy performance.

> **User rights protection**

- Establish clear user agreements and terms of service.
- Establish channels for handling user complaints and suggestions to ensure timely responses to user concerns.

> **Risk assessment mechanism**

- A systematic risk assessment is conducted quarterly, and the results are published to the community.
- A risk management committee is established to oversee and improve the overall risk control system.