



A decentralized financial platform  
that provides AI trading robot services

Whitepaper



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# Origin of AI Trading



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# 1 Origin of AI trading

## 1.1 Quantify the development and evolution of robots

What is Quantitative Robot? First of all, the quantification is separated, the quantity refers to the trading strategy, and the transformation refers to the strict implementation. Quantitative robots refer to machines that strictly implement trading strategies. In layman's terms, where is the buying point, where is the selling point, programming programs, and then replace manual transactions.

That is to say, by quantifying robot-assisted tools, and then analyzing and judging through a set of fixed logical models and algorithmic strategies, and then we use these strategies to conduct trading guidance tools.


At present, the quantitative robot has completed the iterative evolution from the brick-moving arbitrage robot in the 1.0 era, to the high-frequency quantitative robot in the 2.0 era, and then to the fully automatic quantitative trading robot based on GPT4 technology in the 3.0 era:

<b>Era</b>	<b>Mode</b>	<b>Own characteristics</b>
1.0 Era	Brick Arbitrage Robot	It is necessary to adjust the parameter strategy personally, and often fall into a state of loss
2.0 Era	High Frequency Quantification Robot	High-quality data and algorithms need to be continuously provided, and the amount of data is often insufficient
3.0 Era	Fully automatic quantitative trading robot based on GPT4 technology	Machine learning provides efficient strategies, and packaging investment plans saves time and worry

## 1.2 With the outbreak of ChatGPT, AI trading ushered in the best period in history

AI trading refers to the use of artificial intelligence to analyze and execute trading





strategies in the stock market. AI trading can help investors process large amounts of data, identify patterns and trends, and make faster and more accurate decisions.

AI transactions have gone through the following 4 stages:

### **Phase 1: 1960s and 1970s**

AI researchers have developed various methods and algorithms for solving problems in natural language processing, computer vision, and gaming. Some of these methods, such as neural networks and genetic algorithms, were later applied to financial markets.

### **Phase Two: 1980s and 1990s**

In the 1980s, programmatic trading developed rapidly, and the trading volume increased sharply, because the similarity of software usage and the introduction of stop loss function strengthened the directional effect of the market; in the 1990s, brokerage companies used programmatic trading as a competition. The means, the way of the portfolio are colorful.

Programmatic trading is an investment behavior controlled by computers, using algorithms to perform the work of traditional professional investors, such as finding investment opportunities, managing risks, and quickly making trade decisions. Programmatic trading on computers has transformed the way many trade decisions are made, but the technology itself does not give a market participant an unfair advantage.

### **Phase Three: 2000s and 2010s**

AI transactions have reached new heights with the advent of big data, cloud computing, and deep learning. AI traders can leverage massive amounts of data from various sources, such as social media, news, and sentiment analysis, and use complex neural networks to learn from the data and adapt to market changes.

## **Phase Four: 2020s and Beyond**

With the advent of new technologies such as quantum computing, blockchain, and natural language generation, AI traders may be able to create more diverse and dynamic trading strategies, as well as communicate and collaborate with other AI traders and human investors.

### **1.3 Embrace the greatest trend of the 21st century**

Since the 21st century, many new technologies have been born to promote the development of human society. In recent years, with the development of blockchain, robots, quantitative transactions, ChatGPT and GPT-4, people have embraced new technologies and new technologies with a more open attitude. trend.

#### **1.3.1 Blockchain**

As an emerging technology, blockchain technology has gradually attracted people's attention and heated discussions due to its characteristics of decentralization, transaction security, and traceability. Especially in the financial field, the application prospect of blockchain technology is even broader:

1. Use the blockchain technology liquidation system to realize the automatic execution and liquidation functions related to stock, bond issuance, circulation, trading and other businesses.
2. Establish a decentralized digital currency exchange to achieve transaction data consistency and reliability.
3. With the help of blockchain technology, establish a digital securities financing platform, create a complete financial service ecosystem, and better meet the investment needs of investors.

#### **1.3.2 Robots**

The technology of working with robots is called robotics. Robots are machines that are programmed to perform a series of tasks, usually fully or partially

independently.

Robots have the following advantages in the financial market:

1. **Cloud computing:** The robot will automatically calculate the interval points between two orders and the tradable price range in real time according to the timing of entry and price changes, and calculate the recommended take-profit ratio based on different series and currency pairs.
2. **Fully automatic execution:** The robot monitors the price and quantity at the same time, and automatically buys when the conditions are met. A group of orders as a whole monitors the overall profit situation, and automatically sells the currency held by the strategy when the profit stop condition is met.
3. **Average price of positions:** If the price deviates from the average price and reaches the interval point, follow up orders and increase positions. Repeat this until the price exceeds the tradable price range, or the order number of the trading strategy is full, then stop adding positions.

### 1.3.3 Quantitative trading

Quantitative trading refers to a trading strategy in which the financial market uses quantitative analysis to identify trading opportunities. It replaces the execution of our trading ideas and makes decisions about the uncertain future for us.

Advantages of quantitative trading:

1. **Speed and accuracy:** The operation speed of manual trading is limited, while quantitative trading means that once the system detects that the trading standards are met, it will automatically place an order.
2. **Not affected by human emotions:** Quantitative transactions are not affected by human emotions and human errors. Transactions based on quantitative models can control emotions and prevent excessive trading, thereby avoiding common risks of traders.
3. **Backtesting capability:** It uses historical market and transaction data to customize quantitative trading models, and its performance analysis helps determine the



performance of quantitative trading models in the current market.

4. Discipline: Quantitative trading can help traders stick to the established trading plan in a volatile market, and it can also avoid human error.

5. Realize transaction diversification: Through quantitative trading models, multiple trading strategies can be used to spread risks through multiple accounts.

Quantitative trading also helps to handle a wider portfolio at a lower cost than managing trades manually.

The common quantitative trading strategies currently on the market are shown in the following figure:



### 1.3.4 ChatGPT

ChatGPT is a brand-new chat robot model developed by the artificial intelligence company OpenAI. It can conduct conversations by learning and understanding human language, interact according to the context of the chat, and assist humans to complete a series of tasks. This kind of revolutionary subversion has made all-powerful Internet companies clearly feel the urgency of the problem.

At present, ChatGPT has hundreds of millions of users around the world. Programmers use it to generate code, civil servants use it to generate reports, designers use it to generate design sketches with one click, marketers use it to

generate competitive product analysis, write business reports and other business documents, and teachers use it to generate teaching materials, quizzes and courses content, the students used it to learn the dissertation...

However, ChatGPT looks powerful, but its data is still two or three years ago, and it cannot be updated in time. In an ever-changing and ever-changing society, the ChatGPT data set is suspected to be a bit outdated, but as long as it starts linkage with the web, it will give more accurate answers based on Internet information in real time.

### 1.3.5 GPT-4

GPT-4 (Generative Pre-trained Transformer 4) is the latest GPT series model released by OpenAI. It is a large-scale multimodal model that can accept image and text inputs and produce text outputs. The output task is still an autoregressive word prediction task, which is slightly different from the previous expectations of the outside world (GPT-4 multimodality is expected to increase multimodal input of voice, image, video, and text, and the output may not be limited to text ).

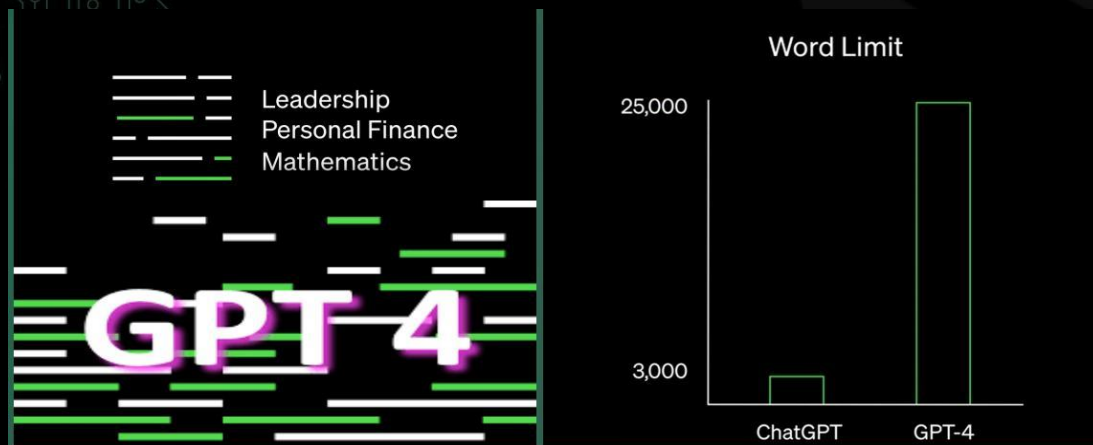
The overall situation of the GPT series model is as follows :

Table 5: Analysis of various model ablations on different tasks. Avg. score is a unweighted average of all the results. (*mc*= Mathews correlation, *acc*=Accuracy, *pc*=Pearson correlation)

Method	Avg. Score	CoLA (mc)	SST2 (acc)	MRPC (F1)	STSBB (pc)	QQP (F1)	MNLI (acc)	QNLI (acc)	RTE (acc)
Transformer w/ aux LM (full)	74.7	45.4	91.3	82.3	82.0	<b>70.3</b>	<b>81.8</b>	<b>88.1</b>	<b>56.0</b>
Transformer w/o pre-training	59.9	18.9	84.0	79.4	30.9	65.5	75.7	71.2	53.8
Transformer w/o aux LM	<b>75.0</b>	<b>47.9</b>	<b>92.0</b>	<b>84.9</b>	<b>83.2</b>	69.8	81.1	86.9	54.4
LSTM w/ aux LM	69.1	30.3	90.5	83.2	71.8	68.1	71.2	81.1	54.6

Overall, GPT-4 has demonstrated human-level capabilities on a variety of professional and academic benchmarks, including passing mock bar exams in about the top 10%. For generating hallucinations and security issues, it has been greatly improved; at the same time, the application range of GPT-4 has been expanded due to its strong recognition ability for image modalities. Compared with ChatGPT, GPT-4 has upgraded capabilities, is more reliable, more creative, and handles more subtle instructions. At the same time, it has a strong ability to recognize pictures, and has also improved in terms of hallucinations and safety questions, and can also perform model training behavior prediction.

## 1.4 The era of smart finance has arrived



The so-called smart finance is the product of the continuous high integration of AI intelligence and finance. With the continuous application of natural language, knowledge graph, blockchain and other technologies, artificial intelligence finance is developing rapidly, and smart finance will also be the next era of Internet finance.

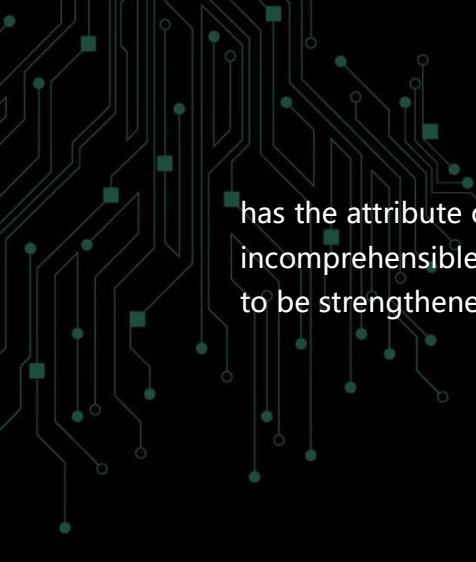
At present, there is little room for arbitrage in Internet finance. In the era of intelligent finance, other profit directions will also be explored, and the depth and breadth of financial business will be further expanded.

In addition, the development history of smart finance shows that, relying on the integration and coordinated development of a series of emerging technologies such as artificial intelligence, smart finance has made great achievements in effectively promoting traditional financial risk control, marketing, customer operation and maintenance, investment research, and investment consulting. series of breakthroughs and innovations. There are three major trends worthy of attention in the future:

First, the service scenarios of smart financial applications will continue to be enriched.

Second, with the continuous cross-border cooperation between technology companies and financial companies, the ability to innovate and develop smart finance will continue to improve.

Smart finance adopts emerging technologies such as artificial intelligence, which



has the attribute of a technical black box, that is, it is technically unobservable or incomprehensible, so the regulatory requirements for smart finance will continue to be strengthened in the future.



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# About GPT4DRONES



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## 2 About



### 2.1 Company Introduction

GPT4DRONES was jointly created by the Goldman Sachs Bank Group of the United States and Valleywise, GS in Silicon Valley. It is a decentralized financial platform based on blockchain technology with multiple digital signatures and consensus algorithms.

The core business of GPT4DRONES is trading robots for AI. The AI Fox technology developed by the GPT4DRONES technical team and the ChatGPT source data model library have realized the perfect combination of AI quantification and financial services, maximizing the efficiency of capital flow and promoting

the rapid development of the blockchain financial platform business.

GPT4DRONES is the first AI smart banking platform in the United States that combines traditional investment banks with blockchain technology.

As a financial technology subsidiary of Goldman Sachs, GPT4DRONES is committed to the innovative application and popularization of digital AI technology. Relying on Goldman Sachs' deep accumulation and global influence in the financial field, GPT4DRONES organically combines AI Fox technology, ChatGPT4 and AI quantitative service business to provide safe, efficient and personalized financial solutions.

The AI Fox system realizes the intelligent matching and cross-border investment of funds under the C2C model through machine learning and big data technology. When in use, according to investors' investment preferences and risk tolerance, AI Fox and ChatGPT's machine learning models will automatically analyze big data, track global market trends in real time, optimize capital allocation, and obtain more stable and efficient investment returns . The AI Fox technology independently



developed by GPT4DRONES won the 2022 National Financial Technology Forum Innovation Award.

## **2.2 GPT4DRONES core technology**

### **2.2.1 Fully automatic quantitative trading platform based on GPT4 technology**

GPT4DRONES uses advanced machine learning algorithms and natural language processing technology to build a high-precision forecasting model and intelligent trading system to provide professional quantitative trading services for the digital currency market.

### **2.2.2 AI Fox robot system**

Trading strategies and parameters can be automatically adjusted to achieve an optimal investment portfolio. Through GPT4 technology, GPT4DRONES can conduct intelligent dialogue and interaction with users, provide information and suggestions on market conditions, technical analysis, fundamental analysis, etc., and improve user experience and satisfaction.

## **2.3 GPT4DRONES Global Market**

GPT4DRONES has established 8 major operation centers in New York, Bangkok, Thailand, London, and Seoul, South Korea, and its business scope covers 50+ national markets. At the same time, GPT4DRONES has 200+ global employees and has established friendly strategic partnerships with 70+ institutions.



## 2.4 GPT4DRONES trading system

### 2.4.1 GPT-4 artificial intelligence

Based on the autonomous deep learning of the Intelligence neural network, it can generate texts of various types and styles, and have fluent and meaningful dialogues with humans. GPT-4 can also accept image and text inputs, enabling multimodal capabilities. It demonstrates superior human-level performance on several professional and academic benchmarks.

### 2.4.2 ARCHIMIDES- Big Data System ArchimedesVBigVData System provides big data channels

Based on artificial intelligence, combined with big data systems, in-depth mining, in-depth analysis and deep learning, by analyzing existing macroeconomic data and comparing historical financial trading markets, accurately select trading strategies and conduct transactions within milliseconds.

## 2.5 Reached a strategic partnership with Binance

GPT4DRONES previously established a strategic partnership with Binance, the world's largest digital currency exchange. GPT4DRONES provides Binance with professional market research through its self-developed AI quantitative analysis system, and Binance provides GPT4DRONES with security technical support and a stable strategy implementation platform.

GPT4DRONES users can easily purchase and hold GPTD on Binance, enjoy daily dividends and interest, and can also exchange other digital currencies at any time. GPT4DRONES allows users to not be affected by market fluctuations and risks, and only enjoy the value-added and benefits of digital currency.

## 2.6 Strategic cooperation

GPT4DRONES's customers and partners are not limited to: Goldman Sachs, Bridgewater Fund, Renaissance (quantitative trading giant, established fund), Yingman Group (the world's largest listed hedge fund), Binance (the world's largest digital currency exchange), Bybit, OKX, etc.






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**GPT4DRRONES**

Solutions

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## **3.1 GPT-4 based solution**

### **3.1.1 Execute transactions that cannot be repeated manually**

GPT4DRONES uses mathematical models to execute transactions that cannot be repeated manually through smart contracts, including: big data, algorithm models, entry timing, position management, risk control, and detection strategies, strategies and other historical data backtesting data for detection.

You must know that the market is changing rapidly, and no strategy can always be applied to the current market. Therefore, after the firm offer transaction, the background monitoring strategy is effective at all times.

### **3.1.2 Effectively avoid emotional problems caused by human manipulation**

GPT4DRONES will automatically calculate the interval points between two orders and the tradable price range in real time according to the timing of entry and price changes, and calculate the recommended take-profit ratio according to different series and different currency pairs, which can effectively avoid manual operations. Greed" and "fear" emotions, and avoid the wrong operations of "sell with reluctance" and "hold on".

### **3.1.3 24 hours a day trading throughout the year, continue to create profits for you**

GPT4DRONES can use quantitative means to describe and solve transaction problems:

- Quantitative definition of market phenomena and trading objectives
- Mathematical modeling of trading strategies
- Optimization of strategy parameters
- Quantitative evaluation of strategy performance, etc.

In the execution process, strictly follow the quantitative rules to make trading

decisions and operations:

- Strategies are not affected by human emotions and biases
- Use historical data to carry out backtest verification, and use it to execute accurately in the real market

GPT4DRONES has the characteristics of non-stop, that is, there is no limit to AI contract transactions, they can run 24\*7, while manual operations are limited and require rest and sleep.

## 3.2 Sustainable ecology

### 3.2.1 AI contract transaction

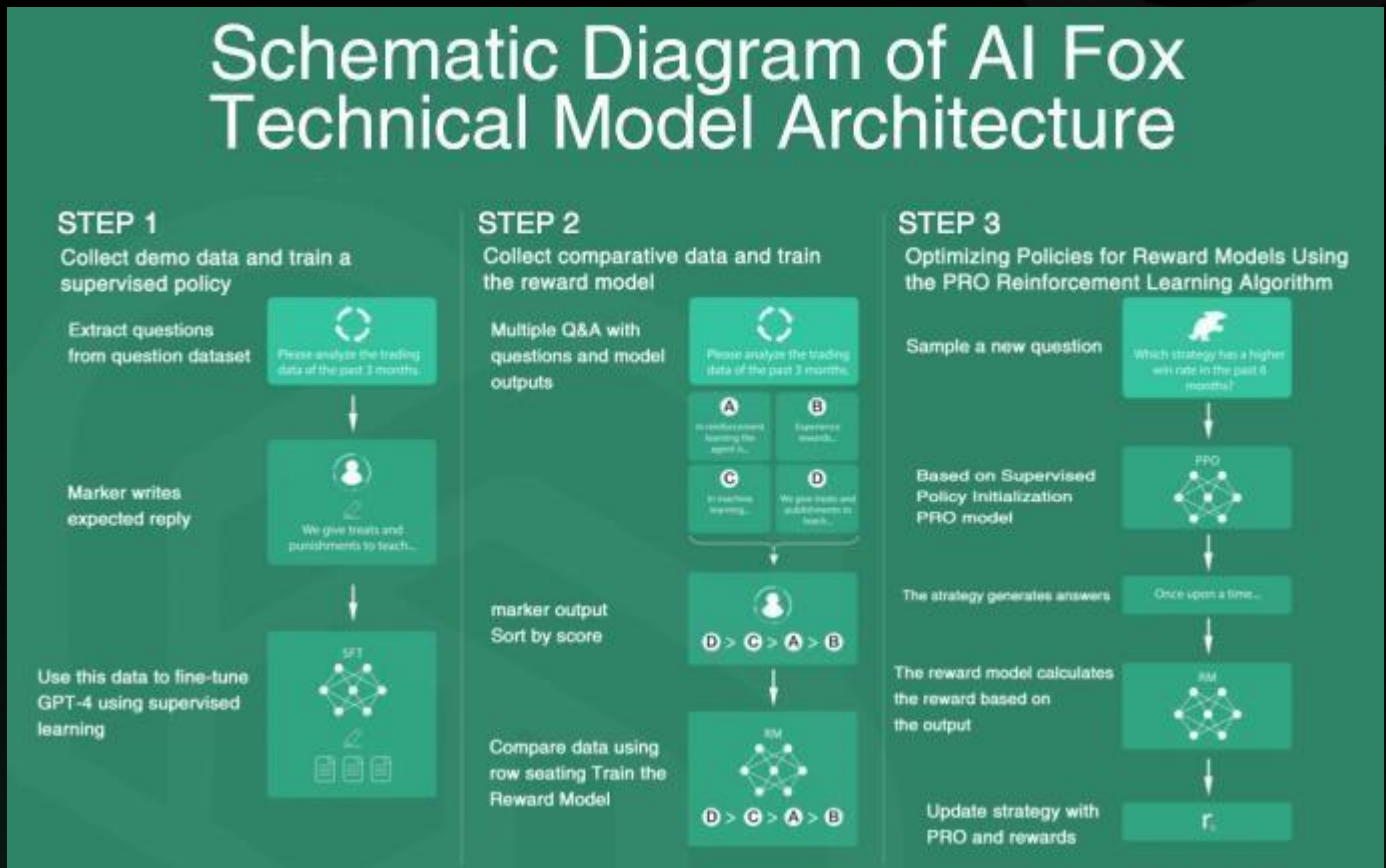
AI contracts can make GPT4DRONES more competitive in technology. The development of AI technology has brought more possibilities and innovations to smart contracts, which can better solve the problems of traditional smart contracts and increase the operability and reliability of smart contracts.

Blockchain technology can integrate AI technology to achieve more efficient smart contracts, and can even be expanded to more application fields. This can be organically combined with other technologies to expand the application scenarios of blockchain technology, and both sides will also exist Some coincide and complement each other. For example, in the selection of AI algorithms and models, blockchain technology can provide more secure, reliable and trustworthy data sets, enabling AI smart contracts to be better applied in practice. In addition, in terms of authentication and authorization, the decentralization, openness and transparency of blockchain technology can better guarantee the security and trust of smart contracts.

### 3.2.2 AI Fox trading Bot Service

GPT4DRONES provides AI Fox trading robot service, as well as a variety of trading strategies, regardless of bear market or bull market, to deal with a variety of market conditions and improve the profitability of low-level investors.

## Schematic Diagram of AI Fox Technical Model Architecture



### 3.3 Matrix quantitative trading ecology

Compared with traditional financial markets, encrypted assets are characterized by high volatility and are an excellent trading target. In the current market, the quantitative team data of encrypted assets has exploded, but the overall performance is uneven, and it is difficult for ordinary investors to distinguish.

In view of the demand for GPT4DRONES encrypted asset management, GPT4DRONES will

create a multi-asset, multi-period, multi-strategy investment portfolio, which will also be open to ordinary investors at an appropriate time in the future.

### 1. Multiple assets

- Multi-currency
- Cryptocurrency contract futures
- Small currency with excellent fundamentals
- Options
- Quantitative Finance

### 2. Multi-cycle

- Strategic asset allocation: medium and long-term strategies, crossing short-term fluctuations
- Tactical asset allocation: short-term strategy, enhanced income, investment withdrawal

### 3. Multiple strategies

- Fundamental research (mainly based on data on the GPT4DRONES chain)
- Hedging strategy
- Behavioral Finance Methodology
- Arbitrage strategy
- Trend-following strategy

## 3.4 Mining Smart Contract

GPT4DRONES has established a large-scale AI social network based on the blockchain, decentralized data collectors can collect data for requesters, and data owners can publish their data in the network, and the price of accessing these data is much lower than directly from the data. It is much cheaper for companies to buy data.

The GPT4DRONES system provides two main data collection methods and has three incentives for data providers:

1. If the data passes the verification of the system, the data contributor will receive GPTD incentives from GPT4DRONES.
2. If the data published on GPT4DRONES is purchased by the data requester, the publisher will receive a reward from the buyer. If the data published on



GPT4DRONES is marked as high-quality data by the technical team, the publisher will receive additional rewards from GPT4DRONES.

3. Setting the miner verification layer is only used to verify the correctness of the annotation work, and setting the miner correction layer is limited to the most qualified miners for verifying and correcting the work of the verification layer.

### **3.5 Ecology of Wealth Management Zone**

Investors in the digital asset industry with an adventurous spirit and a strong ability to resist pressure have chosen contract transactions. In addition to this type of investor, there is also a type of investor who is cautious on the road to digital currency investment. For other trading methods It is unacceptable to make a big profit or a big drop, but some people want to make money through digital currency investment, so financial investment has become the favorite of this type of investors. In view of this, GPT4DRONES has set up a wealth management area, which is mainly divided into two major sections: capital-guaranteed wealth management and high-yield wealth management.

#### **3.5.1 Guaranteed financial management**

Novice users can start with capital-guaranteed wealth management products to ensure that you can obtain stable income. The user enters the wealth management area, selects the principal-guaranteed wealth management product, and then can see the relevant currency and product type, and can enter the subscription.

##### **1、 New Coin Mining**

Mining is a process in which users obtain corresponding benefits by providing digital assets and participating in various decentralized projects, such as providing liquidity for liquidity pools. The new currency mining is to participate in the new currency mining project by providing corresponding digital assets, so as to obtain corresponding returns.

##### **2、 GPTD income pool**

GPTD income pool is a capital-guaranteed wealth management product with



flexible access. By integrating various wealth management products that support GPTD, breaking the boundary between centralized finance and decentralized finance, allowing GPTD holders to enjoy the multiple benefits of the GPT4DRONES ecosystem. Based on comprehensive calculations, GPTD will be flexibly allocated for investment to help users maximize their return on investment.

### **3. Staking**

Obtain income by locking Stake (Locked Staking), which is often referred to as PoS, Proof of Stake, and users earn income by staking in the blockchain. It can be redeemed after the subscription is successful, but it should be noted that the assets are pledged and redeemed on the chain requires a certain unlocking period. Different currencies have different times, and the actual redemption time is subject to the actual account.

#### **3.5.2 High Yield Financial Management**

##### **1. DeFi mining**

GPT4DRONES provides DeFi mining, through proxy users to participate in the corresponding decentralized projects, without the need to manage private keys and avoid complex operations such as obtaining resources and running transactions, eliminating high resource transaction fees. With just one click to "lock up", you can participate in DeFi mining and realize income and distribution.

##### **2. Liquidity mining**

GPT4DRONES users can obtain high annualized returns by providing liquidity for the assets injected into the liquidity pool on the platform. In addition, users can choose the exchange corresponding to the digital currency in the liquidity pool, and the exchange of the liquidity pool has the advantages of low slippage and low handling fee. Users can withdraw assets at any time, but if they choose a single asset in the pool, they need to pay a handling fee.

GPT

**GPT4DRONES**

Technical Advantages

4



## 4.1 0 milliseconds delay calling ChatGPT-GPT4 technology

GPT4DRONES can help users analyze market conditions and make more informed investment decisions based on market data and other information provided by users.

GPT4DRONES can generate text to predict market trends based on historical data and current market conditions. This can help users formulate more accurate trading strategies, thereby increasing the user's profitability.

Using the program generated by GPT4DRONES to quickly understand industry trends, the system can help users analyze industry trends and provide information on market competition, technological progress, and policy changes. This can help users better understand the market and develop more effective investment strategies.

Using the text code generated by GPT4DRONES for transaction execution, the robot products provided by the platform can help you generate the text/code of the transaction order according to your own trading strategy. This can help users execute transactions quickly and accurately, thereby increasing user profitability.

## 4.2 Self-built database + self-owned system + GPT-4 open

### source

The operation of GPT4DRONES requires the use of data, and this data is also stored as part of GPT4DRONES. For example, when transferring an on-chain transaction asset from one node to another, the amount transferred is stored along with the sender, receiver, and time of transfer. Therefore, the GPT4DRONES technical team builds its own database and integrates the advantages of blockchain, ChatGPT and GPT-4 open source, so that the database is fully guaranteed in terms of open source, efficiency, and security.

Most of the GPT4DRONES core development team came from exchanges with zero security incidents and have a stronger awareness of security. The GPT4DRONES database has been in safe operation for more than 1560 days, with 0 incidents of coin theft and a total of 0 security incidents. The strong technical strength of the GPT4DRONES team can also ensure the orderly operation of the database.

The infographic is divided into two main sections. The left section, on a dark teal background, lists security achievements: 'The development team has zero security accidents and comes from an exchange, with a stronger awareness of security', 'It has been safely operated for more than 1560 days', '0 incidents of coin theft occurred', and 'A total of 0 safety accidents'. The right section, on a lighter teal background, lists technical features: 'Core smart contract code', 'multi-tiered server architecture', 'Self-developed', 'Multiple hot and cold wallets offline signature', 'millisecond system', 'The liquidation speed is much higher than the current global mainstream platform', 'Platform real-time reconciliation', 'Super system self-test', 'Multiple sets of risk control logic', 'Separate storage of cold wallet + hot wallet', and 'Complete big data risk control system'.

The development team has zero security accidents and comes from an exchange, with a stronger awareness of security

It has been safely operated for more than **1560** days

**0** incidents of coin theft occurred

A total of **0** safety accidents

Core smart contract code      multi-tiered server architecture

Self-developed      Multiple hot and cold wallets offline signature

millisecond system

The liquidation speed is much higher than the current global mainstream platform

Platform real-time reconciliation      Super system self-test

Multiple sets of risk control logic

Separate storage of cold wallet + hot wallet

Complete big data risk control system

#### 4.3 GPT-4 trading robot - investment artifact for beginners

GPT-4 trading robot can carry out trading strategies of buying low and selling high in a specific price range. In the volatile digital asset market, using it can largely avoid wrong trading decisions caused by human factors, and it can assist traders to strictly implement their own trading strategies of buying low and selling high.

According to different trading strategies of traders, the robot parameters set will also be different. GPT4DRONES helps every investor complete the digital currency market transaction AI transformation revolution.

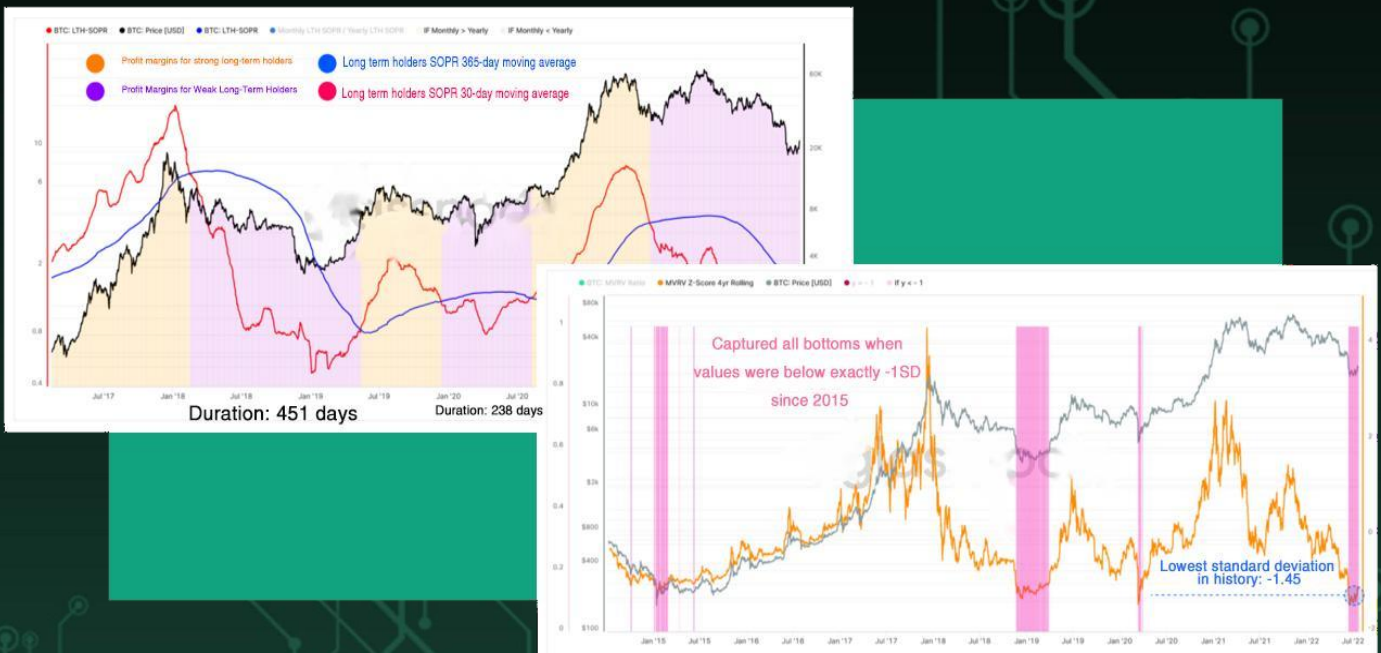


## 4.4 Profit Guarantee

### 4.4.1 Self-built tens of millions of US dollars intelligent database, penetrating every transaction on the chain



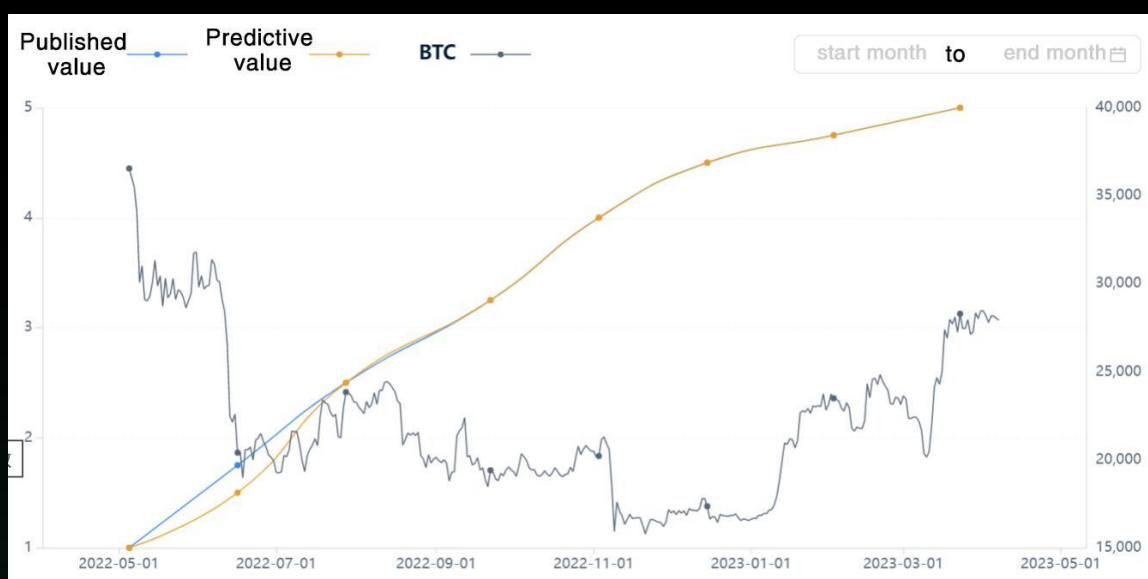
### 4.4.2 160+ mathematical models, AI review of 2 million transactions, lock in profits





#### 4.4.3 Powerful algorithm, formula backtest, high-frequency trading test model

GPT4DRONES trading robot automatically reads historical transaction time, price, trading volume, open interest and other data according to pre-set trading rules and trading judgment algorithms; and judges whether to trade. If the market data satisfies the transaction judgment algorithm, place an order to open a position. When it detects that the market data meets the closing conditions, it will automatically close the position.



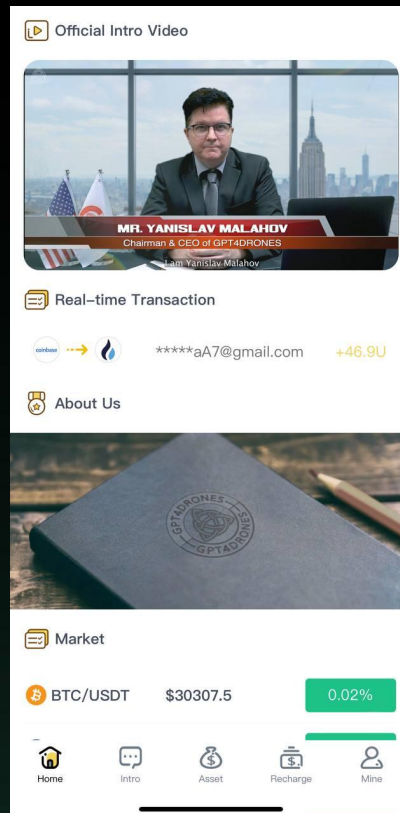
The GPT4DRONES trading robot will also automatically count important information such as the transaction time, transaction amount, final profit level of each investment, the number of trading profits/losses/transaction success rate and draw graphics according to market trading rules. And the initial setting, the robot can help traders operate in the market, analyze the market and open and close positions 24 hours a day.

At the beginning of the transaction, the possibility of manual intervention in the normal transaction is cut off, so that the entire transaction process does not involve human participation, and there is no human weakness, and the loss caused by emotional factors is greatly reduced.

## 4.5 Display of backtest growth of each tool

GPT4DRONES currently has 167 tools for backtesting with 2 million transactions as the unit, and the highest return is 285.196%.

## 4.6 Simple UI, solve the pain points of complex transactions, zero threshold transactions



## 4.7 Update indicators in real time, track them dynamically, and use data to support profits

Update indicator (reverse):  
Provable loss and possible loss.

Workbench performance improvements:  
The min/max functions, the Sma function and the hline function have been



greatly improved in speed.

**Regular update releases:**

**New Lightning Metrics Lightning Base Fee (Median), Lightning Fee Rate (Median), Lightning Gini (Capacity Distribution), Lightning Gini (Channel Distribution), Lightning Node Connections.**

**Reduce error counts in the database and help increase profitability.**

GPT

# GPT4DRONES

Economic Model

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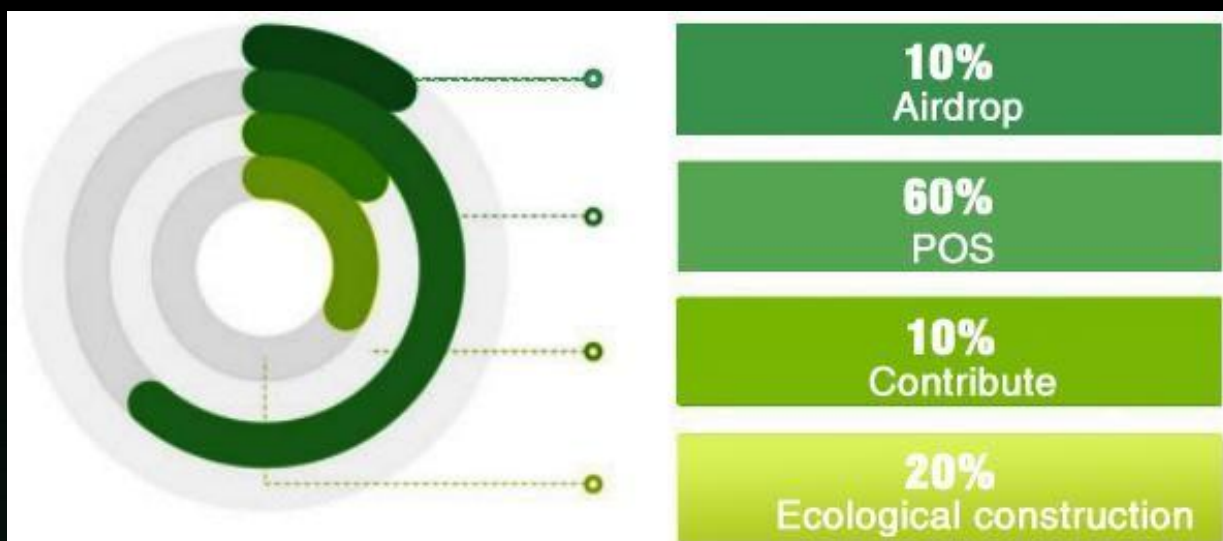
## 5.1 Issuance plan

Token name: GPTD

Total issuance: 210,000 pieces

Initial price: 1U/piece

Distribution plan: 10% for airdrops, 60% for POS, 10% for contribution ratio, and the remaining 20% for ecological construction.




## 5.2 GPTD value

### 5.2.1 Right

Owning a GPTD is equivalent to being given a right - product use, governance behavior, given contribution, voting, or access to products or markets; in some cases, GPTD will grant users real ownership.

### 5.2.2 value exchange

GPTD is also an atomic unit for value exchange in a specific market or a specific application, resulting in a transaction economy between buyers and sellers. This includes allowing users to earn value and spend it on services within its built-in



ecosystem.

Users can earn income through active work (real work and actions), or passive work (such as sharing data). The creation of such an internal economy can be said to be one of the most important results, and it must be one that can be sustained over time.

### **5.2.3 Toll**

Just like paying highway tolls, GPTD can be used to pay for the use of GPT4DRONES ecological infrastructure and corresponding products. This also ensures that users "share benefits and share risks".

It can include running a smart contract to perform a specific function, paying a security deposit or a general usage fee in the form of a transaction fee or other meter.

### **5.2.4 Function**

GPTD can also be used as a lever to enrich the user experience, including some basic actions such as joining a network, or connecting between users. It can also serve as an incentive if it is awarded for (the user) starting to use or enter the relevant network.

### **5.2.5 Currency**

GPTD is a very efficient payment method and transaction engine within a range of options. This is key to enabling frictionless transactions in these closed environments. GPTD offers a much lower barrier to entry for processing end-to-end transactions in a given market.

### **5.2.6 income**

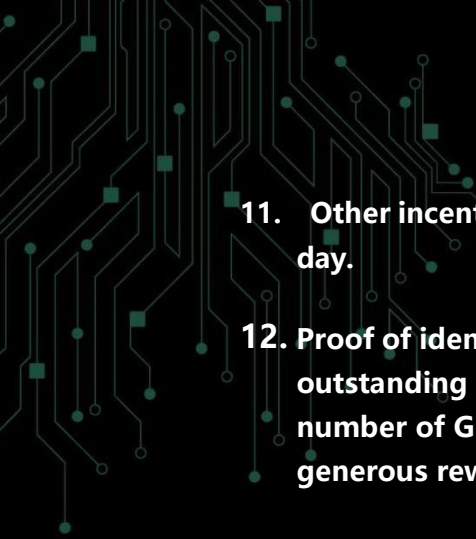
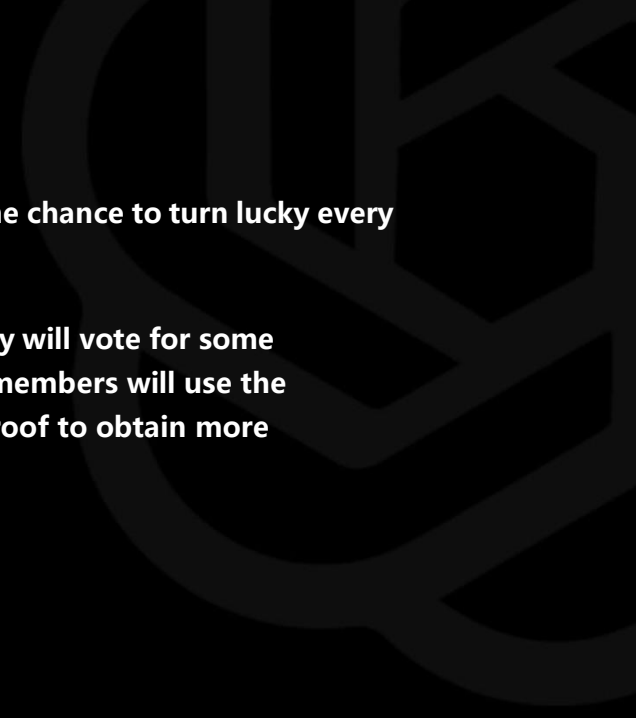
The fair redistribution of the generated value growth is the part that can be activated based on the blockchain model. Whether it is profit sharing, benefit sharing, or other benefits (such as from inflation), it is desirable to share positive aspects with all GPTD holders.

### **5.3 GPTD application scenarios**

The encrypted digital certificate issued by GPTD based on blockchain technology can be used for GPT4DRONES ecological circulation and community rewards, and can also obtain more income and return on investment by holding GPTD, and can also conveniently represent and measure digital economic activities on the chain .

The application scenarios of GPTD include but not limited to:

- 1. Issuance and fundraising: GPTD can subscribe and issue for global nodes to raise resources for project development and construction.**
- 2. Platform use: GPTD can be used for node partner airdrops, newcomer welfare airdrops (worth one ten-thousandth of the daily investment profit), and quota subscription;**
- 3. Platform handling fee: GPTD can be used for the whole network handling fee, and 5% of the handling fee is used to repurchase GPTD;**
- 4. Platform repurchase and destruction: 10% of platform profits are used to repurchase and destroy GPTD;**
- 5. Exchange transactions: After GPTD can be listed on mainstream digital exchanges, users can hold GPTD to buy and sell freely, and can also trade and exchange with other mainstream digital currencies.**
- 6. Pledge mining: GPTD can be used for pledge mining.**
- 7. Investment and financial management: GPTD can be used for quantitative investment and financial management on the GPT4DRONES platform.**
- 8. NFT transaction: GPTD can invest in NFT products in GPT4DRONES.**
- 9. Platform consumption: GPTD can be circulated on the GPT4DRONES platform for shopping and consumption on the platform.**
- 10. Community incentives: Use GPTD to reward participants who contribute to the GPT4DRONES project.**

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- 11. Other incentives: Holders of GPTD will have the chance to turn lucky every day.**
  - 12. Proof of identity: The GPT4DRONES community will vote for some outstanding community members, and these members will use the number of GPTD coins held as their identity proof to obtain more generous rewards in the community.**



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**GPT4DRONES**

Governance Model

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## 6.1 DAO Community

DAO is a distributed autonomous organization, which is a decentralized organization that uses smart contracts to control the flow of funds and the organization's decision-making. It can be used to build decentralized applications, such as decentralized exchanges, decentralized voting systems, etc.

GPT4DRONES will establish a DAO community (based on blockchain smart contracts). For our purposes, all you need to know is that a smart contract, once activated, executes the rules written in it and ensures that all entities participating in the contract obey the rules.

So the idea is to write your DAO as a smart contract so that no centralized authority is required to manage the organization's people, money, and other resources.

In order to become a member of GPT4DRONES DAO, you need to hold a token representing your stake in the organization - GPTD. These tokens allow DAO members to vote on decisions. Smart contracts count votes and then approve things like salary payments, capital expenditures, investments, and other similar actions.

GPTD is also the main way for GPT4DRONES DAO to obtain initial funds. Members invest in the DAO and receive GPTD as a proxy for their shares and voting rights. The initial financing stage is basically the same as the initial issuance of tokens. This phase occurs before the deployment of the DAO, but after the drafting of the smart contracts.

Imagine a company where all employees have equal shares, there is no CEO, and a computer program announces what will happen next after taking into account the opinions of each employee. That's a DAO, except the computer is a blockchain-based virtual machine that runs on the distributed computing power of crypto miners.

### **What are the benefits of GPT4DRONES DAO?**

The first is that DAO is transparent. The code in the DAO smart contract is publicly auditable. Once a smart contract is activated, it cannot be changed. The modification must be added as a new smart contract, and then members vote to transfer funds from the old DAO contract to the new one.

Furthermore, once the smart contract is activated, the creator of the DAO has no more power than any other stakeholder. A central authority is the curse of the DAO, and the DAO design effectively gives it a "flat" organizational design. If you trust your code, you don't need to trust anyone else.

And, any member of the DAO can make a proposal, whether it's a new project idea, a proposed investment, or anything else. The entire group then considers the proposal and votes on whether the organization should implement it and provide funding and resources.

In the future, GPT4DRONES will digitize and tokenize various elements in the community (such as people, organizations, knowledge, events, products, influence, reputation, etc.) through DAO, so as to fully integrate monetary capital, human capital and other element resources, to promote the internal economic cycle, taking into account the efficiency and fairness of collaboration within the community.

By building a stronger fortress of common interests, GPT4DRONES can better deal with the threats faced by the ecosystem and further increase the stability of the ecosystem.

## 6.2 Ecological Fund

In order to better serve the ecological development, GPT4DRONES will establish an ecological fund. At the same time, in order to allow users to participate in the construction of the GPT4DRONES platform, GPT4DRONES will gradually transfer part of the authority of the ecological fund to allow users to participate in decision-making in the form of DAO. The main economic activities of the Ecological Fund are:

- Purchase NFT assets, mission props and other assets that can promote the ecological development of GPT4DRONES to invest in potential platform projects;
- Self-incubating and empowering projects with high playability and completeness, and rejuvenating them on the chain by implanting token economic models.

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Team Introduction

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## team introduction



**Mark Gilbert**  
**GPT4DRONES**  
**Vice President**

He has more than 17 years of experience in B2C, B2B marketing and financial investment. He is currently the vice president of GPT4DRONES and a professor at Alzette University, a well-known British university. Worked as a manager in several luxury companies including Fendi, Prada and Jimmy Cho. Around 2017, he began to devote himself to the blockchain industry, and has been deeply involved in the encryption field as an investor since then.



**Nathan Lee**  
**GPT4DRONES**  
**chief scientist**

Mainly responsible for the algorithm design and optimization of GPT4DRONES. Ph.D. in computer science from Stanford University. He has been engaged in research on natural language processing and machine learning at the IBM Research Institute. He has published many top conference and journal papers and holds a number of patents. Before joining GPT4DRONES, he served as the person in charge of Natural Language Processing (NLP) of 4Paradigm, leading the development and implementation of multiple NLP projects and products.



**Sean Murphy**  
**GPT4DRONES**

**Chief Data Engineer**

Double master's degree in financial mathematics and electronic engineering from Stanford University in the United States. He has worked as a quantitative analyst at Citadel LLC, a world-renowned quantitative hedge fund. He is good at intraday trading and statistical arbitrage, and has rich experience in quantitative trading and investment research system development.



**Theo Miller**  
**GPT4DRONES**

**Chief Product Manager**

He used to be the product manager of Facebook, mainly responsible for the product planning and marketing of GPT4DRONES. MBA from Harvard Business School, once engaged in product management in social networking and content recommendation at Facebook, and was responsible for the functional design and user growth of products such as Instagram and WhatsApp.



**Ethan Davis**  
**GPT4DRONES**  
**Chief Data Scientist**

Double bachelor's degree in mathematics and statistics from the Massachusetts Institute of Technology. He has been engaged in the application of data science and machine learning at Microsoft, and participated in projects such as the Bing search engine and the Cortana smart assistant. Before joining GPT4DRONES, he worked as a data scientist at Microsoft, responsible for data mining and analysis. He used to be a data scientist at Microsoft and was mainly responsible for the data collection and analysis of GPT4DRONES.

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**GPT4DRONES**

Development Route

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## Development Route

### **2022-2023, iterative version, complete seed round financing**

- Continuously improve the GPT4DRONES App over three iterations, fostering an active community and implementing impactful marketing strategies to reach 2 million core users. Introduce 16 quantitative trading indicators, with daily profit potential ranging from 2% to 10%.
- Launch AI lending and attract institutional investments for stable investment growth
- Obtain a \$20 million seed round investment to strengthen development initiatives.

### **2023-2024, establish a good ecological cycle and complete the strategic round of investment**


- Develop an AI service platform with GPT-4 tech, integrating with leading exchanges such as OKX, Binance and others. Aiming to achieve 5M registered users.
- Expand AI quantitative trading system to institutions, offer high-volume professional trading services. Forge partnerships for AI automation.
- Localize and expand deposits with 6 banks, targeting 10%-25% annual return increase.
- Provide 50 strategy tools on the platform, enabling users to achieve 5%-15% daily average returns.
- -Successfully secure \$70M in Pre-A funding, establish 5 major operating centers in global financial hubs, including New York, London, Seoul, Singapore, and Kuala Lumpur.

## **2024-2025, launch a multilingual trading terminal, complete A and B rounds of investment**

- ● Introduce 7 language versions, including Hindi and Russian, and integrate 125 specialized tools for 10x returns.
- Establish "AI Financial Industry Alliance" for global partnerships in the digital financial market.
- Foster strategic collaborations with 25 premier global banks managing assets exceeding \$5 billion, positioning GPT4DRONES as an industry frontrunner and expanding revenue opportunities.
- Pioneering the industry, developing the GPT4DRONES AI Super Chain, the world's first AI-powered public chain. Deeply integrate AI technology into the chain's underlying layer to enable AI governance, AI storage, and other AI applications, unleashing the full potential of AI computing power and laying the foundation for the advancement of the AI industry.
- Successfully secure investments for GPT4DRONES Series C.

## **8.4 2024-2026, expand the GPT4DRONES ecosystem and start the listing work**

- Launch AI cloud platform for automated trading across financial markets.
- Expand into Europe, reaching over 15 million registered users with Spanish and Portuguese versions.
- Initiate NASDAQ listing process, a milestone for GPT4DRONES's growth and recognition..



## 2026-2027, complete the US stock market listing, and explore more social welfare values

- Successfully list on the U.S. stock market, gaining global recognition.
- Expand into 20 emerging markets, partnering with 50 local financial institutions.
- Establish operational headquarters in 10 major financial centers worldwide.
- Leverage AI to drive societal impact in education, healthcare, and the environment.
- Collaborate with governments and institutions to ensure compliance and industry progress..

The background features a dark teal color with various decorative elements. In the top left and bottom left corners, there are intricate circuit board patterns in a lighter teal color. On the right side, there is a large, faint, stylized graphic of a brain or neural network. In the center, the text 'GPT' is displayed in a large, light teal, serif font. Below it, the word 'Disclaimer' is written in a smaller, white, sans-serif font. At the bottom center, a large, glowing teal number '9' is prominently displayed, set against a dark circular gradient background.

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Disclaimer

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## 9 Disclaimer

Please read this disclaimer section carefully.

If you are in any doubt as to the action you should take, you should consult your legal, financial, tax or other professional advisors.

The information stated in this white paper may not be exhaustive and does not imply any element of a contractual relationship. We make every effort to ensure that the materials in this white paper are accurate and up-to-date, such as information on products, services, token distribution, roadmaps, etc. In addition, material information changes made without notice do not in any way constitute an opinion on participation in this project.


This white paper does not constitute any investment advice, investment intention or solicitation of investment in the form of securities. This white paper does not constitute or be interpreted as providing any buying or selling behavior, or any invitation to buy or sell any form of securities, nor is it any form of contract or commitment.

The project team made it clear that relevant interested users clearly understand the risks of GPT4DRONES and GPTD. Once investors participate in the investment, they understand and accept the risks of the project, and are willing to personally bear all corresponding results or consequences.

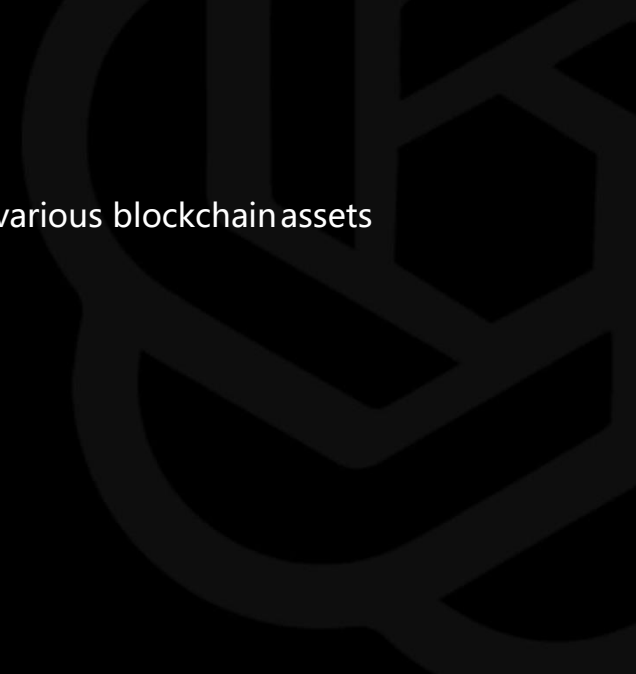
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1. Economic losses caused by user trading operations;
2. Any errors, negligence or inaccurate information arising from personal understanding;



3. Losses caused by personal transactions of various blockchain assets and any resulting behavior.





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