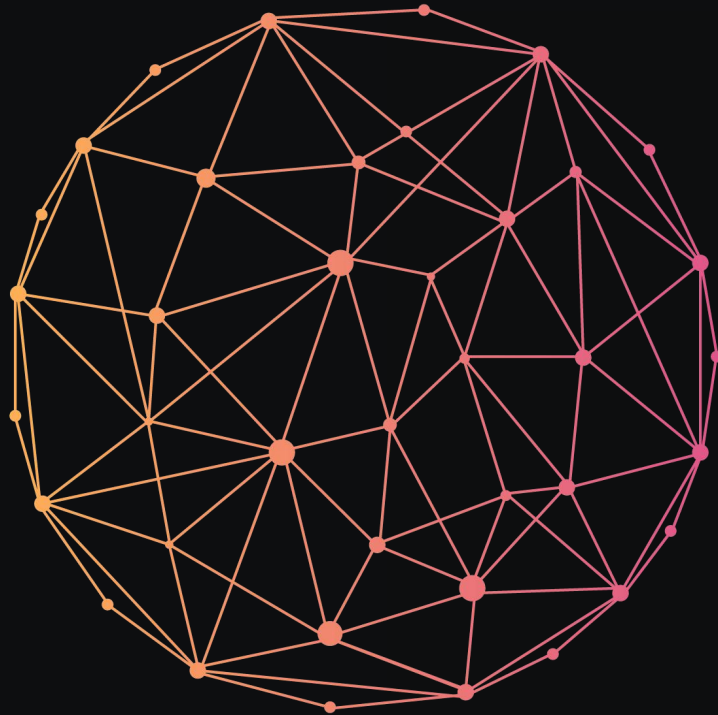# AIGBL

Launch GBL token contract based on Ethereum erc20

White Paper

CONTENTS

Chapter One

Background of the project

1.1 Development of Blockchain Technology

Blockchain refers to a way to securely secure data in a shared database. Its revolutionary breakthrough is to build a system that does not require trust between people, but can fully control their own funds, is easy to verify, easy to audit, and has no central authority.

Every few minutes, the network adds a permanent block of information to the blockchain and hashes it firmly linked to the previous block.

Blockchain welcomes everyone in the world to participate, become a maintainer of its network and verify other maintainers to ensure they are honest. When someone attempts to spread and record information on the blockchain, network maintainers will group the information into blocks and use cryptography tools to make the data immutable and permanently added to the blockchain.
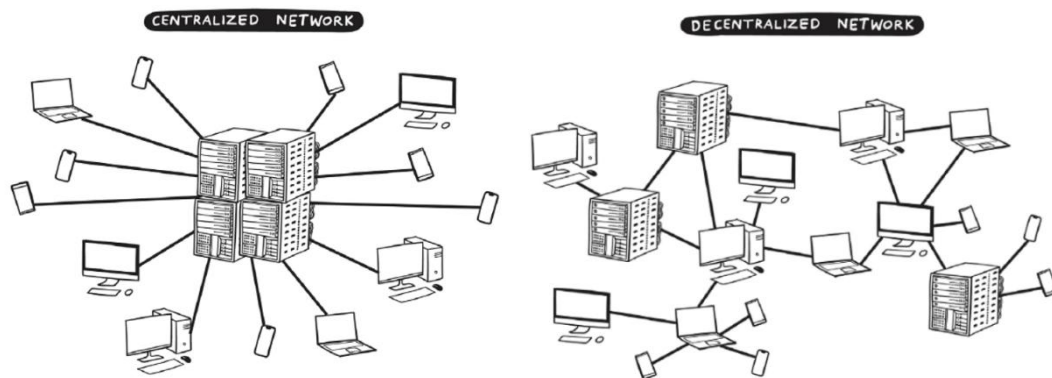
In a traditional centralized network (as shown in the first diagram), all users must connect to a specific device (server group) that is set up and maintained by a third party. In a decentralized network, users are interconnected and form their own networks. PAY uses the latter: no special centralized server, and a highly flexible peer-to-peer network composed entirely of volunteers to share information.

Once data is recorded on the blockchain, it cannot be deleted, transferred or changed. Records cannot be tampered with, and every participant on the network will hold corresponding backups for verification purposes. Most blockchains use sophisticated mining models to incentivize nodes to participate and ensure that information is honestly recorded and synchronized. These types of decentralization are extremely robust and cannot be maliciously attacked or manipulated by any

single institution or centralized server.

These decentralized systems are also trustless because participants in the network maintain and verify their own backed-up ledgers without relying on third parties. Such a global, non-tamperable accounting system is particularly suitable for recording financial data. The first modern distributed blockchain, as the underlying mechanism of Bitcoin, debuted in front of the world in 2008.

On the last day of October 2008, an individual/organization under the pseudonym Satoshi Nakamoto published a white paper "Bitcoin: A Peer-to-Peer Electronic Cash System." In this document that would change the world in the future, the author explains the design framework of the open source decentralized cryptocurrency called [Bitcoin] and the revolutionary technology called [Blockchain] on which it is based.

To successfully complete transfers in the traditional banking system, the system needs to initiate several transactions, multiple ledgers and trust in multiple banks. In the picture below, Maria transfers 10.5 Bitcoins to George from Maria's address 1BuUygisXY to George's address 1eK5FSywkp through the blockchain system. For convenience, this diagram shows a Bitcoin transfer scenario. In fact, almost all cryptocurrencies use this type of public ledger and experience its pros and cons.
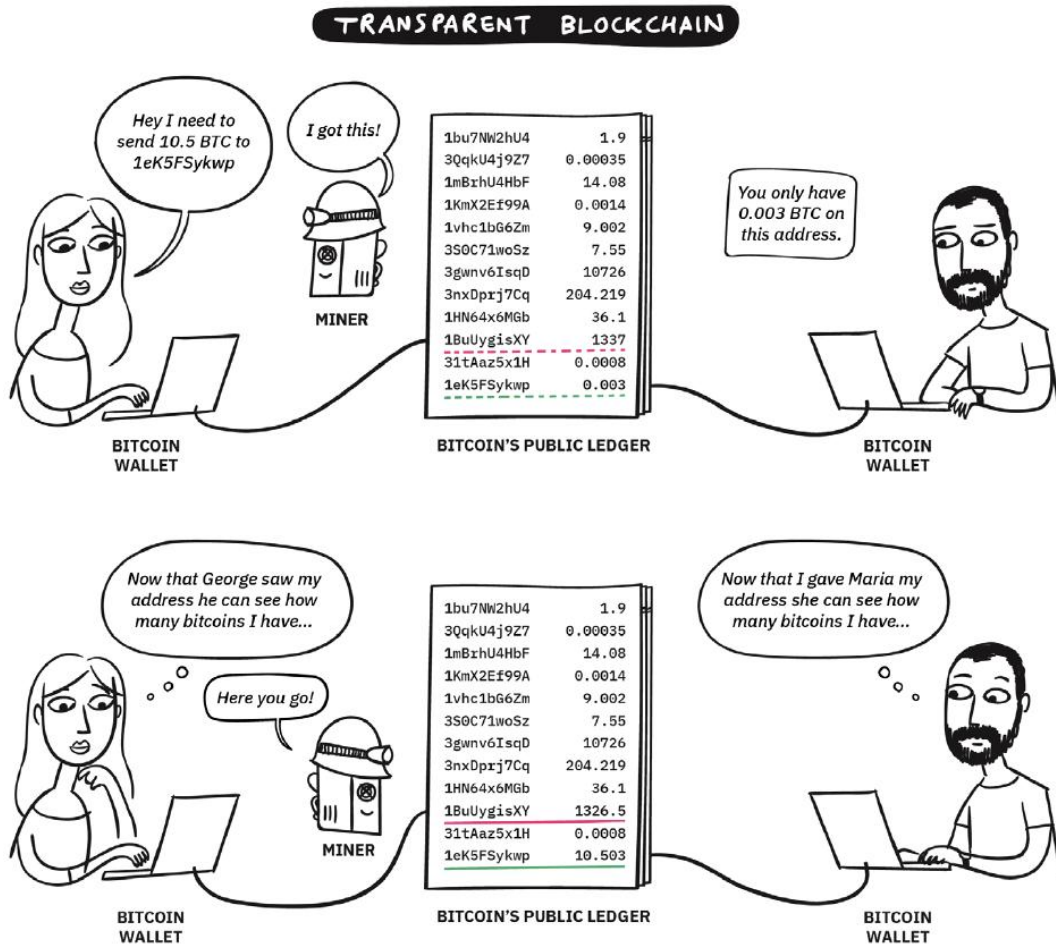
Mariz makes a cryptocurrency transfer (e.g. Bitcoin) to George via an open public blockchain.

Blockchain has several obvious advantages:

- Simple (& fast): The process of transferring money from Maria to George only requires updating a ledger, and the steps are simple and can be completed in seconds or minutes (confirmation time of the transaction). Bank and wire transfers often take days or even weeks.

- No third-party risk: Maria and George store their funds in a system that uses cryptography as a security guarantee and does not require maintenance by others, rather than a trusted third party.

- Pseudonyms: Unlike traditional banks, cryptocurrency ledgers never record your real names on accounts, such as "Maria" and "George." No personal information is required to create cryptocurrency money. Geroge used a pseudonym (1eK5FSywkp) to receive remittances from Maria (1BuUygisXY).

The revolution in cryptocurrencies such as Bitcoin is still ongoing. In a decentralized network, anyone can store and transfer funds according to their own will. Previously, large-scale fund storage would have been a problem without trustworthy banks and credit institutions. Likewise, our transfers also rely on third-party payment instruments such as checks, wire transfers, and debit/credit cards.

For the first time, we can freely exercise our financial rights without the permission of banks and other external institutions. This is all thanks to cryptocurrencies. In the near future, any device (computer, mobile phone, tablet) can serve as a full-featured cryptocurrency wallet to receive, store and send funds. Creating a wallet does not require any form of identity information, handling fees, or authorization, because the system identifies users through their address (a "random" string) rather than relying on identity information such as name, address, and mobile phone number.
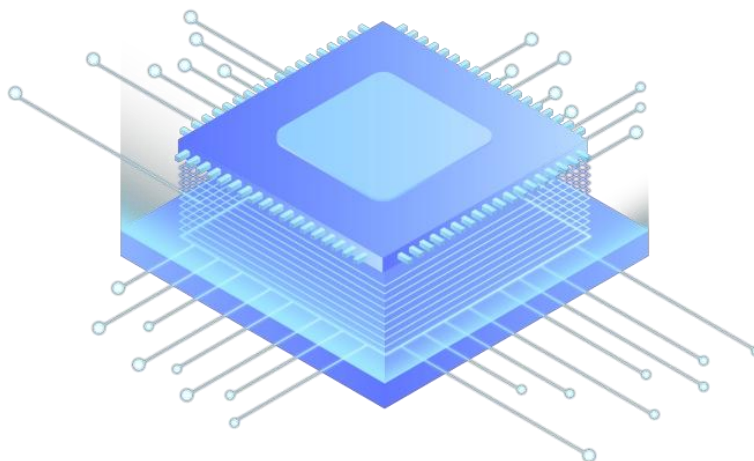
1.2 The continued boom of the DeFi market

With the support of blockchain technology, the financial industry has more innovative possibilities. Among them, DeFi is a more typical model. DeFi, the full name of Decentralized Finance, refers to financial behaviors and services based on digital currency or Token. For example, token-based lending services, exchanges, payments, insurance, investments and even financial management services. Among them, DeFi services and products based on Ethereum are the most prosperous at the current stage. DeFi in a broad sense refers to financial businesses and services built around decentralized technology, including two meanings: businesses and services are completely built based on decentralized technology. For example,

mortgages, transactions, loans, etc. based on blockchain decentralized technology and smart contracts. The service itself is not based on decentralized technology, but the objects of the service are digital assets and other objects based on decentralized technology. For example, digital currency exchanges, etc.

For the industry, DeFi is a very important direction. Because the decentralized operating model can greatly reduce operating costs. And in the process of operation, it can eliminate the information asymmetry existing in the industry and make the entire industry open and transparent. Although at the beginning, the lending assets in the DeFi field were only digital currencies and stablecoins, with the development of technology, they are extending to more possible value spaces. The differences between DeFi and traditional finance are as shown in the following table:

2020 is a hot year for decentralized finance (DeFi). Currently, DeFi has many application directions, including decentralized exchanges, lending platforms, stable coins, etc. Currently, hundreds of DeFi projects have appeared in the market around these application directions. Compound, the leading DeFi lending company, used COMP tokens to attract users to participate in deposits and loans. Within a month, the amount of funds deposited soared 10 times, and the COMP valuation was high, kicking off the DeFi carnival. Since then, new concepts in DeFi have emerged one after another. Lending platforms, decentralized exchanges, decentralized autonomous organizations, stable coins, and oracles have continued to emerge. Excellent DeFi projects have used token liquidity mining to achieve user cold starts.

This makes DeFi one of the fastest-growing fields in the blockchain ecosystem. In 2022, the total locked-up volume of DeFi will exceed US$100 billion. DeFi uses smart contracts to allow digital assets to rebuild the traditional financial order in the blockchain network and create synergistic effects with each other. Typical applications include quantification, market making, lending, insurance, swap, liquidity mining, derivatives, machine gun pools, clearing and settlement, etc. using digital assets.

DeFi is developing at an extremely fast pace. In 2020, we witnessed a turbulent DeFi. At that time, DeFi adopted the liquidity mining model, which detonated the entire encryption field. However, with the exploration of the liquidity mining model, people gradually discovered the disadvantages of liquidity mining. This short-term incentive model will lead some liquidity providers to over-exploit projects and protocols, and even accelerate the demise of projects. In this model, the long-term

interests of liquidity providers and protocols are not consistent, and the existence of this contradiction has caused DeFi to be in a state of slow growth. Of course, this is only one of the reasons.

In this context, the concept of DeFi 2.0 was born. DeFi 2.0 changes the relationship between protocols and liquidity providers through new mechanisms, and ultimately reconstructs the liquidity service itself. The reason why DeFi can become DeFi is that in addition to the underlying public chain infrastructure such as Ethereum, the most important thing is the provision of liquidity. This is the premise for DeFi to operate and the blood that supports its life. This is also an important reason why in the summer of 2020, after Compound launched liquidity mining, it detonated the entire market. As the practice unfolded for more than a year, people saw the disadvantages of liquidity mining. The short-term incentive model will only encourage short-term behavior of liquidity providers. When additional tokens are issued into the hands of liquidity providers, in many cases, the liquidity providers do not form a long-term mutually beneficial cooperative relationship with the protocol. Liquidity providers can retreat at any time, leaving the protocol in tatters. To solve this problem, the concept of POL (Protocol Owned Liquidity) emerged, which is protocol-controlled liquidity. We call this "liquidity capture." There are even "liquidity layer" services that focus on providing a liquidity infrastructure layer for DeFi projects.

Since there are a large number of DAO to DAO combinations in DeFi, there is a greater risk of composability. For example, if an agreement like Abracadabra has a problem with its mortgage asset agreement, it will also have problems itself. In addition, DeFi 2.0 cannot guarantee that there will be no rug pull. Before it forms its own sustainable liquidity, the risk will be uncontrollable.

Overall, DeFi 1.0 shaped the pillars of DeFi: AAVE, COMP, UNI, and DeFi 2.0 is plagued by fraud and revenue Ponzi schemes. The market is constantly improving, and DeFi 3.0 was born.

DeFi 3.0 has multiple value attributes:

- Multi-chain

- Capital efficiency

- Incentivize redesign

- Product Liquidity Flywheel

The characteristics of DeFi 3.0 make it gradually close to the essence of blockchain, the creation, circulation and feedback of value. On the one hand, it provides Farming as a basic service to users, opening the door to allow all types of assets to enter the agreement to earn interest, and at the same time, they can obtain a "leverage enhancement" for free; on the other hand, it links the three-party agreement to help the cooperative ecological optimization tokenomics , to help users achieve value growth.

The advent of the WGBL3 era has put forward new requirements for the richness, stability and growth of assets. The "core assets" in the market need to be more accessible, transparent and programmable. From a technical perspective, most cryptoassets have these capabilities. However, from the perspective of asset volatility, the performance of most crypto assets is relatively extreme: digital assets linked to legal currency are too stable, and crypto-native assets fluctuate too violently. In this case, investors are forced to adopt a single "barbell strategy", that is, investing in the two extremes of high-risk assets or stable assets, which is obviously not in line with the asset requirements of a long-term benign economy. If assets that are too stable are defined as "Flat" assets and assets that are too volatile are defined as "Sharp" assets, then what DeFi 3.0's Protocol needs to do is to use "Flat" The "duo" of assets and "Sharp" assets synthesizes "neutral assets" with moderate risks and achieves an "asset spectrum" formed by even distribution of assets. This is the state that WGBL3 economy is expected to achieve.

DeFi 3.0 is leading the market and injecting new impetus into the development of the industry.
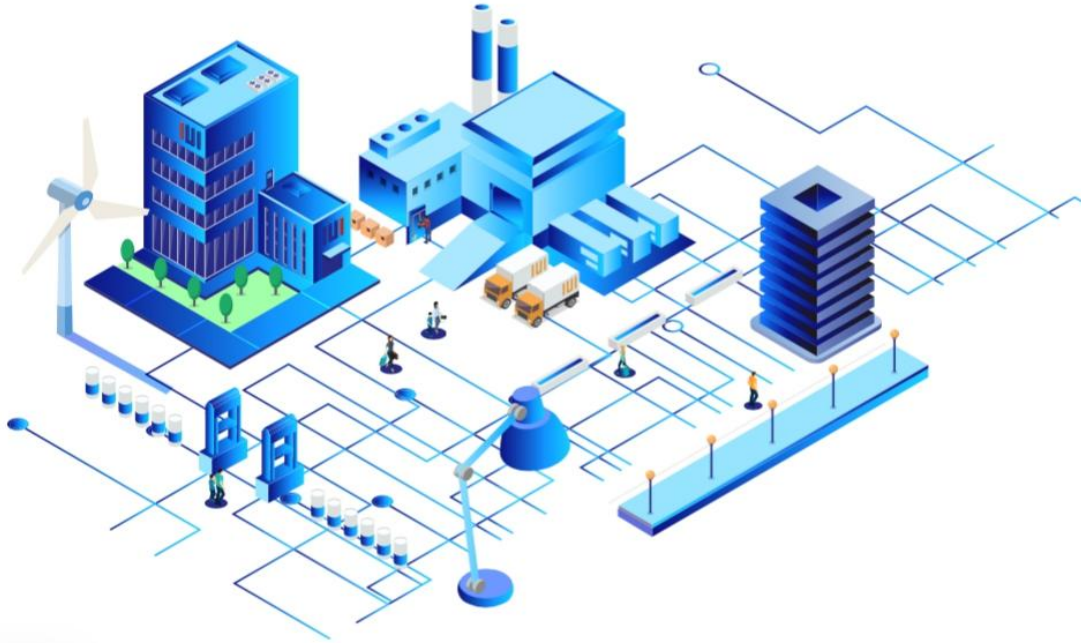
1.3 The growth background of AI artificial intelligence

Artificial Intelligence (AI) is a new technical science that studies and develops theories, methods, technologies and application systems for simulating, seeing and expanding human intelligence. Artificial Intelligence is a branch of computer science that attempts to understand the nature of intelligence and produce a new intelligent machine that can respond in a similar way to humans. Research in this field includes robotics, language recognition, and image recognition. , natural language processing and expert systems, etc. Since the birth of artificial intelligence, the theory and technology have become increasingly mature, and the application fields have also continued to expand. It can be imagined that the technological products brought by artificial intelligence in the future will be the "containers" of human wisdom. Artificial intelligence can simulate the information process of human consciousness and thinking. Artificial intelligence is not human intelligence, but it can think like humans and may even exceed human intelligence.

A new round of scientific and technological revolution and industrial transformation is emerging. The formation of big data, innovation of theoretical algorithms, improvement of computing power and evolution of network facilities have driven the development of artificial intelligence into a new stage. Intelligence has become an important direction for technological and industrial development.

According to Accenture research, " By 2035, the profits of businesses that successfully apply artificial intelligence (AI) will increase by 38% on average. The introduction of artificial intelligence may bring an additional 14 trillion yuan in total revenue to 16 industries in 12 countries. Value Added (GVA)."

As a new production factor, AI can promote economic growth in at least three important aspects.

- First, it can create a virtual workforce——what we call intelligent automation.

- Second, the skills and capabilities of existing labor and physical capital can be supplemented and enhanced.

- Third, like other previous technologies, AI can drive economic innovation. Over time, this will become a catalyst for widespread structural transformation, as countries that develop the use of AI will not only innovate in their methods, but also be ingenious and open up new fields.

By optimizing intelligently automated processes, managing human and physical capital, and driving new innovations, AI can deliver massive, lasting profitability and economic growth.

Although the concept of artificial intelligence is very popular, there are many problems that need to be solved in the current development situation:

For technology developers, the barriers to data acquisition are high: on the one hand, data sources are too concentrated, and big data is controlled by a few monopolistic companies; on the other hand, because privacy is difficult to guarantee, many valuable private data are difficult to obtain. The threshold for obtaining data is too high, hindering the evolution of algorithms.

For data owners, it is difficult to maximize the value of data due to unclear data ownership. Especially for individuals, part of the data generated by independent behaviors is controlled by Internet companies, who decide how to use the data; other parts lack circulation channels, resulting in the value being completely buried.

It is far from enough for the development of artificial intelligence to be driven only by a few leading monopolistic companies. Historical experience has proven the necessity of socialized division of labor and the infinite potential of the market

economy. The development of an industry must introduce more participants and improve the overall development level through full competition.

1.4 Proposition of full name basic income

With the continuous advancement of science and technology, artificial intelligence (AI) has gradually become an important force in promoting social development. However, the popularity and application of this technology has also triggered concerns about the employment crisis. Many jobs in traditional industries are at risk of being replaced by automation. At the same time, the global economic structure is also undergoing profound changes, leading to a widening gap between rich and poor and increased social instability. Against this background, the full name Basic Income (UBI) was proposed as a new social welfare policy.

The concept of UBI is based on a simple principle: regardless of whether an individual is employed or not, he or she is entitled to a certain basic income to ensure his or her basic living needs. This concept emphasizes the universality and unconditional nature of basic income, that is, all citizens are eligible to receive this income without going through any review or meeting specific conditions.

How UBI can respond to the employment crisis caused by AI:

• Protecting people's lives: When AI replaces some traditional jobs, it may cause some people to lose their jobs. UBI can ensure that these people receive a certain amount of income, protect their basic lives, and reduce socioeconomic pressure.

• Encourage innovation and entrepreneurship: With UBI as a life guarantee, individuals can focus more on innovation and entrepreneurship, explore new business opportunities and fields, and promote innovative development of society.

• Relieve employment pressure: By providing a certain income guarantee, UBI can help alleviate the employment pressure caused by AI, allowing individuals to have more time and space to adapt and master new skills, and better cope with employment challenges in the AI era. .

• Promote social equity: The implementation of UBI can be seen as a basic guarantee for all citizens, regardless of whether they are employed or not. This kind of fairness helps reduce the gap between the rich and the poor in society and promotes social harmony and stability.

• Guide social concepts: By implementing UBI, we can guide society to change its concept of labor value. People no longer rely solely on employment to obtain income, but can gain social recognition and life security through the realization of self-worth.

The full name Basic Income (UBI) is a new social welfare policy designed to deal with the employment crisis caused by AI. It not only guarantees people's basic life, but also encourages innovation and entrepreneurship, relieves employment pressure, promotes social equity, and guides changes in social concepts.

1.5 Opportunities for AIGBL

With the rapid development of artificial intelligence (AI) technology, society is entering a new era of technological revolution. AI technology is changing the way we work, live, and even think. However, such changes also bring challenges, not least the dramatic changes in the job market. Many traditional occupations face the risk of being replaced by AI, which may lead to large-scale unemployment, leading to social instability and economic distress.

In order to solve this problem, the American AI Research Center teamed up with the Silicon Valley Blockchain Laboratory to advocate the social policy concept of Universal Basic Income (UBI). This is a package that aims to combat the employment crisis caused by AI through a universal and unconditional basic income. This kind of income is not in the form of traditional wages, but in the form of global token GBL (Global coin).

GBL Token is a revolutionary concept that converts wealth generated by AI into a new type of currency that is regularly distributed to everyone around the world. In this way, people can protect their basic living needs even in an AI-dominated future. GBL tokens are not only an economic compensation, but also a manifestation of social fairness. It allows everyone to share in the dividends brought by AI, regardless of whether their jobs are replaced by AI.

The launch of GBL token is not only an adaptation to modern society, but also an investment in the future. In this way, the stable development of society can be ensured and the social burden caused by employment fluctuations caused by AI can be reduced. GBL tokens not only provide a kind of economic security, but also inspire people's hope and enthusiasm for the future.

The solution of Universal Basic Income (UBI) combined with GBL tokens is a cross-border innovation and a global basic income practice led by AI. This will be an important step for society to move towards a more just and equal future. This is not only an adaptation to technological development, but also a contribution to human welfare. In this era of increasingly mature AI and blockchain technology, GBL tokens will become an important bridge connecting technology and society, economy and humanity.

Let us jointly witness the help of GBL tokens to mankind in the AI era, and jointly create a more ambitious, just, equal, and inclusive future in the digital era!

Chapter Two

AIGBL Project Overview

2.1 Introduction to AIGBL

AIGBL, relying on advanced blockchain technology, is jointly initiated by the AIGBL DAO community, the American AI Research Center and the Silicon Valley Blockchain Laboratory. Its core goal is to provide users with regular free distribution of income generated through AI in the form of GBL tokens, while promoting the development and popularization of AI.

The UBI (Universal Basic Income) social policy concept was proposed by the American AI Research Center and the Silicon Valley Blockchain Laboratory based on the current development status of global artificial intelligence. This is a package that aims to combat the employment crisis caused by AI through a universal and unconditional basic income. This kind of income is not in the form of traditional wages, but in the form of global token GBL (Global coin).

The solution of Universal Basic Income (UBI) combined with GBL tokens is a cross-border innovation and a global basic income practice led by AI. This will be an important step for society to move towards a more just and equal future. This is not only an adaptation to technological development, but also a contribution to human welfare. In this era of increasingly mature AI and blockchain technology, GBL tokens will become an important bridge connecting technology and society, economy and humanity. As long as humans want to obtain basic income, they can join the UBI plan by downloading the AIGBL APP anywhere and at any time.

Therefore, the core features of the AIGBL project are:

- Transparency and security based on blockchain: Using the characteristics of blockchain technology, AIGBL ensures the transparency and security of all transactions, so that the GBL token income obtained by users is traceable and cannot be tampered with.

- AI-driven income: Users participate in AI production activities through the AIGBL platform, and the income earned will be distributed for free on a regular basis in the form of GBL tokens. This makes it easy for users to get real returns from AI technology.

- Full participation in AI development: In addition to direct benefits, users also have the opportunity to participate in the development of AI and share AI output value, that is, the wealth produced by AI instead of humans. This

design makes users not only the beneficiaries of AI technology, but also the promoters of its development.

- Global access: No matter where users are, as long as they are willing to receive basic income, they can join the UBI plan by downloading the AIGBL APP. This breaks geographical restrictions and gives more people the opportunity to enjoy the benefits brought by technological progress.

- Authoritative organization certification: When registering for the AIGBL program, real-name authentication is required. This measure ensures the authenticity and security of participants and prevents any form of fraud.

- Solve the unemployment problem and promote social justice: Through this project, those who have lost their jobs due to the development of AI technology have the opportunity to regain income, thus easing social conflicts to a certain extent and promoting social justice and progress.

In terms of team, the AIGBL team is composed of the best experts in the industry from various fields such as computers, data storage, information security, communications, mathematics, financial metaverse, DeFi, WGBL development and high-frequency algorithmic trading, and is based on the underlying architecture of the blockchain. He has market and practical experience in distributed databases, cryptographic algorithms, and application layer construction. The team not only has strong technical capabilities, but also has excellent scientific research capabilities, and has achieved outstanding research results in multiple fields such as distributed storage, ledgers, and cryptography.

In terms of technology, the AIGBL underlying system can support high-load real-time data transmission and read the information and data of blockchain network participants from preset rules. The underlying architecture allows the platform to update data in milliseconds in different environments, including environments outside of the blockchain. The AIGBL system can collect thousands of data of less than 100 bytes per batch. Since each batch of data processed may contain different data from multiple environments, the amount of data the platform needs to process every day can be measured in terabytes. In order to improve computing power, AIGBL also created a customized software that integrates blockchain and distributed storage systems.

In the user market, as a tool-based DAO, the encryption market segment that

AIGBL focuses on has huge demand, and it impacts the traditional fixed investment method with its two characteristics of fairness and transparency. By transferring functions such as investors, tool demanders, fund management, LP and GP roles to DAO members, that is, DAO is owned and managed by its members, the decentralization and democratization of digital currency market prediction, trading, and investment are achieved. This solves the current problems in the industry.

The AIGBL project is not only a product of technological innovation, but also a project with far-reaching social significance. It aims to balance technology and human needs and achieve harmonious symbiosis between technology and society. Through AIGBL, we will see a more equitable and inclusive future in which technology and humanity coexist harmoniously and everyone can benefit from technological
development.
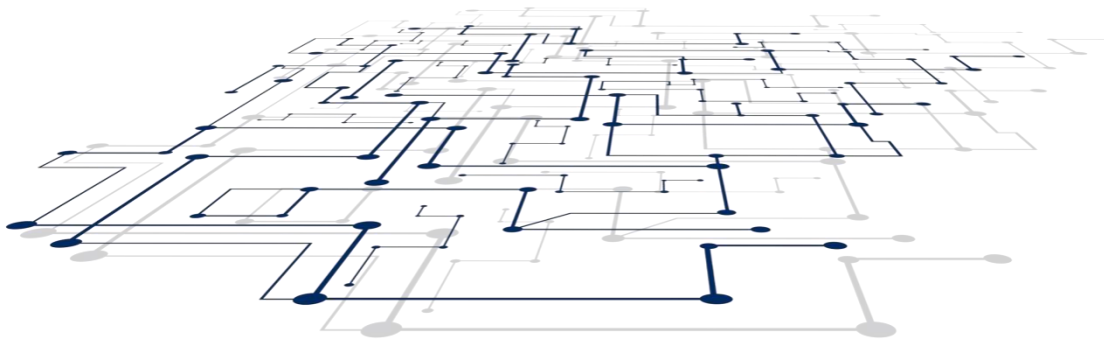
2.2 pursuit of ecological value

The value pursuit of AIGBL ecology is mainly reflected in the following aspects:

- Technology-driven innovation value: The AIGBL project uses the combination of blockchain technology and AI to create a new economic model. This model not only improves production efficiency, but also brings innovation to the traditional economic model and injects new vitality into the development of the entire society.

- Fair and transparent economic system: Based on the characteristics of blockchain, the AIGBL project strives to create a fair and transparent economic system. Participants can clearly track their income sources and ensure that their rights and interests are not infringed. At the same time, the

entire economic system is more equitable, avoiding the concentration of information and power, allowing everyone to participate and benefit equally.

- Privacy protection of user data: In the AIGBL project, users' personal information and data security are highly valued. Blockchain technology provides powerful data encryption and protection functions to ensure that user data is not illegally obtained and abused. This provides users with a safe and trustworthy environment and protects personal privacy rights.

- Promote the sustainable development of AI: The AIGBL project not only focuses on short-term gains, but also focuses on the long-term development of AI. By providing decentralized application scenarios and data support for AI, the project helps promote the advancement of AI technology and further liberate and develop productivity. This lays a solid foundation for the long-term development of society.

- Solving social employment problems: With the popularization of AI technology, many traditional jobs are at risk of disappearing. The AIGBL project aims to provide new employment opportunities and sources of income for unemployed people, help them adapt to technological changes, reduce social conflicts, and achieve social harmony and stability.

- Cross-field cooperation and collaborative development: The AIGBL project brings together the power of blockchain, AI and community to promote exchanges and cooperation between different fields. Through this kind of cross-field cooperation, more business opportunities can be created, technological innovation can be promoted, and the collaborative development of the industry can be promoted.

- Promote the rule of law and ethical construction: While pursuing economic benefits, the AIGBL project also focuses on the rule of law and ethical construction. By establishing reasonable regulations and ethical norms, we ensure the sustainable development of the project and avoid the abuse of technology and the occurrence of social and ethical issues.

- Building a sustainable ecosystem: The AIGBL project is not only a long-term project, but also a grand plan aimed at building a sustainable ecosystem. By continuously improving and optimizing the ecosystem, AIGBL aims to create a win-win and sustainable development future for all parties.

AIGBL will jointly create a more ambitious, just, equal and inclusive future in the digital era under the common witness of people!

2.3 System design principles

In its insistence on decentralization, AIGBL strictly follows the following principles:

1) trust principle

Two nodes in AIGBL can trust each other and can directly exchange value. The current Internet system itself cannot conduct value exchange, but value transfer through financial intermediaries greatly reduces the efficiency of the entire value exchange, and it is impossible to avoid and determine whether the intermediary has committed evil acts. AIGBL has established a consensus system through cryptography. It verifies the uniqueness of value by adding timestamps to the data. It ensures the uniqueness of value through the uniqueness of time and avoids the problem of double payment in the system.

2) Distribution principle

AIGBL has established a point-to-point network to form a truly equal collaboration network. There is no longer a centralized system and no single point of control. The damage of a certain node cannot affect the normal operation of the entire system, and no participant can shut down the system. . Through a distributed network, a property rights database is established on thousands of computers around the world.

3) motivational principles

AIGBL brings together all stakeholders involved in system maintenance and provides sufficient value rewards to these system participants and maintainers, so that what you put in will be rewarded.

4) security principles

The security measures embedded in AIGBL will not have a single point of failure. Each node can guarantee that there will be no data leakage, not only ensuring confidentiality, but also ensuring the authenticity and non-repudiation of activities.

Everyone who enters the blockchain network must use encryption technology. If information is leaked, it will be caused by the reckless operation of the parties and has nothing to do with the security of the system.

5) Privacy Protection Principles

Driven by AIGBL's core technology, blockchain digital currency issuers can control their own data and decide independently what identity information of the project can be disclosed to others when and where. Blockchain can prevent the risk of individuals being monitored, and third parties cannot determine to whom a piece of data belongs in the real world. And the data will only be disclosed to third parties with your consent, ensuring that while your data brings value to others, you can also receive compensation.

6) rights protection principle

AIGBL can digitize and code rules or laws by writing smart contracts through code. Blockchain digital currency issuers or users, institutional investors, etc. use their own private keys to sign the contract, and the contract will only be executed if the corresponding conditions are met. Content. Through smart contracts, the entire rights target determination, execution process, and reward mechanism can reach consensus and achieve complete transparency.

7) inclusive principle

Everyone is equal in AIGBL. The best state of economic development is to be able to take into account everyone/projects and lower the threshold for participants. The rights of every node are equal, and any person/project can participate in the construction of the entire network without providing proof of real identity, credit, property, etc. End social hegemony, economic hegemony, eliminate gender discrimination and racial discrimination, and promote more democratic and equal development of the entire society.
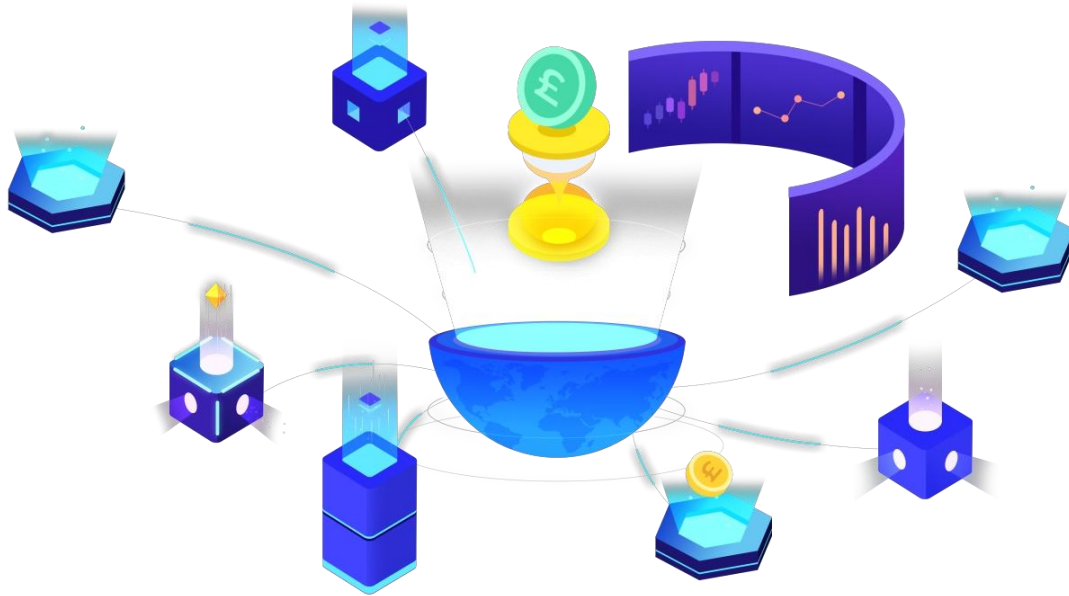
2.4 How the project works

AIGBL will operate the project in a DAO manner - AIGBL DAO.

AIGBL DAO is committed to becoming the world's largest decentralized autonomous community organization, providing a decentralized community ecosystem for global users, and enabling more communities through innovative governance structures, token incentives supported by multi-models and other applications Participants share the DAO development dividends and obtain maximum returns on digital investment value.

The bottom layer of AIGBL DAO is designed based on the modular blockchain concept to achieve decentralization. Through blockchain + modularization, it deepens the principle of DAO autonomy and realizes the leap of DAO from 0 to 1, as well as the extension expansion from 1 to infinity. In addition, the AIGBL DAO team believes that trust is the basis of social order. Without trust, no social relationship can last long. Trust enhances the centripetal force of social members, reduces the cost of social operation and improves efficiency, and is also a basic factor in stabilizing social relations. Therefore, the core value of AIGBL DAO is to bring decentralized public trust and liquidity support to the investment market by introducing the DAO governance model, so as to realize the sharing, co-construction, co-governance and sharing of market value:

- From the perspective of "people" and based on the characteristics of

co-construction, public accounting

- From the perspective of "data", based on shared characteristics, the ledger is made public

- From the perspective of "code" and based on the characteristics of co-governance, governance is public

- From the perspective of "value", based on shared characteristics, encourage publicization

By integrating "people, data, code, and value", AIGBL DAO will bring value liquidity to the entire economic system, and increase the value of user participation through the development of community outreach and the selection of community online projects. In addition, we also hope that users will own and develop assets in AIGBL DAO because we believe that over time, the virtual economy will be more valuable than the real economy. AIGBL DAO will:

- Establish a value closed loop of global community autonomy, and they collect rewards in the ecological model through competition;

- Have channels to earn income in AIGBL DAO by buying, renting or selling resources (including digital and physical resources);

- Coordinate the research and development of the ecology in DAO and obtain benefits by maintaining competitiveness in community-related scenarios;

- Allow community users to participate in governance through proposals and voting, and realize value creation during DAO participation.

AIGBL DAO will build an autonomous decentralized comprehensive ecosystem for global community users, and rely on the powerful underlying blockchain application technology and the community's rich product functions to maximize decentralization's application value.

In the future, AIGBL DAO will truly use decentralization to empower the development of the entire industry, help the industry solve problems such as difficulty in value circulation and irregular incentive mechanisms, and realize value empowerment on the chain! At the same time, relying on the powerful underlying

application technology of the blockchain and the rich product functions of the community, decentralization can exert its greatest application value, and thereby establish a fair and open comprehensive consensus system and GBL token economic system.

.
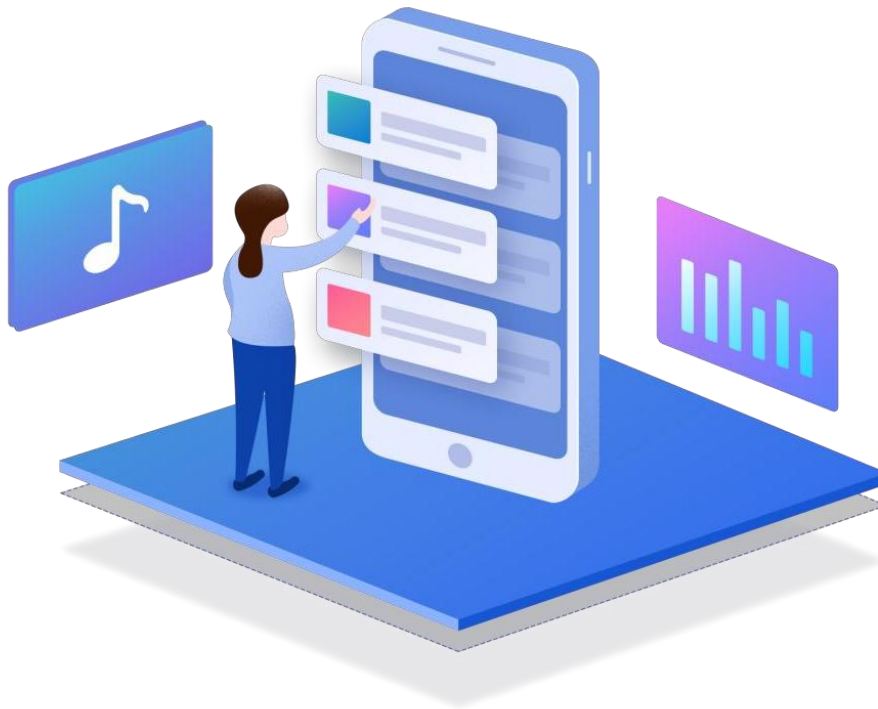
2.5 Platform resource advantages

Thanks to the advantages of sustainable development and innovative technology, extensive commercial applications, and refined governance, with the support of the AIGBL DAO community, AIGBL is competitive in the following aspects:

- Technical team: AIGBL has very mature and strong technical support, and has accumulated rich industry and technical experience in blockchain, finance, DeFi, trading, mining, WGBL3 protocol, community autonomy and other fields. Industry-leading breakthroughs have been made in the development and application of underlying technology. The AIGBL DAO community perfectly brings together senior people from multiple industries, with many years of practical operating experience and deep insights into industry development.

- Industry resources: AIGBL has signed strategic cooperation agreements with top projects in the target industries to provide strong support for entering the target scenarios, so as to truly promote the actual implementation of AIGBL applications.

- Liquidity support: AIGBL has abundant resources and numerous partners in the industry, and has reached cooperation with a number of international mines, active communities, investment funds, and professional investment institutions to provide sufficient liquidity for the ecosystem. AIGBL has a professional team to connect with the market depth of the world's leading exchanges, provide total and fragmented liquidity solutions, support high-frequency quantitative trading, and adapt to the API interface set for rapid programmatic trading. Introduce the market maker system.

- Powerful trading tools: As the market matures, trading needs become more complex. In the past, simple buying and selling trading functions have been unable to satisfy the appetite of professional investors. AIGBL relies on its senior investment experience and combined with artificial intelligence deep learning technology to target Professional investors provide a richer tool suite, including automatic fixed investment tools, quantitative trading tools, strategies, etc., while also allowing ordinary investors to easily access professional tools, lowering the threshold for professional investment, and making blockchain investment more popular. .

- Business governance: Unlike general projects, AIGBL has a clear and explicit strategic plan for the target industry, and uses an autonomous community model to continue to empower free, fair and high-value ecological prosperity. AIGBL is more focused and professional by leveraging the distributed decentralization, non-tampering, encrypted security and point-to-point value transmission characteristics of blockchain technology to penetrate target industries and quickly gain market share.

- Fund management: AIGBL will establish an Investor Protection Fund. AIGBL's fund management will be led by the Investor Protection Fund and strictly abide by the principles of fairness, justice and openness, with the development of AIGBL as its primary purpose. The Investor Protection Fund is specially kept to ensure the safety and sustainability of funds. The use of all funds of AIGBL will be disclosed to all investors on a regular basis to ensure the openness of the use of funds.

With the support of core competitiveness, AIGBL's commercialization logic is clear, and each link and organization has strong targeting and logic genes. On this basis, AIGBL has proposed numerous modular and transformed technical solutions or mechanisms.

Chapter Three

GBL Token Economic Model

3.1 GBL Token Economics

GBL token is the link of AIGBL ecological consensus and is a high-value circulation certificate issued based on Ethereum ERC20. GBL token is a convertible AIGBL ecological internal value resource and is issued to encourage users and third-party partners to participate in ecological construction and other activities. Equity tokens.

- Name of the token: Global coin

- Token abbreviation: GBL

- Total issuance: 9.9 billion coins

- Allocation plan: 8.8% for the initial development team, 12.5% for investors, 7.5% for network operations, ≤ 5% for ecosystem funds, and ≥ 60% for helping humans

Overall, GBL tokens have a profound logical connection with the value, incentives, governance and security of the AIGBL ecosystem, reflecting the value characteristics of GBL tokens.

- From a value perspective, GBL tokens embody the carrier of "trust value" and "consensus value";

- From an incentive perspective, GBL tokens are economic rewards that encourage the participation of "bookkeepers" in the network;

- From a governance perspective, GBL tokens are equity certificates for participating in the network;

- From a security perspective, the existence of value incentives improves the network security of the GBL ecosystem.

3.2 How GBL tokens protect people's basic living needs

GBL Token is a revolutionary concept that converts wealth generated by AI into a new type of currency that is regularly distributed to everyone around the world. In this way, people can protect their basic living needs even in an AI-dominated future. GBL tokens are not only an economic compensation, but also a manifestation of social fairness. It allows everyone to share in the dividends brought by AI, regardless of whether their jobs are replaced by AI.

Time	Help value	Helping Humanity Ratio
2026	The per capita distribution is worth about US$1,000 GBL	20%
2027	The per capita distribution is worth about US$3,000 GBL	30%
2028	The per capita distribution is worth about US$5,000 GBL	40%
2029	The per capita distribution is worth about US$7,000 GBL	50%

The launch of GBL token is not only an adaptation to modern society, but also an investment in the future. In this way, the stable development of society can be ensured and the social burden caused by employment fluctuations caused by AI can be reduced. GBL tokens not only provide a kind of economic security, but also inspire people's hope and enthusiasm for the future.

In the context of the rapid development of global artificial intelligence, GBL's unique innovation will enable people to protect their basic living needs even in an AI-dominated future:

1) Technological innovation, building a new future together:

The birth of GBL token is a positive response to the technological revolution and is a leader in promoting technological innovation on a global scale. Through the power of AI, we transform technological progress into global welfare and create a smarter and fairer new future for everyone participating in the UBI plan.

2) UBI concept, global basic income guarantee:

GBL token adheres to the concept of universal basic income, that is, everyone is entitled to receive sufficient income to maintain a basic standard of living. By regularly issuing GBL tokens to individuals participating in the UBI plan, we are committed to ensuring that everyone enjoys basic life rights around the world in the face of unemployment risks.

3) Global tokens, sharing global dividends:

GBL token is not only a digital asset, but also a global token, connecting every participant and sharing global technology dividends. No matter where they are, everyone has the opportunity to share in the prosperity and well-being from global AI production by participating in the UBI plan.

4) Smart production, solid support system:

The issuance of GBL tokens is based on smart production. It does not provide one-time assistance, but builds a long-term and stable support system. Through regular free distribution, we will provide continuous economic support to people around the world participating in the UBI plan, allowing them to more calmly face the life changes brought about by technological changes.

4) Across borders to create a prosperous future:

The issuance of GBL tokens is an innovation that crosses national boundaries and is a clarion call for global mankind to jointly build a prosperous future. GBL token is the link connecting mankind around the world and is a global basic income practice led by AI. Let us jointly witness the help of GBL tokens to mankind in the AI era, and jointly create a more ambitious, just, equal, and inclusive future in the digital era!

3.3 GBL's value basis

As an encrypted digital currency with high application value, GBL will achieve functions similar to currency. Generally speaking, currency has four major functions: store of value, medium of exchange, unit of account, and deferred payment standard. In order to meet the above functions, GBL has specially designed the following features:

- Store of value: A store of value is an asset that retains its value and does not significantly depreciate over time. GBL is a payment medium designed to ensure price stability and steady growth in a volatile market.

- Medium of Exchange: A medium of exchange is anything that represents a standard of value and is used to facilitate the sale, purchase, or exchange (trade) of goods or services. GBL can be used to complete transactions in different types of transactions around the world.

- Unit of Account: A unit of account is a standardized measure of value used in pricing goods and services. Although GBL has not yet become a standard measure of value outside of the blockchain, it will serve as a unit of account within the AIGBL platform and some partner dApps.

In addition, GBL tokens, as a high-value circulating asset in the AIGBL platform,

can seize the commanding heights of global DeFi through various advantageous mechanisms and taking advantage of market gaps. GBL will also realize high-value circulation in the platform ecological scenario.

In the AIGBL platform application ecology, the value basis of GBL tokens is reflected in:

- Encourage users to participate in asset transactions on the AIGBL network, obtain transaction fees and notarization fees, and jointly maintain the network security of the AIGBL platform;

- As a measure of equity, it supports various consensuses in the early stages and realizes GBL's original consensus system;

- Support the AIGBL platform ecosystem to implement advanced smart contracts, avoid "logic bomb" contract execution that damages network performance, and provide an anti-fraud mechanism;

3.4 Future application value

Based on the basic functional design of the AIGBL ecosystem, we can clearly see that GBL tokens will play a greater role in the fields of transactions, payments, custody, lending, and investment, and will also enter all aspects of all members of society in the future:

◎ Trading area

- Users can use GBL to conduct transactions instead of legal currency, truly realizing P2P cash;

- Users can use GBL to trade with other digital currencies instead of fiat currency;

- Users can trade other digital currencies into GBL to avoid the risk of price declines.

◎ Payment field

- Significantly save payment time, especially in cross-border payments;

- Transaction records are stored on the blockchain for better tracking;

- Effectively reduce payment costs in cryptocurrency payment scenarios.

◎ Investment areas

- Mortgage other crypto assets to obtain GBL for investment and financial management, and enjoy the double appreciation of assets;

- Transaction records are stored on the blockchain and cannot be tampered with, eliminating accounting disputes;

- Combine GBL and IDO to increase revenue;

-   Use the characteristics of AIGBL to develop digital currency-based investment, financial management, mortgage loans, insurance, derivatives, prediction/prophecy markets and other long-term smart contracts that require price stability.

Chapter Four

AIGBL ecological application

examples

4.1 AIGBL DeFi 3.0 Protocol

The AIGBL DeFi 3.0 protocol is the core of the platform. Specifically, in the platform, we formulate corresponding Farming strategies through the AIGBL DeFi 3.0 protocol to obtain profits, and return profits to token holders, that is, "Farming as a service". It lowers the participation threshold for ordinary investors and increases Farming income.

At present, the threshold of DeFi is relatively high and not friendly to ordinary users. Farming in DeFi requires setting slippage coefficients, forming LP, staking, understanding free losses, etc. In addition, in order to obtain high APY returns, you need to invest a lot of time in researching and finding new liquidity pools, and face many potential risks, such as large investors It has caused problems such as "mining disasters", project parties running away, and high operational risks on the chain.

The AIGBL DeFi 3.0 protocol uses Farming as a service to formulate professional and cross-chain diversified Farming strategies. Compared with ordinary investors operating on their own, the AIGBL Protocol helps investors obtain higher returns. Investors do not need to spend time researching and selecting safe and high APY mining pools, nor do they need to transfer assets in different liquidity pools. At the same time, they avoid the risks of on-chain operations. They only need to hold the Token of the protocol to share. Profit earned from protocol farming. Through this solution, AIGBL effectively lowers the threshold for users to enter DeFi and improves their returns, especially for ordinary users.

The AIGBL protocol sets a certain proportion of transaction fees (buy/sell), part of which flows into the protocol's fund library, and the protocol will farm the funds according to the formulated strategy. The profits obtained are used to repurchase tokens, reduce supply and maintain currency prices, or reward part of the repurchased tokens to currency holders in the form of airdrops. In addition, currency holders can also obtain a certain percentage of handling fee rewards from each transaction.

The income aggregator Yearn Finance also uses protocols to help users choose high-APY liquidity pools to increase their income. However, it only farms on the corresponding public chain, and the APY of the same Token on different chains

often differs greatly. For example, the APY of USDC on Etherum and Fantom differs by more than three times. In order to obtain higher returns, users must transfer funds in Yearn Finance from Etherum to Fantom. This protocol cannot automatically transfer funds to higher APY liquidity pools on other chains and requires users to do so themselves, which will cause users to miss out on higher yield pools on other chains.

Different from Yearn Finance, the AIGBL DeFi 3.0 protocol implements cross-chain diversified Farming and optimizes the Farming solution based on the APY conditions provided by protocols on different public chains.

The APY on different public chains often vary greatly. In particular, in order to attract developers and users, new public chains will launch reward programs and generate higher APY. For example, after Avalanch and Fantom launched hundreds of millions of dollars in incentive programs, their TVL and The ecology is experiencing rapid growth, and the APY of the two ecological agreements is generally higher than that of other public chains.

The cross-chain Farming implemented by the AIGBL DeFi 3.0 protocol can continuously track the APY levels of protocols on different chains, increase safe and high-APY Farming funds, and obtain higher returns. At the same time, the AIGBL DeFi 3.0 protocol has invested more farming funds in Fantom than other public chains.

Overall, the AIGBL DeFi 3.0 protocol provides Farming as a service to users, using specialized and cross-chain diversified Farming strategies to obtain higher returns, and returns profits to token holders, helping ordinary investors in Obtain better returns in the DeFi ecosystem.
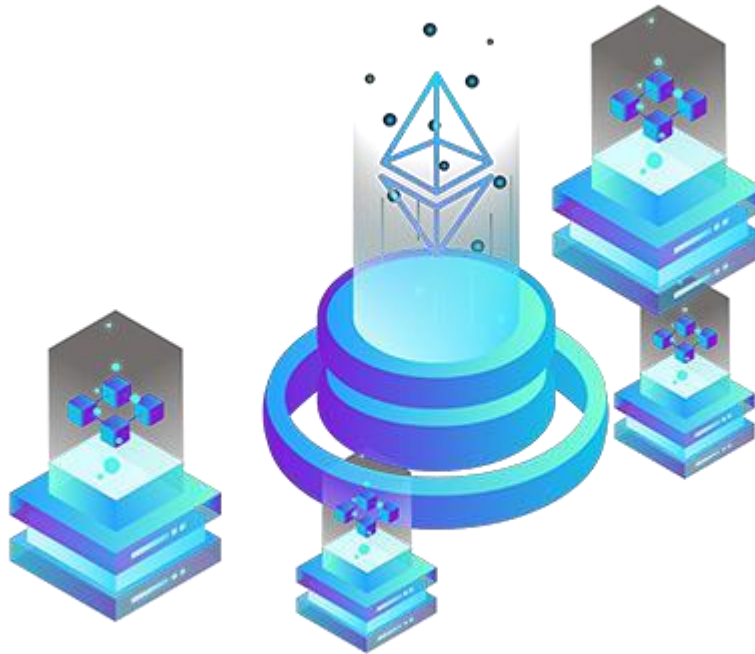
4.2 Artificial Intelligence Technology

Artificial intelligence is a vast research field consisting of multiple subfields, including machine learning, deep learning, neural networks, computer vision, natural language processing, and more. Artificial intelligence is considered to be the technology of the future. It can solve many problems in many fields such as smart terminals, smart education, smart medical care, smart robots, smart manufacturing, smart cars, smart life, smart cities and the Internet of Things, and provide more Industrial Utility Services.

The main material basis for studying artificial intelligence and the machine that can realize the artificial intelligence technology platform are computers. The history of the development of artificial intelligence is linked to the history of the development of computer science and technology. In addition to computer science, artificial intelligence also involves many disciplines such as information theory, cybernetics, automation, bionics, biology, psychology, mathematical logic, linguistics, medicine, and philosophy. The main contents of artificial intelligence subject research include: knowledge representation, automatic reasoning and search methods, machine learning and knowledge acquisition, knowledge processing systems, natural language understanding, computer vision, intelligent

robots, automatic programming, etc.

AIGBL's artificial intelligence technology will be applied to various industries through information and communication technology infrastructure, and will be combined with specific applications in the industry to achieve systematic and large-scale innovation and become the core of artificial intelligence technology.

AIGBL will also combine the latest large language model Chat GPT artificial intelligence technology to generate real-time intelligent identification of high-risk users and abnormal behaviors on the chain to assist with dynamic marking and scoring.

Chat GPT stands for "chat Generative Pre-trained Transformer", a generative pre-trained transformation model. It is a chatbot program released and developed by the American company Open AI on November 30, 2022. It can be used for question and answer, text summary generation, machine translation, classification, code generation and conversational AI.

The Transformer architecture is a deep learning model for natural language processing and other sequence-to-sequence learning tasks, which consists of the Attention mechanism and residual connections. The main advantage of Transformer is its parallelism, which can quickly process long sequence data, while also avoiding the information loss problem in auto-regressive models. The architecture of Transformer consists of an encoder and a decoder, where the encoder encodes the input sequence into abstract feature representations, and the decoder uses these feature representations to generate the target sequence.

Transformer's encoder and decoder are composed of several identical layers. Each layer consists of two sub-layers: one is a multi-head self-attention layer and the other is a feed-forward neural network layer. The self-attention layer allows the model to interact and focus on inputs at different locations, and the feed-forward neural network layer performs non-linear transformation on the self-attention layer output. Between each sub-layer, residual connections and layer normalization are also added.

In the self-attention layer, the input sequence is divided into multiple heads, and each head learns a different representation. A weighting function similar to an attention mechanism is then applied to each head to determine the importance of each location to the others. This approach allows the model to efficiently process

long sequences. In the feedforward neural network layer, the model inputs the output of the self-attention layer into a fully connected neural network to learn non-linear relationships between feature representations. The final output is composed of multiple layers and is passed through a decoder to generate a target sequence or as the output of a classification or regression task. The Transformer architecture is an important model in sequence-to-sequence learning tasks such as natural language processing and machine translation, and is used in various projects.

As a natural language processing tool driven by artificial intelligence technology, the core technology of Chat GPT is the GPT (Generative Pre-training Transformer) model, which is a deep neural network model based on the Transformer structure. It is learned from a large text corpus language model to generate natural language text. These texts can be used for AIGBL data visualization, such as generating data reports, data stories, data explanations, etc. By using natural language generation technology, data results can be transformed into text that is easy to understand and share, increasing the impact and visualization of your data. This will help AIGBL intelligently identify high-risk users and abnormal behaviors on the chain, and assist in dynamic marking and scoring.

4.3 Artificial Intelligence Search Engine

The current development model of artificial intelligence has shifted from early technology-driven to data-driven. A few data resource monopolies have become dominant. Many artificial intelligence developers have difficulty optimizing training models due to lack of data accumulation. Big data, as a necessary production factor, is too concentrated and cannot match the scientific and technological productivity of artificial intelligence development, resulting in the inefficiency of the entire resource collaboration market and largely hindering the development of artificial intelligence.

Big Data		AI		Blockchain
Factors of production	+	Productive forces	+	Relations of production
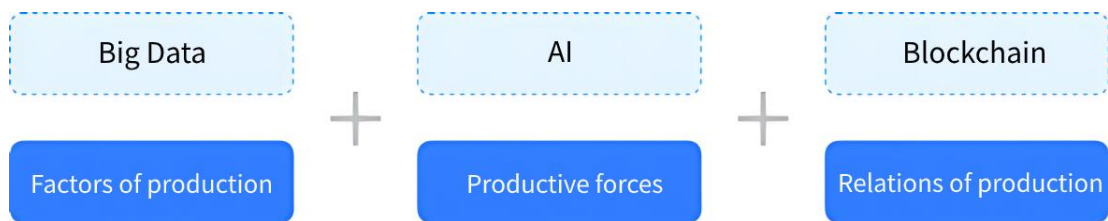
AIGBL will rely on the underlying architecture of the blockchain to connect data resource parties, application developers and other roles, effectively organize productivity and production factors to match, and attract more resource owners to participate through endogenous incentive mechanisms, gradually enriching data reserves and application scenarios to achieve a virtuous cycle of the system and create greater value.

AIGBL will launch an AI artificial intelligence search engine and provide a public resource information release channel to solve the resource flow problem required in the AI industry application development process and improve collaboration efficiency at the AI development resource level.

Through an open and transparent decentralized resource trading platform, various resources required for AI development can be traded on the chain. Resource demanders pay AIGBL to resource providers to obtain resource usage rights. As more and more resources are introduced into the market, market-oriented fair pricing will gradually be achieved, thereby promoting the large-scale development of application development in the AI industry, so that artificial intelligence can benefit everyone's life faster, better, and more safely.

At the data resource level, AIGBL has introduced strategic partners such as Baidu, NetEase, Sogou, Google and other data resource providers as well as major

mainstream portal websites, completed the initial deployment of data resources, and will introduce more data resource partners in the future. At the AI development level, AIGBL will cooperate with the industry's top AI R&D institutions and promote the development and implementation of some AI industry applications through the gathering and collaboration of resources on the chain.

4.4 Artificial Intelligence Social System

Many technologies in the large social platforms we use now are implemented using artificial intelligence. Not only the functions we use, but in fact these platforms also use artificial intelligence.

In the current era of information explosion, faced with massive amounts of information, many companies face the problem that they cannot quickly deliver the right information to the right customers, so they cannot achieve the maximum marketing effect. Therefore, more and more business users will consider using artificial intelligence and automation to find potential customers and interact with them directly through these intelligent software tools.

The technology used in the AIGBL artificial intelligence social system has at least the following four applications in the social field:

1) Publish news regularly

We use the AIGBL artificial social system to easily manage multiple accounts, so that you can register different accounts for different products, and then manage them uniformly on the AIGBL artificial social system platform. Of course, the most important thing is their pre-release function. You can set batch information for each account in advance, then set the release time, and let the AIGBL artificial social system automatically release it for you. At the same time, the AIGBL artificial social system also provides a click statistics function, allowing you to fully grasp the click status of the information you publish, so that you can adjust your marketing strategy in a timely manner!

2) Optimize social content

The AIGBL artificial social system will focus on data analysis of major social platforms and optimize user social content to maximize exposure for users.

3) Proactive interaction

The AIGBL artificial intelligence social system will provide users with automatic chat robots. In addition, it will also launch some automated tools and integrate them with social platforms such as Facebook and Twitter to further achieve positive relationships between brands and customers. interactive.

4) Human relationship

In the future, the AIGBL artificial intelligence social system will simulate human behavior and can play many real-world roles, such as guides, interlocutors, administrators, hosts and even friends, making it easier to establish more humane relationships with customers.

Chapter Five

AIGBL technology system

5.1 Technical design principles

In its insistence on decentralization, the AIGBL system strictly follows the following principles:

1) Trust principle

Two nodes in AIGBL can trust each other and can directly exchange value. The current Internet system itself cannot conduct value exchange, but value transfer through financial intermediaries greatly reduces the efficiency of the entire value exchange, and it is impossible to avoid and determine whether the intermediary has committed evil acts. AIGBL has established a consensus system through cryptography. It verifies the uniqueness of value by adding timestamps to the data. It ensures the uniqueness of value through the uniqueness of time and avoids the problem of double payment in the system.

2) Distribution principle

The AIGBL system has established a point-to-point network to form a truly equal collaboration network. There is no longer a centralized system and no single point of control. The damage of a certain node cannot affect the normal operation of the entire system and no participant can shut it down. system. Through a distributed network, a property rights database is established on thousands of computers around the world.

3) Motivational principles

4) The GBL token economic model brings together all stakeholders involved in system maintenance and provides sufficient value rewards to these system participants and maintainers, so that what you put in is rewarded.

4) Security principles

The security measures embedded in the AIGBL system will not have a single point of failure. Each node can guarantee that there will be no data leakage, not only ensuring confidentiality, but also ensuring the authenticity and non-repudiation of activities. Everyone who enters the blockchain network must use encryption technology. If information is leaked, it will be caused by the reckless operation of the parties and has nothing to do with the security of the system.

5) Privacy Protection Principles

Driven by artificial intelligence, the AIGBL system allows people to control their own data and decide independently what identity information they have and when and where they can disclose it to others. Blockchain can prevent the risk of individuals being monitored, and third parties cannot determine to whom a piece of data belongs in the real world. And the data will only be disclosed to third parties with your consent, ensuring that while your data brings value to others, you can also receive compensation.

6) Rights protection principle

The AIGBL system can digitize and codify rules or laws by writing smart contracts through code. Users use their private keys to sign the contract, and the contents of the contract will only be executed if the corresponding conditions are met. Through smart contracts, the entire rights target determination, execution process, and reward mechanism can reach consensus and achieve complete transparency.

7) Inclusive principle

Everyone is equal in the AIGBL system. The best state of economic development is to take care of everyone and lower the threshold for participants. The rights of every node are equal, and anyone can participate in the construction of the entire network without providing proof of real identity, credit, property, etc. End social hegemony, economic hegemony, eliminate gender discrimination and racial discrimination, and promote more democratic and equal development of the entire society.

The overall characteristics of AIGBL technology are open, transparent and verifiable. From the effect point of view, it is non-tamperable and traceable. In order to realize the security, efficiency and low-cost cross-chain of AIGBL asset network, AIGBL has multi-signature key management, distributed cross-chain storage of digital assets, composite keys, timestamps, transaction engines, system risk control technology, matching transactions and based on The AIGBL independent consensus mechanism and cross-chain protocol created by Ethereum's consensus technology and cross-chain middle layer protocol.

5.2 Multi-signature key management

Multi-signature key management is a security management technology for keys. When multiple stakeholders jointly manage an account and jointly manage the key, each stakeholder will have a key share. Only by collecting a certain number of key shares can the key be recovered. This technology can be used to lock the account key across chains, and it is jointly maintained and managed by the locked account management nodes on multiple chains, ensuring the security and credibility of the account and reducing the risk of key loss.

5.3 Distributed cross-chain storage of digital assets

Security is the foundation of AIGBL. As the digital asset trading platform stores more and more digital assets, it can easily become the target of criminals. The platform needs to spend a lot of manpower, material and financial resources to prevent their attacks. AIGBL will establish a distributed financial infrastructure to connect various blockchain networks together to help them complete the transfer, accounting and storage of assets between them.

Through the trading platform, different digital currencies and digital assets can be transferred in and out and transactions completed in a blockchain manner;

financial products and contracts based on digital currencies and digital assets can be created and executed; and related transactions can be obtained Effective privacy protection. Through distributed cross-chain asset storage and multi-signature key management capabilities, AIGBL will break the capital pool model of the "classical" trading platform. While having centralized high-speed matching capabilities, it will also have the openness, transparency, and security of a distributed trading platform. fund custody capabilities.
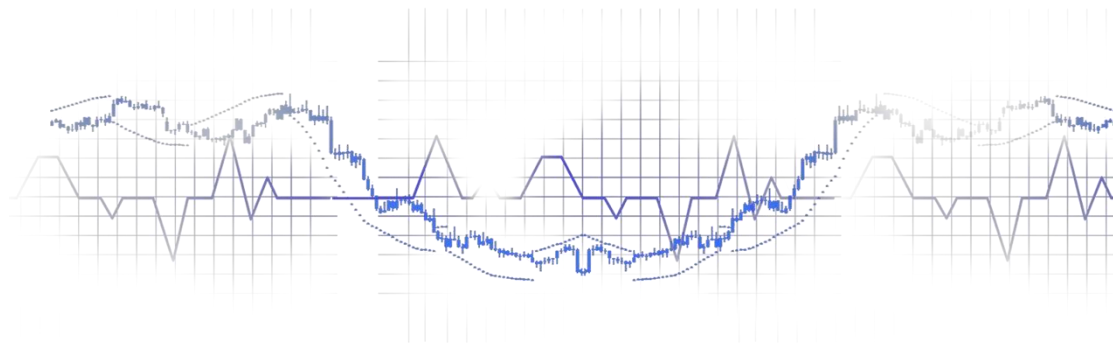
5.4 Composite key

The term "public key" in the description above actually refers to a composite key. A composite key is a tree whose leaves are regular cryptographic public keys appended with algorithm identifiers. A node in the tree is assigned both a weight for each of its children and a weighting threshold that it must meet. The validity of a set of signatures can be confirmed by walking through the tree from the bottom up, summing the weights of all keys with valid signatures in it, and comparing them to a threshold. By using weights and thresholds, a wide variety of situations can be encoded, including Boolean expressions using AND and OR.
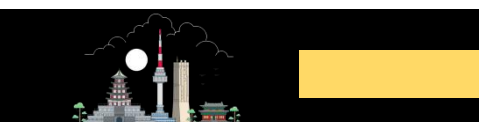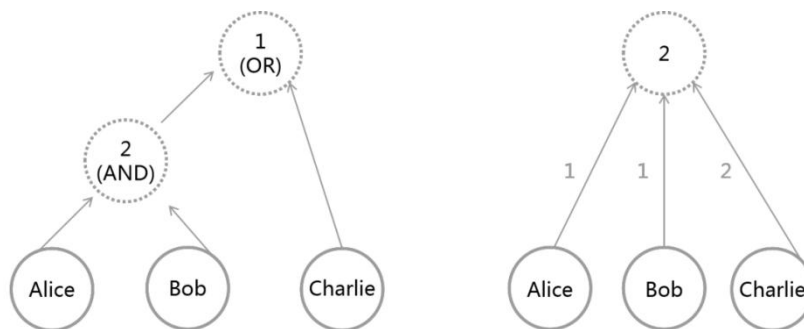
Composite keys can be used in a variety of scenarios. For example, assets can be under the control of a 2-out-of-2 composite key: one key belongs to a user and another key belongs to an independent risk analysis system. Risk analysis systems will refuse to sign a transaction when it appears suspicious, such as too much value being transferred in a short window of time. Each participant in a distributed notary office is represented by a leaf of the tree, and specific threshold settings can make the signature of the entire group still valid when some participants are offline or refuse to sign. While threshold signature schemes that can accurately produce composite keys and signatures are available in the literature, in order to allow the use of different algorithms to mix keys, we chose a less space-efficient explicit form. This way, the process of phasing out old algorithms and adopting new ones does not require all participants in the group to upgrade at the same time.

5.5 Timestamp

The transaction timestamp specifies a time window, and it can be concluded that the transaction occurred within this window. The reason why timestamps are expressed in the form of windows is that there is no exact point in time in a distributed system, but only a large number of clocks without synchronicity. This is not only due to the laws of physics, but also due to the nature of shared transactions - especially if signing the transaction requires the authorization of multiple people, the process of constructing a joint transaction can last hours or days.

It is worth noting that the purpose of the transaction timestamp is to satisfy the logical mandatory requirements of the smart contract code and convey the transaction's position on the timeline to the contract code. While the same timestamp may be used for other purposes, such as regulatory reporting or ordering of events on a user interface, there is no requirement to use timestamps in that manner, and although timestamps observed by other participants may not be precise For matching, using locally observed timestamps is sometimes a better choice. Alternatively, if a precise point on the timeline is required and this point must be agreed upon by multiple participants, an agreement can be made to use the middle point of the time window. Even though this won't exactly correspond to an event (such as a keystroke or a verbal agreement), this approach can still be useful. Timestamp windows can be open and used to convey that a transaction occurred before or after a specific time, but it doesn't matter how early or later. The timestamp is checked by a notary service. Since the participants in the notary

service themselves do not have precisely synchronized clocks, it is unpredictable whether a transaction submitted at the boundary of a given time window will be considered valid at the moment it is submitted. However, from the perspective of other observers, the notary's signature is decisive.

If a transaction has a notary's signature, it is assumed to have occurred within a given time. In order to allow the relatively narrow time window to be used when transactions are under the full control of a single participant, the notary office is expected to synchronize with the U.S. Naval Observatory's atomic clock. An accurate feed of this atomic clock can be obtained from GPS satellites. Note that the Java timeline used by the AIGBL system is expressed in UTC time, and leap seconds are included in the last 1,000 seconds of the day, so each day contains exactly 86,400 seconds. Special attention is required to ensure that changes to the leap second counter in GP are handled correctly so that it can be synchronized with Java time. When setting the time window for a transaction, attention must be paid to the delay in network propagation of messages between the user and the notary service and within the notary service.

5.6 Trading engine

In order to achieve top information flow processing capabilities and ensure accurate information arrival and error-free processing results, AIGBL will independently develop a trading engine system. After testing, the engine system will achieve a peak transaction processing speed of 5 million TPS and transaction matching efficiency. It is 35%-40% higher than the same industry, providing basic technical support for the stable and efficient operation of the platform. At the same time, AIGBL will integrate and optimize the cloud computing configuration of each node so that the AIGBL system can reach the processing speed of the top international stock and futures trading platforms.

5.7 Matchmaking

In traditional private data matching transaction scenarios, the data of both parties need to be disclosed to each other or handed over to a trusted third party for matching. In today's volatile and malicious environment, this is extremely risky. The third party has too much say in the transaction and may leak, tamper with, or conceal the data of both parties. Therefore, protocols that can support federated computation and protect the privacy of participants are becoming increasingly

important.

The AIGBL system introduces Secure Multi-party Computation (SMC) to solve this problem. Secure multi-party computation is a collaborative computing problem that protects privacy among a group of mutually distrustful participants. SMC needs to ensure the independence of the input and the correctness of the calculation, and at the same time, the input values are not leaked to the participants. Usually, a secure multi-party computation problem calculates any probability function based on any input on a distribution network. Each input party has an input on this distribution network, and this distribution network must ensure the independence of the input and the correctness of the calculation. , and does not reveal any information other than the respective inputs that can be used to derive other inputs and outputs. Taking exchange matching as an example, the user's conditions and characteristics are mapped into points in the t-dimensional space.

Assume that the target expected by the demander is a, and the data of the data provider is B=b1, b2..., bn, which satisfies:

$$a, b_i \in P$$

The matching transaction algorithm can be summarized as the nearest neighbor algorithm NN on the t-dimensional space, that is, the minimum distance d between a and b is found.

$$b` = NN(a,\ B) = \min_{i=1,\cdots,n} d\big(a, b_i\big)$$

In order to protect the privacy of data B from leakage, the computing nodes in the blockchain need to be isolated from data a and b, and can only obtain encrypted data. Therefore, AIGBL introduces the Full Homomorphic Encryption algorithm to perform data matching calculation processing. Fully homomorphic encryption can perform arbitrarily complex operations on encrypted data without a decryption key to achieve secure plaintext calculations.

Assume the encryption algorithm is Ex)=cX and the decryption algorithm is D(x)=pX, there are:

$$b` = NN(a, B) = D\left(NN(c_a, c_B)\right)$$

Due to the performance limitations of the homomorphic encryption algorithm, AIGBL selects the square of the Euclidean distance to calculate the matching degree. Then the optimal matching calculation formula is:

$$b` = NN(a, B) = D\left(\min_{i=1,\cdots,n} d(c_a, c_{b_i})\right) = D\left(\min_{i=1,\cdots,n} \sum_{j=1}^{t} \left(c_{a_j} - c_{b_{ij}}\right)^2\right)$$

After calculating b through the above formula, the query party obtains the best matching target. During the entire matching process, the agent computing node and the querying party cannot access other user data before encryption, and the privacy of user data is guaranteed.

5.8 Cross-chain communication

AIGBL proposes a lower-cost and more efficient cross-chain solution. It is a cross-chain middleware concept based on the Ethereum smart contract engine, which we call AIGBL Bridge Protocol. The transaction and consensus process of AIGBL BridgeProtocol all occur in smart contracts, which are safe, transparent, and reusable. Users who participate in consensus voting are called AIGBLers. They vote on each cross-chain transaction through hardware multi-signature. Only when a

consensus is reached can the freezing and issuance of tokens be executed.

With the support of AIGBL BridgeProtocol cross-chain middleware, AIGBL's cross-chain communication is more efficient. The most critical part of AIGBL is cross-chain communication. Because there can be some kind of information channel between parallel chains, we say that AIGBL is a scalable multi-chain system. In AIGBL, communication can be very simple: when executing a transaction in one parachain (according to the logic of that chain), a transaction can be forwarded to the second parachain or relay chain. Currently, external blockchain transactions in production environments can only be completely asynchronous, and they do not have the native ability to return any information to its source.

In order to ensure minimal implementation complexity, minimal risk, and minimal parachain architecture constraints, these cross-chain transactions are no different from current standard external transactions. These transactions will have a source field, which is used to identify the parachain, and an address that can be of any length. The handling fees required for cross-chain transactions are not like the current Bitcoin or Ethereum systems, but must be managed through the negotiation logic of the source parachain and the destination parachain. One proposed improvement in the Serenity version of Ethereum would be a simple way to manage such cross-chain resource payments, although we assume others will come up with more advanced methods.

The problem of cross-chain transactions can be solved with a simple queue mechanism, which uses a Merkle tree to ensure the authenticity of the data. The task of the relay chain is to transfer transactions from the outqueue of the source parachain to the inqueue of the destination parachain. Forwarded transactions will be referenced on the relay chain, not the transactions on the relay chain itself. In order to prevent one parachain from sending spam transactions to another parachain, it is stipulated that when sending each transaction after the end of the previous block, the queue of the target parachain cannot be too large.

If the queue is too large after the block is processed, the destination parachain will be considered saturated, and no more transactions will be routed to it in the next few blocks until the queue drops below the critical value. These queues are managed on the relay chain, allowing parachains to mutually determine their saturation levels. If you send another transaction to the stalled target chain, you can report the failure synchronously (because there is no return path, if the second transaction fails for the same reason, it may not send a reply to the source caller,

which You need to use some other recovery methods).

5.9 System Risk Control Technology

1) Database read and write separation mechanism

In the early days, AIGBL system risk control generally ensured the synchronization and read-write separation of the trading system database and risk control system data by establishing database master-slave replication, read-write separation, sharding and other mechanisms. System risk control generally only has read permission for required customer/account data and transaction data, thereby ensuring the safety and reliability of account data.

2) Cache/memory database mechanism

An efficient cache system is an effective measure to improve performance. Generally, this mechanism stores frequently used data in cache systems such as Redis. For example, data such as risk control rules, risk control case library, intermediate result sets, black and white lists, preprocessing results, transaction parameters, billing templates, clearing and settlement rules, profit sharing rules, etc. For some high-frequency transactions, based on performance considerations, in-memory databases will be used for storage.

3) RPC/SOA architecture

Reduce the coupling between trading systems and system risk control. When there are few system services in the early stage, message middleware such as RabbitMQ/ActiveMQ or RPC method is generally used directly to realize the invocation of inter-system services. When system services increase and service governance issues arise, SOA middleware such as Dubbo will be used to implement system service calls.

4) Composite Event Processing (CEP)

Real-time/quasi-real-time transaction risk control uses the Composite Event Processing (CEP) mode, which has better performance and scalability than purely rule-based processing mode.
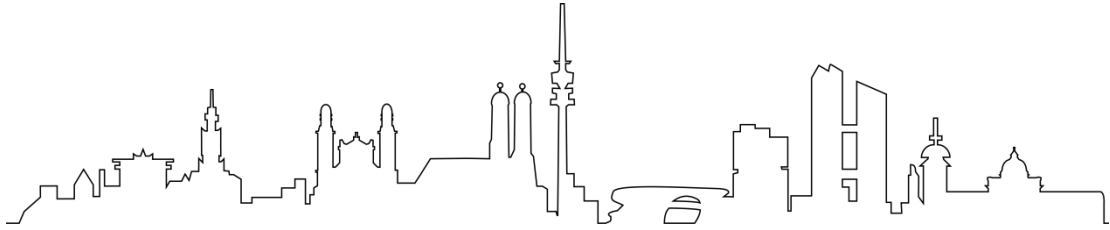
Chapter Six

AIGBL DAO community

6.1 AIGBL DAO business logic

AIGBL DAO is based on the concept of sharing, linking project parties, ordinary investors, capital parties, practitioners, etc. to become a true community of interests. Constrained by smart contracts, we can jointly create, obtain and distribute community value, and establish a credible, safe and investment platform for every ordinary person, so that everyone has an equal opportunity to invest in cryptocurrency.

1) Infrastructure systems

The investment process of blockchain and encryption industry is also the growth process of nodes. It is a new business form with nodes as the core. In order to maximize the vitality and sustainable motivation of all nodes, the community/investment fund must have a platform that can be widely used by nodes. An open and transparent business rule system and incentive mechanism that is recognized by the company. Therefore, it is a more realistic and feasible solution to build an underlying infrastructure suitable for investment through the DAO model.

2) Value exchange network

The AIGBL DAO team has many years of experience in encryption product design, research and development, and commercial operations. They know that in addition to improving the infrastructure for industry operations, they must also rely on professional organizations to develop business more smoothly. The AIGBL DAO team will unite all business entities and operators interested in business and investment activities to form an alliance. Through collective capabilities, it will promote further exploration and experimentation in the encryption market, which can not only effectively reduce the risk of a single business entity trying new business models. Risks, and you can rely on organizational strength to consolidate business results and avoid business failure caused by the lack of a single resource factor.

3) Business ecological extension

AIGBL DAO is well aware that building a diverse ecosystem requires, on the one hand, an encrypted open value exchange platform that allows different participants to easily participate and share their power, and on the other hand, it also needs to

attract as many partners as possible through an integrated platform. Come in and let as many industry users and groups join as possible. Therefore, in the future, AIGBL DAO will be a comprehensive platform targeting DeFi 2.0, providing open platforms, application markets and other service capabilities, uniting application and service developers, and implementing node-based transformation of industry business, giving it new impetus and tension. , enhance the activity of decentralization, and jointly promote the further development of the C-side, so that the expected effect of a prosperous ecology can be realized and achieved.

6.2 Community autonomy form

Under the leadership of DAO, AIGBL DAO will achieve complete decentralization and a high degree of community consensus. The new decentralized autonomous organization initiated by AIGBL DAO belongs to the category of dedicated DAO. The community has a strong consensus and is 100% self-managed by the community. After the project goes online, the community will vote to develop its own decentralized applications and DAPPs.

GBL tokens are used as value circulation proof and incentive means, and then smart contracts are used to determine member collaboration relationships and benefit distribution models. There is no clear identity distinction between members, such as investors, developers, collaborators, operators, users, etc., who will all become part of the community by holding tokens. Members can continuously optimize the contract structure, constantly seek the shortest path, and maintain efficient collaboration capabilities and better development directions.

In the community ecosystem, all holders of the governance token GBL have the right to participate in AIGBL DAO. Under the basic principle of "one GBL, one vote", all community members work together to create a scientific governance system to achieve DAO governance with goals, processes, and results. Different users may have different voting weights. Exchange addresses cannot participate in voting. AIGBL holders can participate in the following discussions to discuss what is beneficial to the development of AIGBL DAO:

- Community development matters

- Proposal on Token Economics

- Important model parameters of AIGBL DAO

• Cooperation and development of AIGBL DAO

• Marketing activities

• Exchange and cooperation

• Other matters related to marketing strategy

AIGBL DAO will establish a management committee to be responsible for the advancement of various affairs. Members of the AIGBL DAO Management Committee can not only contribute to the development of AIGBL DAO, but also obtain additional profits through the implementation of proposals. It is composed of core members, committee members, DAO virtual asset holders and DAO-decentralized identity holders to jointly govern the community. Any AIGBL DAO related asset holder can initiate proposals and vote; in the AIGBL DAO decision-making system, there is only agreement and disagreement and the minority must obey the majority. Anyone can submit a DAO application + referendum. This makes community decision-making very straightforward and efficient. The direction of the proposal: ecological marketing, technology iteration, code audit, TOKEN airdrop, funding projects, DAOVault management and other matters.

6.3 Operating mechanism

The operating mechanism of AIGBL DAO is as follows:

1) Write smart contracts

The AIGBL DAO smart contract is written on the blockchain and is a set of computer programs used to execute various commands. The AIGBL DAO smart contract is open and transparent, and anyone can see every line of code (rules).

2) Fundraising

AIGBL DAO requires funds. GBL tokens are representatives of the rights and interests of AIGBL DAO. Holding GBL tokens can have the following rights: voting rights, proposal rights, income rights, and the right to use various services provided by AIGBL DAO.

3) Proposals and voting

When the smart contract is released, the operation of AIGBL DAO will not be controlled by the sponsor, and all decisions will be executed after obtaining consensus. Anyone holding this GBL token can initiate a proposal and vote. After reaching a certain proportion of consensus (the proportion is written in the smart contract), the DAO will automatically execute the corresponding instructions.

4) Advantages of operating mechanism

- Eliminate private fraud: AIGBL DAO's funds are obtained and used in an open and transparent manner. The source and destination of each fund are very clear, and there are no underground transactions.

- Reduce communication costs: There is no room for negotiation in executing AIGBL DAO decisions, and it only needs to be run according to the proposals derived from the contract and voting.

- Reduce management costs: AIGBL DAO has no hierarchical structure and does not require management costs.

- Equality: AIGBL DAO has no hierarchical structure and everyone is equal.

- No dictatorship: everyone can propose ideas for the organization and may be used.

- Solidarity: All participants hold GBL tokens, and the better the AIGBL DAO runs, the more valuable the tokens will be. All participants will have the same goal, which is to make AIGBL DAO run better. At the same time, making proposals and voting require a certain amount of tokens. Therefore, voters will start from the perspective of AIGBL DAO and sincerely seek benefits for AIGBL DAO.

6.4 Value Creation

As a decentralized autonomous organization, AIGBL DAO is a technical tool written in code and run on the blockchain. It is also a new type of governance institution that can achieve openness and justice, no human intervention and autonomous operation, and there is no law. entity.

1) Maximize utilization of resources

AIGBL DAO stores all content in a decentralized storage network, which is open, transparent and cannot be tampered with. Anyone can review the project's rule changes, etc., and schedule resources in a timely manner without consuming time for review.

2) Achieve innovative development

People in AIGBL DAO can put forward their opinions on the blockchain at any time and be seen by others. Users can more conveniently and timely participate in AIGBL DAO development matters and promote project innovation and development.

3) Improve the credibility of results

The use of the AIGBL DAO distributed ledger will allow each voter's vote to be truly and publicly recorded on the blockchain, eliminating the need for manual counting of votes to produce election results, which are timely and credible.

4) Transparency and ease of access

Transparency is one of the most important components of good governance, as transparency helps build trust in AIGBL DAO. Without truly transparent public discussions, voting, and funding, platforms could face an oligarchy or systemic fraud. In the governance of AIGBL DAO, it includes binding and tracking discussion speeches to individual specific addresses. Additionally, it includes thorough discussion and communication of all activities carried out by the AIGBL DAO community and its leadership.

Chapter Seven

Global team and project implementation

7.1 Global team

Most of AIGBL's core technology R&D team members come from Silicon Valley technical elite teams and Ethereum's top blockchain projects. Most of them come from the American AI Research Center and the Silicon Valley Blockchain Laboratory. The team brings together the best technical experts in various fields such as computers, information security, games, communications, mathematics, finance, web development and high-frequency algorithmic trading. Have market and practical experience in construction and other aspects. The team not only has strong technical capabilities, but also has excellent scientific research capabilities, and has achieved outstanding research results in multiple fields such as distributed storage, ledgers, and cryptography.

Harvey

Graduated from the Department of Computer Science at Yale University with a PhD in Computer Science and Big Data. He is an architect, database expert, and chief technical expert in exchange construction. He has long been engaged in database applications, data warehouses, big data, and blockchain development in the trading industry. He has Rich experience in blockchain project development.

Lambert

A world-renowned blockchain application expert and a global leader in the commercial application of blockchain technology. He once served as a director of the U.S. Business Council, has a PhD in sociology from Columbia University, and is a researcher at the Financial Research Center. He is a global authority in the field of

intelligent financial technology applications.

Meredith

He has 15 years of experience in technology development and has authoritative influence in the development of underlying blockchain technology. His career has covered both academia and the corporate world. He is a research scholar, engineer and leader. He has held various engineering management positions at Google and Amazon.

Roice

Blockchain developer and enthusiast, he has been involved in the blockchain industry since 2013 and has participated in the development of multiple encrypted digital currency projects. Includes proof-of-concept platform, blockchain explorer, online wallet and one of the largest token mining pools.

Wolf Carr

The main research direction is applied cryptography. He used to be the corporate architect of RSA Security, a major provider of world-class information security and encryption solutions, and the core developer of RSA Go ICOFM

products; he is also a Singapore blockchain expert and an expert member of the American Digital Currency Association.

7.2 Partner

1) Exchange

AIGBL has or is currently cooperating with the world's top exchanges to conduct business. For example, Binance, PancakeSwap, Uniswap, OKEX, Coinbase, Huobi, etc.

2) Obtain technical support

AIGBL has received support from top technology institutions including Google Blockchain Research Group, Bubi Blockchain, Ethereum, Binance Blockchain Research Institute, Canaan, DFINITY, International Data Corporation (IDC), Amazon Web Services and other top technology institutions. Core technical support.

3) Global capital

AIGBL has signed strategic cooperation agreements with top projects to provide strong support for entering target scenarios, thereby truly promoting the actual implementation of AIGBL ecological applications. Partners include: Goldman Sachs, IDG Capital, Accel Partners, Fidelity Investment Group, IBM, etc. In addition, Digital Currency Group, RRE Ventures, Fenbushi Capital, Andreessen Horowitz, etc. are core capital supporters of AIGBL.
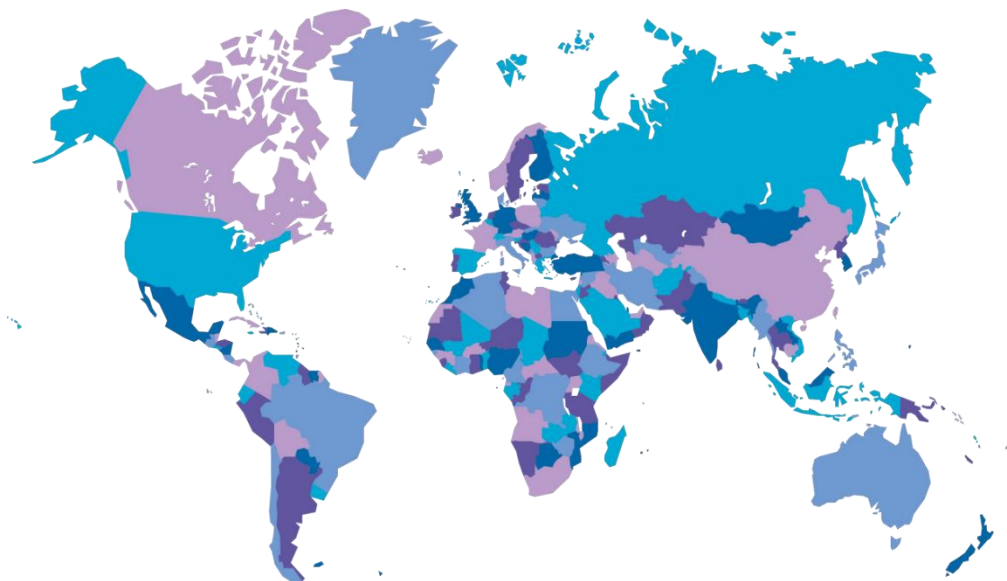
7.3 Implementation resource support

Thanks to the advantages of sustainable development and innovative technology, extensive commercial applications, and refined governance, the implementation of AIGBL is competitive in the following aspects:

- Technology: AIGBL has very mature and powerful technical support, has accumulated rich industry and technical experience in blockchain, DeFi and other fields, and has made industry-leading breakthroughs in the development and application of blockchain underlying technology. The AIGBL team perfectly brings together senior people from multiple industries, with many years of practical operational experience and deep insights into industry development.

- Industry resources: AIGBL has signed strategic cooperation agreements with top leading companies in the target industries, which will provide strong support for AIGBL to enter the target industries, so as to truly promote the actual implementation of AIGBL applications.

- Business governance: Unlike general projects, AIGBL has a clear and explicit strategic plan for the target industry, and uses an autonomous community model to continue to empower free, fair and high-value ecological prosperity. AIGBL is more focused on professionally leveraging the characteristics of distributed decentralization, non-tampering, encrypted security and point-to-point value transmission of blockchain technology to penetrate target industries and quickly gain market share.

- Fund management: AIGBL's fund management will be under the leadership of DAO, strictly abide by the principles of fairness, justice and openness, and take the development of AIGBL as its primary purpose. An investor protection fund has been established to specifically safeguard and ensure the safety and sustainability of funds. The use of all funds of AIGBL will be disclosed to all investors on a regular basis to ensure the openness of the use of funds.

In summary, with the support of core competitiveness, AIGBL's commercialization logic is clear, each technical link and organization has a strong targeting and logical gene, and on this basis, it has proposed numerous modular

and transformational technical solutions. or mechanism.

7.4 Compliance construction

AIGBL has more than 40 security staff, including veterans assessing perimeter risks and cryptography Ph.D.s engaged in cryptographic attack analysis. AIGBL also has nearly a hundred compliance officers who examine transactions to sort out money laundering. In addition, AIGBL also cooperates extensively with law enforcement agencies. Follows strict identity verification procedures to comply with regulations such as KYC (Know Your Customer) and AML (Anti-Money Laundering), and tracks and monitors crypto assets sent to and from its website.

AIGBL has established a project review committee composed of well-known institutions and professionals. At the same time, AIGBL introduces authoritative third-party rating agencies to review all aspects of the transaction. AIGBL invites internationally renowned third-party authoritative institutions to participate to ensure that the review results are true, objective, reasonable and credible. This ensures user investment safety and income security.

In the future, the AIGBL ecosystem will provide more fair, transparent, compliant, credible, and fully circulated value support for the circulation of GBL tokens, and provide global digital asset enthusiasts with a safe, stable, considerate service, and trustworthy transaction protocol, establishing a world without A world-class GBL token integration ecosystem that bridges national borders and racial barriers.
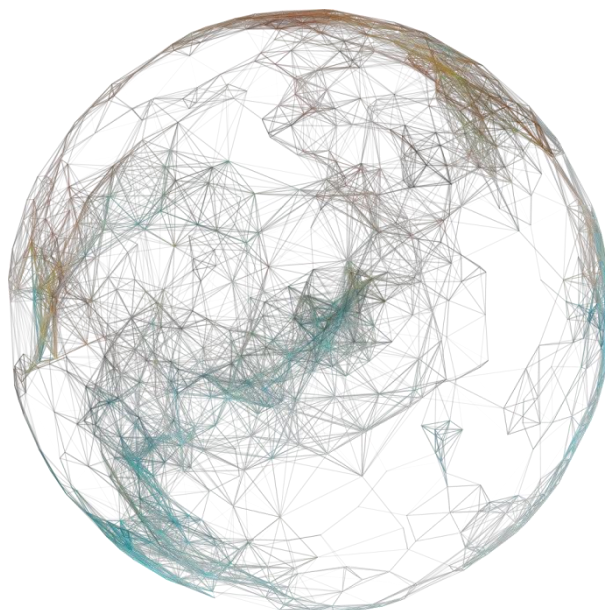
Chapter Eight

Disclaimer

Nothing in this white paper constitutes legal, financial, business or tax advice, and you should consult your own legal, financial, business or other professional advisor before engaging in any activities related to this. Community staff, project R&D team members, third-party R&D organizations and service providers are not responsible for any direct or indirect damages and losses that may result from the use of this white paper. This white paper is for general information purposes only and does not constitute a prospectus, offer document, offer of securities, solicitation of investment or any offer to sell any product, item or asset (whether digital or otherwise). The following information may not be exhaustive and is not meant to have any element of contractual relevance.

The white paper cannot guarantee the accuracy or completeness of the information, and does not guarantee or promise to provide a statement of the accuracy or completeness of the information. To the extent this whitepaper contains information obtained from third parties, the community and team have not independently verified the accuracy and completeness of such information. In addition, you need to understand that the surrounding environment and situations may change at any time, so this white paper may be out of date, and the community has no obligation to update or correct the content and documents related to this.

No part of this white paper constitutes and will not constitute any offer by the community, distributors, or any sales team (as defined in this agreement), nor can the content stated in the white paper be relied upon for any contract or investment decision. Foundation. Nothing contained in this white paper constitutes a representation, promise or guarantee of future performance. By accessing and using this white paper or any content therein, you provide the community, its affiliates and your team with the following guarantees:

Regulatory authorities have not reviewed or approved any of the information set out in this white paper and there is no provision under the laws, regulatory requirements and rules of any jurisdiction that requires or will require doing so. The publication, distribution or dissemination of this white paper does not imply that applicable legal, regulatory requirements or rules have been fulfilled and complied with. This is just a conceptual white paper to describe the long-term development goals of AIGBL to be developed. This white paper may be modified or replaced from time to time. There is no obligation to update the white paper and provide the audience with other information beyond the scope of this white paper.

All statements, press releases and publicly accessible statements contained in this white paper, as well as oral statements that may be made by the community and the AIGBL team, may constitute forward-looking statements (including related statements of intent and expectations regarding current market conditions, operating strategies and plans, financial conditions, specific regulations and risk management decision-making confidence and expectations). You are cautioned not to place undue reliance on these forward-looking statements, as these statements involve known and unknown risks, uncertainties and other factors, which may cause actual future results to differ materially from those described in these forward-looking statements. , at the same time, it should be noted that there is no independent third party to review and judge the reasonableness of these statements and assumptions. These forward-looking statements only apply as of the date shown in this white paper, and the community and the AIGBL team expressly disclaim any liability (whether express or implied) for the consequences or events arising out of any revisions to these forward-looking statements after that date.).

The use of any company or platform name or trademark herein (other than in connection with the Community or its affiliates) does not imply any association with or endorsement of these third-party platforms and companies. The specific companies and platforms mentioned in this white paper are for reference and illustration purposes only.