Eoco Token

Virtual reality community and immersive, interactive application ecosystem based on the Metaverse.

Preface

The maturity of blockchain 1.0, represented by Bitcoin, and blockchain 2.0, represented by Ethereum, has moved blockchain beyond the conceptual stage. We have now entered the era of blockchain 3.0. Blockchain 3.0 refers to applications that go beyond currency and finance. It is designed to integrate with real-world applications across various industries, allowing users to experience the true value of blockchain.

The Metaverse can be said to be the hottest concept in the entire blockchain industry—and even in the internet industry—recently. However, it is not a new term born in the blockchain industry; rather, it has entered the blockchain space from the internet world and has spread rapidly alongside concepts like DeFi, NFTs, GameFi, and more.

Simply put, the Metaverse creates an online virtual reality world where people can use VR devices to entertain, play games, work, and socialize in a virtual environment. The term was first coined in Neal Stephenson's 1992 science fiction novel (Snow Crash), where it referred to a state in which the three modes of physical reality, augmented reality, and virtual reality are integrated within a shared cyberspace.

For example, in the movie (Free Guy), a virtual world very similar to the real world can be created with the help of AR, VR, AI, and other technologies. In addition to the physical world, each person has one or more avatars in the virtual world, where they can engage in social activities, entertainment, gaming, work, exhibitions, education, transactions, and more. In virtual reality, participants are necessary to build the environment, so creating participants becomes a key element. To attract more participants into the virtual reality ecosystem, a form of compensation called NFTs has emerged, opening the era of virtual reality.

When the era of virtual reality arrives, we will be able to create our own characters, communicate with friends, and trade using virtual currency. At the same time, assets and influence in the game world will be mapped to the real world, making the two worlds a unified whole.

The Eoco Token team has created the Eoco Token project, a virtual reality community and immersive interactive application ecosystem based on the metaverse, built by gathering the world's top technical teams and community elites.

In the Eoco Token metaverse community ecosystem, users can enter the virtual reality world through an immersive interactive interface. All users can interact with the virtual world through a low-threshold platform, socialize, display, share, trade, and create secondary works. This allows for value transfer in the digital virtual world and creates a dream-like connection with the immersive experience.

Eoco Token will also be committed to creating an Internet of Everything ecosystem based on platform tokens and virtual reality. It will enable virtual and network interconnection through NFT asset transactions, the integration of virtual reality with gaming, shopping, business, advertising, social networking, and more. By combining people, processes, data, and things, the network connections with the metaverse at its core will become more relevant and valuable.

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Chapter 1: Overview of the Project Background

1.1 Blockchain and Crypto Market

Blockchain, a distributed ledger technology, enables all parties involved to establish trust at the technical level and has the potential to become the infrastructure for building a future free-flowing value network—essentially, a value Internet. Although the exact timeline for the widespread availability of the value Internet remains uncertain, current developments suggest that some localized value networks are gradually taking shape. In fact, in specific sectors, several partners or participants within the industry chain are already working together to build blockchain-based trust networks. This value local area network is now in the process of implementation and is no longer just a concept. A possible evolutionary path from the value local area network to the value Internet could follow a trajectory similar to that of the early Internet: initially, it consists of independent local value circulation networks formed by each industry based on its own needs. In the later stages, driven by the demand for cross-industry value exchange, a large-scale, shared value circulation network will gradually emerge.

In 2021, trust has become even more valuable. The global environment has become more uncertain due to the impact of the pandemic, disrupting the existing social order. The international political and economic landscape has undergone major changes, anti-globalization sentiment has spread further, and distrust between countries, as well as vulnerabilities created by the over-concentration of supply chains, have intensified. In this context, the value of blockchain as a mechanism for conveying trust has become increasingly evident.Blockchain technology has naturally demonstrated its ability to convey trust, helping industries achieve digital transformation, build digital economic infrastructure, and unlock data productivity. Its key advantages, including decentralization, equality, resistance to tampering, and transparency, have made it a valuable tool. Over time, blockchain has found its place in distributed business applications that require cross-border, cross-industry, and cross-functional collaboration, with the market size rapidly expanding as a result.

At present, blockchain technology is regarded by many large organizations as a groundbreaking innovation that could completely transform the way businesses and even entire organizations operate. The technical foundation of blockchain is its distributed network architecture. It is precisely because of the maturity of distributed network technology that decentralized, weakly centralized, sub-center, shared, consensus-based organizational and business architectures can be effectively established.

In 2008, the creation of Bitcoin opened the door to the era of blockchain and encrypted digital assets. Due to its disruptive design of "decentralization," blockchain technology has been at the forefront of innovation over the past decade and has been elevated to a strategic priority by countries around the world. Significant progress has been made in the commercial implementation of blockchain across various sectors, including finance, trade, credit analysis, traceability, gaming, and investment. According to CoinMarketCap, as of 2021, there are more than 11,000 types of encrypted digital assets worldwide, with the market capitalization reaching a peak of one trillion US dollars. In comparison, the total market value of encrypted digital assets was just $1.5 billion in April 2013, meaning the market has grown thousands of times over in just a few years.

According to statistics, the number of crypto-asset investors is conservatively estimated to be more than 300 million. Although crypto-assets have made significant progress, there is still vast potential for their growth when we consider the global economy and traditional financial markets. First, the trend of asset digitization has already taken shape. The Internet of Things, big data, artificial intelligence, and asset security needs have all driven the digitization of assets. In the future, all assets will be digitized and can be verified and utilized on the network.

Secondly, the gradual maturity of blockchain technology and cryptocurrency has inspired national economic systems. Currently, many countries have issued national cryptocurrencies. The International Monetary Fund believes that central banks should consider issuing cryptocurrencies, and the United States, China, and the European Central Bank have also been closely monitoring and actively studying cryptocurrencies. The current penetration rate of crypto digital asset investors is still very low. Compared with stocks, real estate, gold, and other investments, crypto digital assets offer greater investment value in the context of asset digitization.

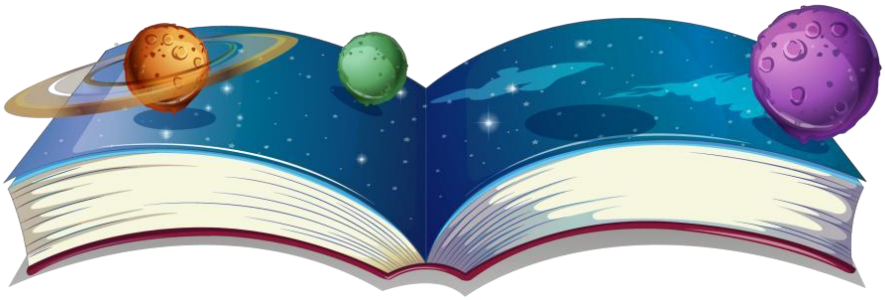
In the digital economy era, cryptocurrency will play an increasingly important role.

- **It can reduce the trust risk associated with funds. Blockchain technology is open-source and transparent. System participants can understand the operating rules, verify the authenticity and integrity of the ledger content, and track the history of ledger construction, ensuring that the transaction history is reliable and tamper-proof. This improves the accountability of the system and reduces its trust risk. For example, blockchain can help prevent the frequent scams and "rug pull" events that occur today.**

- **It can improve the efficiency of fund payments, transactions, and settlements. On the blockchain, the transaction confirmation process also serves as the process for clearing, delivery, and auditing. Blockchain uses distributed accounting, and all transactions are displayed in real-time on a platform similar to a globally shared spreadsheet, enabling real-time clearing and greatly improving efficiency. Blockchain can improve efficiency to the minute level, reducing settlement risk by 99%, thereby effectively lowering capital costs and systemic risks.**

- **It can effectively prevent failures and attacks. The traditional financial model relies on centralized institutions such as exchanges or banks. If the central entity fails or is attacked, it can paralyze the entire network and halt transactions. However, blockchain is supported by many distributed nodes and computer servers on a peer-to-peer network. A problem in any part of the system will not affect its overall operation, as each node maintains a copy of the blockchain data. As a result, blockchain has built-in business continuity, offering extremely high reliability and fault tolerance.**

- **It can improve the level of automation. Since all files or cryptocurrency assets can be represented as code or ledgers, smart contracts and automatic transactions can be executed on the blockchain by setting up data processing programs. For example, smart contracts can embed financial contract terms into an agreement, ensuring automatic execution of the contract and payment in case of default.**



1.2 DeFi, NFT, and Socialfi

NFT, or Non-Fungible Token, is a cryptocurrency that uses blockchain technology and can be considered an advanced version of Bitcoin. In simple terms, an NFT is a virtual asset that stores specific information on the blockchain in an encrypted form to prove the uniqueness of ownership or copyright, and it is bought and sold through online trading platforms. Unlike Bitcoin, NFTs have the characteristics of being indivisible, irreplaceable, and unique. Their records on the blockchain cannot be tampered with or copied, and transaction records are publicly visible, making NFTs resistant to counterfeiting.

Currently, we can clearly see that the primary application areas for NFTs include games, artworks, domain names, collectibles, virtual assets, and real asset tokenization (Security Token Offerings, or STOs). In particular, the markets for digital art and in-game assets have attracted significant attention. Some game items and artworks are inherently unique and indivisible, which aligns well with the concept of NFTs, thus providing a secure way to prove their authenticity and prevent counterfeiting or fraud.

In the context of global digital transformation, NFTs are expected to play an irreplaceable role in the future blockchain ecosystem. They may even become a key driving force and cornerstone for the digital economic transformation of many industries. For exchanges, it is crucial to consider how to seize opportunities within this new trend and leverage NFTs to promote the growth of the digital economy.

The rise of NFTs is closely linked to the growth of DeFi. NFTs are a subset of DeFi, which is a field with great growth potential within the blockchain space. DeFi (Decentralized Finance) refers to financial services and behaviors running on blockchain networks such as Ethereum (ETH) and Binance Smart Chain (BSC). DeFi uses smart contracts to enable digital assets to rebuild traditional financial systems on blockchain networks, creating synergy among various financial applications. Typical DeFi applications include lending, insurance, trading, market-making, quantification, derivatives, bonds, funds, exchanges, clearing and settlement, and more.

In contrast to CeFi (Centralized Finance), DeFi (Decentralized Finance) is characterized by code neutrality, open-source development, decentralized operation, the absence of central supervision, and decentralized autonomy.

• Code-neutral open-source: DeFi projects running on the blockchain operate openly within the blockchain network, and their code is open-source. Every smart contract interaction and open-source code can be browsed at any time on the blockchain.

• Public access to the server: The code of mainstream on-chain projects is audited by code audit firms to avoid backdoors, bugs, and other malicious incidents that could affect the healthy operation of the system. In contrast, most traditional Internet application codes are not fully open-source.

• Decentralized operation: DeFi projects run on mining nodes distributed around the world on the blockchain's main network. This is different from traditional Internet applications, which rely on centralized servers owned by companies. Decentralized blockchain nodes have stronger resistance to risks. As long as mining machines around the world continue to mine and validate transactions on the public chain, the blockchain network can operate normally.

• Decentralized supervision: Blockchain network applications run on countless blockchain nodes, and projects do not need to be reviewed by centralized institutions before being launched on the main network. This makes innovation freer and development faster. The lack of central supervision

has allowed the DeFi network to complete the on-chain reconstruction of the traditional financial system in just six months, while also experimenting with various innovations. On the other hand, decentralized supervision means that investors are less protected. The DeFi network has gradually grown into a decentralized organizational form, despite repeated hacks, vulnerabilities, and other incidents.

• Decentralized autonomy (DAO): Most of the leading blockchain network applications use decentralized autonomy to manage major project decisions and development paths. Any community member can initiate a proposal, and all users holding digital assets can vote to decide the direction of the project's development based on their holdings.

With the prosperity of the NFT and DeFi markets, their integration with new concepts such as gaming, social networking, and the metaverse has also made the implementation of SocialFi possible. SocialFi stands for Social Finance, which is a combination of "social" and "finance" — that is, socialized finance. "Social" refers to behaviors such as content creation, interaction, and interpersonal relationships on social media. "Finance," on the other hand, involves monetizing the value generated by these behaviors through specific channels to generate income. Web 3.0, regarded as the next breakthrough for the Internet alongside blockchain technology, is defined by its decentralization. This means that every user has ownership of their own data, which is no longer monopolized or controlled by centralized Internet giants, thus creating a new Internet that respects the concept of "each individual's value.

With the development of virtual reality and other related technologies, SocialFi may also give rise to more innovative models and gameplay beyond platforms like Facebook, Twitter, and Instagram, meeting the needs of creators and creating an unprecedented social world.

1.3 Overview of the Birth and Application of the Metaverse

The concept of the metaverse (Eoco) originated from science fiction and points to the "ultimate form" of the Internet. The word Eoco comes from the science fiction novel Snow Crash by writer Neal Stephenson, which describes a world where people interact with various software in three-dimensional space using virtual images. Wikipedia describes the metaverse as: a 3D virtual space based on the future Internet with linked perception and sharing characteristics, presenting convergence and physical persistence through virtual-enhanced physical reality. Conceptually, the word Eoco consists of Meta and Verse. Meta means transcendence, and Verse represents the universe, which typically refers to the concept of "transcendence of the universe"—an artificial space running parallel to the real world.

Looking back at the development of the Internet, from PC LAN to mobile Internet, the immersion of Internet use has gradually increased, and the distance between the virtual and the real has narrowed. Under this trend, virtual reality, where immersion and participation have reached their peak, may be the "ultimate form" of the Internet.

Technically, based on the traditional Internet, Metaverse VR has set higher requirements in terms of immersion, participation, sustainability, etc. It will therefore be supported by many independent tools, platforms, infrastructure, protocols, etc. With the improvement of technologies such as AR, VR, 5G, and cloud computing, VR is expected to gradually move from concept to reality. From a functional perspective, VR is a three-dimensional space that supports virtual activities, where users can engage in social and spiritual activities such as socializing, entertainment, creation, display, education, and trading. VR provides users with rich consumer content, a fair creation platform, a reliable economic system, and an immersive interactive experience. VR can sustain people's emotions and provide a psychological sense of belonging. Users can experience different content in Metaverse VR, make friends in the digital world, create their own works, and participate in social activities such as trading, education, and meetings.

With the iterative development of VR devices, the Internet of Things, and artificial intelligence, humans will one day open the door to a parallel world through the virtual reality of the metaverse. As a parallel digital space-time to human society, we believe the metaverse has the following characteristics:

1) It should be extremely convenient to use

In the future, 80% of human life—work, study, and social activities—will take place in the metaverse, and eventually, the metaverse will be fully integrated with the real world. To achieve this, people must be able to use and participate in it effortlessly, much like using a mobile phone, or even as naturally as talking and breathing.

2) Immersive experience

An immersive experience is the feeling of being fully present in the scene, where the boundary between the virtual world and the real world becomes almost indistinguishable. In this space, the virtual and the real coexist and merge. It's similar to the scene in the movie Ready Player One—when you put on a VR device, it's like traveling through a time tunnel to another time and space, beginning a completely different life.

3) Social Entertainment Network

Without social interaction, it cannot be considered the metaverse. Social networks are the defining characteristic of the metaverse. As social beings, humans have always been interconnected since primitive times, and this interconnectedness has been a driving force behind human progress. Only through communication and exchange can ideas be sparked, and human civilization advance.

4) Economic System

Economic activities are the foundation of society. As a virtual society, the economic system of the Metaverse is crucial. The key elements supporting the Metaverse economic system include: digital creation, digital assets, digital markets, and digital currencies. Decentralized creation, specifically UGC (user-generated content), forms the foundation of the Metaverse economy by generating digital assets that can circulate within the Metaverse. Digital assets refer to digital products with clear ownership, which are traded in the digital market. The digital market has established a comprehensive market mechanism that participants must follow. Digital currency serves as the transaction medium and is the core of the entire Metaverse economic system.

5) Civilization

The ultimate goal of the metaverse is to form its own civilization system. 'Civilization' refers to the sum of humanistic values and inventions accumulated throughout human history that help us understand and adapt to the objective world. It aligns with human spiritual pursuits and is recognized and accepted by the majority of people. Civilization encompasses all human social and natural behaviors. These elements include, at a minimum, family, tools, language, writing, religion, cities, villages, and countries. The metaverse is not unique in this regard. In the process of coexistence, residents of each metaverse set common rules, create various digital assets, establish different organizational structures, and gradually evolve into a civilized society. Different metaverses form different civilizations, similar to the way Chinese, Indian, and Arab civilizations developed in human history. Together, these diverse metaverse civilizations will constitute a vibrant future world.

1.4 Integration of Blockchain and Metaverse Scenarios

With the upgrade and iteration of underlying blockchain technology, it will provide more stable support for the realization of the metaverse space. Blockchain can solve the problems of Identity and Economy; VR can address the issue of Immersion; 5G and cloud computing can solve the challenges of Anywhere and Low Friction; and open UGC content production and game modes provide solutions to the problems of Variety, Civility, and Friendships, which together form a complete metaverse solution. The value of blockchain in empowering the metaverse is now:

1) Payment and settlement systems

The basic characteristics of blockchain include tamper-proof security, openness and transparency, and P2P payment. In virtual reality, the economic system will be key to achieving large-scale and long-term operation. Blockchain technology, due to its inherent characteristics of 'decentralized value transfer,' will provide virtual reality with a payment and settlement system that seamlessly integrates with the network's virtual space.

2) Smart Contract Deployment

Due to the open and transparent nature of the blockchain network, smart contracts possess excellent characteristics such as automation, programmability, openness, transparency, and verifiability. These features enable trusted interactions to take place on the blockchain without the need for a third-party verification platform. If the financial system in virtual reality is built on blockchain, smart contracts can decentralize agreements in a programmatic, non-custodial, verifiable, traceable, and trustworthy manner. This would significantly reduce harmful behaviors such as rent-seeking, corruption, and shady operations that may occur within the financial system. Smart contracts can be widely applied in finance, social networking, gaming, and other fields.

3) NFT Non-Fungible Tokens

As mentioned above, the biggest feature of NFTs is that they are both indivisible and unique, making them ideal for marking exclusive and indivisible rights and assets, which can be freely traded and transferred. Virtual reality is a highly interconnected virtual and real world, with a closed-loop economy built on an open-source platform.

Although there is no detailed description of the final form of virtual reality in the industry, by refining its characteristics, we can still identify the four core attributes of virtual reality:

• Synchronous and realistic: Virtual space is highly synchronized and interconnected with the real world, with interaction effects closely resembling reality. A synchronous and realistic virtual world is the fundamental condition for the formation of virtual reality, meaning that all events occurring in the real world will be mirrored in the virtual world. Users will receive feedback information that closely resembles reality when interacting in virtual reality.

• Open source and creation: Open source refers to both open-source technology and platforms. Virtual reality encapsulates and modularizes the code to varying degrees by formulating "standards" and "protocols." Users with different needs can create within virtual reality, forming a native virtual world and continuously expanding its boundaries.

• Sustainability: The virtual reality platform will not "pause" or "end," but will run in an open-source manner and continue indefinitely.

• Closed-loop economic system: The production and work activities of users will be recognized in the platform's unified currency. Players can use this currency to consume content within the platform and exchange it for real currency at a certain ratio. The economic system serves as the engine that drives virtual reality to continue advancing and developing.

We believe that the integration of blockchain technology and virtual reality can create the ideal environment for the realization of the metaverse. This would include an extremely immersive experience, a social system beyond time and space, a rich and diverse content ecosystem, an economic system that bridges the virtual and real worlds, and a massive digital community that reflects real human social civilization.

Chapter 2: Eoco Token Project Overview

2.1 Introduction to the Eoco Token Metaverse Community

Eoco Token, referred to as Eoco, is a It aims to provide an open interface for immersive interaction through the construction of the Metaverse virtual reality community and to conduct digital twins with offline entities, thereby achieving the goal of one household and one universe.

At the same time, Eoco Token is also the core digital asset of the XVNCOIN platform, which was first launched in September 2023. The XVNCOIN platform has built the most secure, stable, and efficient digital currency value network for global users and provides the best digital currency trading services. In terms of business layout, XVNCOIN is based on spot trading, options trading, and contract trading. It also offers value-added services such as financial management and an integrated NFT marketplace, gradually expanding into a comprehensive trading ecosystem that connects and extends various trading entities. This ecosystem aims to create a highway for value networks to meet the diversified needs of global users, facilitating the rapid circulation of information and value, while expanding transaction speed and breadth.

In the Eoco Token Metaverse community, an immersive interactive space that fully maps and replicates the social, entertainment, business, shopping, and gaming attributes of offline entities can be built. The world's most advanced 3D creation engine is used to design various virtual world scenes that replicate the real world, such as cities, streets, real estate, and shopping districts. The visualization effect greatly enhances the user experience, allowing people to immerse themselves in different scenes within this space. The Eoco Token Metaverse community aims to create the ultimate virtual reality center, focusing users in an engaging environment where they can access encrypted information and immersive content in one place. Users can obtain various blockchain education resources, virtual business opportunities, realistic gaming experiences, and much more through these virtual reality experiences. The community will provide users with opportunities for immersive participation in community interaction, sharing, trading, and creation via virtual IPs and self-developed personalized avatars.

• Interaction: VR and AR rendering allow users to view more detailed and realistic IPs. AR supports virtual objects attached to the real environment, providing a virtual and real experience similar to the movie Ready Player One; virtual characters are projected into real life to complete preset actions and interact with elements in the real environment.

• Creation: Users can customize virtual characters in the Metaverse. For example, they can dress a virtual avatar in a virtual scarf they purchased, creating a unique character with matching personality traits. This secondary creation product also includes an NFT anti-counterfeiting certificate.

• Sharing: Users can project the virtual IPs they purchased into the real world through AR. They can interact with the virtual image, take photos or videos, and publish the content in the community. Additionally, they can share their secondary creation products in the same way.

• Trading: Cooperative virtual IP holders, including both companies and individuals, can list and trade goods on Eoco Token. In the future, Eoco Token will also create more SocialFi scenarios with immersive experiences, such as virtual land and virtual exhibitions. Virtual goods can be sold on virtual land by registered enterprises. To obtain the qualification to sell, enterprises must lease land within the virtual world.

Eoco Token will make the experience in the Metaverse community more realistic and engaging. In these applications, Eoco Token will integrate virtual reality with the physical industry. Users will be able to experience the same things as in the real world and visit all the places they want without

leaving home. At the same time, NFTs from different projects can be connected to our parallel world. We only support 3D characters and commodities.

In the exploration of the Metaverse, Eoco Token will start with the first stage of interaction through mouse and keyboard devices, as well as touch operations to control computers, mobile phones, and other devices. The second stage will involve interaction through gesture recognition, voice commands, and other technologies for human-computer interaction and intelligent experiences. The third stage will feature full-body tracking and sensing through virtual reality (VR) and augmented reality (AR) technologies, offering an even better immersive interactive experience, and gradually enabling Eoco Token to change the world.

As the key to unlocking the virtual reality world, VR/AR and other devices are becoming the best carriers for presenting the Metaverse. In the 5G era, cloud technology and AI provide the technical foundation for the unlimited growth of virtual reality. The immersive experience offered by the Metaverse has the potential to change the form of the internet. As the infrastructure for building the Metaverse continues to improve, its arrival will be faster and faster. In fact, the prototype of the Metaverse, based on existing infrastructure, has already begun to take shape.

With this foundation, the application of the Eoco Token Metaverse virtual reality world will gain even more support. As a benchmark for the Metaverse, Eoco Token will provide support for technology landing scenarios, including VR, AR, MR, XR, ER, and more. At the same time, it will offer open interfaces to create a technical foundation for third parties to quickly apply the Metaverse, thus driving the accelerated arrival of the Metaverse virtual reality era.

2.2 Eoco Token Development Goals

Eoco Token will be based on blockchain technology and use the Metaverse as its platform to create an open, circulating community-incentive value closed-loop economy, where value can be created, circulated, transferred, and converted both inside and outside this economy. To achieve this, Eoco Token will be committed to the following goals:

• Decentralized Ecosystem: The "discovery" and "dissemination" of the value of the Eoco Token Metaverse community are primarily carried out by users and governed by rules based on trusted smart contracts. Driven by transparency and new profit distribution mechanisms, everything will operate in the most efficient way.

• Free Circulation of High-Quality Assets: Consensus makers, participants, developers, promoters, and investors in the Metaverse community are no longer bound by the platform, and there is no distinction between high and low ecological roles.

• Roles Can Invite and Motivate Each Other: Roles can invite and motivate one another. Benefits become direct, the return cycle for participating in various activities within the Metaverse community shortens, and the enthusiasm for the project is ignited.

• NFTization of Metaverse Virtual Assets: NFTs and blockchain encryption primarily address the issues of scarcity and uniqueness of digital assets, digital property rights, large-scale coordination across virtual environments, and systems to protect user privacy. In the Eoco Token ecosystem, everything can be an NFT. NFTs will bring digital uniqueness and verifiability to the Eoco Token ecosystem, completely revolutionizing various aspects of virtual reality in the Metaverse and adding significant independence and uniqueness to the ecosystem. NFTs enable the Eoco Token Metaverse to exist in an open, trustless form and facilitate decentralized ownership.

• Eoco Token Incentive System: The system introduces participants, gamers, and users into the Eoco Token incentive and transaction system, encrypting user privacy data through cryptography. Users contribute data and attention time to the Eoco Token ecosystem. Data transactions are carried out through wallets, and users receive corresponding Eoco tokens as rewards.

• Creating a Decentralized Community Autonomous Organization in the Metaverse: In this organization, all members will form a data-sharing and open platform based on fair, transparent consensus rules and trusted cryptographic and mathematical algorithms, thereby enabling data sharing, openness, trading, and monetization of different vertical applications within the Metaverse.

The Eoco Token platform needs a fulcrum, which will be based on a token that can be recognized globally. This token can only be used in the real economy once it holds certain value. Therefore, we issued a high-value token, the Eoco coin, and promoted it through an advanced and rational token distribution model to achieve the interconnection of the Metaverse with the community and the physical world across multiple scenarios. Our goal is to change human concepts, make NFT and Metaverse concepts serve both online and offline industries, and drive innovative changes.

2.3 The Operating Model of the Metaverse Community

The Eoco Token Metaverse community operates in DAO mode, using decentralization to balance the power among stakeholders.

DAO (Decentralized Autonomous Organization) refers to a decentralized autonomous organization. The concept was first proposed by Ethereum founder Vitalik Buterin. The first DAO project was EocoToken DAO (a decentralized foundation that invests in promising Ethereum projects). Simply put, a DAO must meet three key characteristics: decentralization, autonomy, and organization.

Decentralization means that a DAO must be built on a public blockchain to avoid the monopoly and concentrated power that come with centralized control at a technical level.Autonomy means that the development and rule-making of the project are fully controlled by community members. Community members can propose changes or new initiatives. Once a proposal is voted through, it is automatically enforced, and all members have governance rights over the project.Organization means that a DAO does not need to be operated by a company or institution. People come together through community consensus and work toward a common goal.

1) Eoco DAO

Eoco Token is a project led by a completely autonomous community. Under the leadership of DAO, it has achieved full decentralization and a high degree of community consensus. The new decentralized autonomous organization initiated by Eoco Token belongs to the category of dedicated DAOs. The community has strong consensus and is 100% self-managed. After the project goes live, the community will vote to develop its own decentralized applications (DApps).

The global community development of Eoco DAO follows a high degree of decentralization and is carried out through a combination of on-chain and off-chain models. Once all the programs for Eoco DAO are successfully set, it can begin to operate according to the original rules. During its operation, it can continuously maintain and upgrade itself based on actual conditions. Through its ongoing self-improvement mechanism, it not only eliminates trust issues but also achieves an unprecedented level of collective coordination, forming the technical foundation of Eoco DAO.

• Smart contracts make the rules of Eoco DAO technically feasible.

•The Eoco token economic model provides a realistic incentive structure for the distribution of benefits within Eoco DAO.

•Blockchain technology connects individuals and organizations around the world, enabling Eoco DAO to expand beyond geographical restrictions.

Eoco tokens are used as proof of value circulation and incentives, while smart contracts define member collaboration and benefit distribution models. There is no clear division of roles among members, such as investors, developers, collaborators, operators, and consumers—all of whom become part of the community by holding tokens. Members can continuously optimize the contract structure, seek the most efficient path, and maintain effective collaboration and better development direction.

2) The value of Eoco DAO

As a decentralized autonomous organization, Eoco DAO is a technical system written in code and running on the blockchain. It is also a new type of governance structure that achieves openness, fairness, and autonomous operation without human intervention or the need for a legal entity.

• Maximize the use of resources: Eoco DAO stores all content in a decentralized storage network that is open, transparent, and tamper-proof. Anyone can review rule changes and other project details, and dispatch resources in a timely manner without wasting time on reviews.

• Achieve innovative development: Members of Eoco DAO can share their opinions on the blockchain at any time, where they can be seen by others. Users can more conveniently and timely participate in Eoco DAO's development, promoting innovation and progress in the project.

• Improve the credibility of results: The use of Eoco DAO's distributed ledger ensures that every vote is truly and publicly recorded on the blockchain, eliminating the need for manual counting to produce election results, making the process both timely and credible.

Eoco DAO will be the core driving force behind the governance and development of the Eoco Token ecosystem. Eoco Token aims to stimulate the community's initiative and mobilize high-quality resources in a democratic, collaborative, and transparent manner to promote the construction of a decentralized, positively driven autonomous system. At the same time, the Eoco DAO Management Committee has been established to oversee all Eoco DAO affairs.

Members of the Eoco DAO Management Committee can not only contribute to the development of Eoco Token but also earn additional profits through the implementation of proposals. The Eoco DAO Management Committee has no hierarchical structure— all members are equal, and their interests align. Only by jointly promoting the value growth of the Eoco Token ecosystem can the interests of all members be served, forming a virtuous cycle in the Eoco Token governance ecology.

2.4 Service support for users

In the Eoco Token Metaverse parallel world, users have the opportunity to experience more than just gaming, shopping, socializing, trading, investing, and more. Unlike using traditional devices like mobile phones or laptops to access virtual reality, the Eoco Token Metaverse offers richer, more immersive scenes. In the Eoco Token Metaverse, users can travel through time and space, visiting both ancient times and the future. Additionally, the Eoco Token Metaverse will provide new opportunities for participation, including learning and education, earning money, gaming, and content creation.

1) Study and education

For many participants, crypto can be a challenging industry that requires a deep understanding and knowledge of many areas. With the goal of "self-education in the crypto world," the Eoco Token Metaverse has established connections with various top platforms, becoming an open center for users to learn more about the crypto industry.

Not only that, with Eoco Token's virtual reality, remote conversations can become interactive, virtual in-person experiences. Colleagues can meet in a virtual conference room (or office) within an Eoco Token skyscraper, instead of just connecting by phone. Imagine walking into a venue and meeting Vitalik Buterin or other industry bigwigs in the lobby, rather than just seeing their faces on a screen. It may even be more realistic than you think.

2) Make money and profit

Eoco Token will become a platform that provides users with opportunities to earn money. All users can purchase virtual properties in the virtual reality world and profit through staking, advertising, and other forms of passive income. Users can trade and rent virtual properties, which will encourage them to speculate on virtual real estate, resell it for profit, or rent it out for passive income. Additionally, when partners place advertisements on Eoco Token, platform token holders will also receive a share of the advertising fees.

3) Games

Games are an important part of the user experience. Through the Eoco Token Metaverse, users can play games, entertain friends, and build networks from a truly immersive first-person perspective. The top layer will invite players to participate in the game and compete for platform token rewards.

4) Content Creation

In the Eoco Token Metaverse, users can access builder tools to create their own scenes, artworks, and challenge events that reward token prizes. For more experienced creators, the software development kit (SDK) also supports the creation of social games and applications.

With the advent of the post-pandemic era, more and more scenes and use cases from the physical world will move online. As people continue to invest more time and energy into the virtual world, user habits will gradually shift toward the online space, leading to changes in production and lifestyle that may not be immediately noticeable. The recognition of the value of the virtual world will continue to grow, paving the way for the Eoco Token Metaverse to be realized on both technical and cultural levels.

2.5 Eoco Token's Landing Support

As a practical metaverse ecosystem application platform, Eoco Token also provides an open interface, offering a series of technical and functional features to support the value mapping between the real world and the virtual world. It provides a feasible implementation path for exploring and realizing value mapping as quickly as possible. Therefore, Eoco Token has built a universal, fully functional, high-performance, easy-to-use, user-friendly, and scalable infrastructure based on NFT and metaverse theory to create an ecosystem that supports various on-chain applications.

The blockchain network supported by Eoco Token is not only a technology but also a service model and solution, playing an essential role in promoting the further development of the Internet industry. The future will be the "Internet of Everything + Internet of Chains." Eoco Token is driving the arrival of the Internet of Everything era in the Metaverse, supported by strong technology, resources, governance, and community. Thanks to its continuous development and innovation, extensive commercial applications, and refined governance, Eoco Token is competitive in the following areas:

- Technology: Eoco Token has mature and powerful technical support. It has accumulated extensive industry and technical experience in multiple fields, including blockchain, the Internet of Things, artificial intelligence, NFTs, the metaverse, VR/AR, and has achieved industry-leading breakthroughs in the development and application of blockchain underlying technology. The Eoco Token team brings together senior experts from multiple industries, with many years of practical operational experience and deep insights into industry development.

- Industry resources: Eoco Token will sign strategic cooperation agreements with leading companies in the target industry, providing strong support for Eoco Token's entry into the target market and promoting the actual implementation of Eoco Token's NFT + metaverse applications.

- Business governance: Unlike typical projects, Eoco Token has a clear and well-defined strategic plan for the target industry and continues to foster the prosperity of a free, fair, and high-value ecosystem through an autonomous community. Eoco Token is more focused and professional in using the distributed decentralization, immutability, and encryption security of blockchain technology, as well as the point-to-point transmission of value, to penetrate the target industry and quickly capture market share.

- Fund management: Eoco Token's fund management will be led by Eoco DAO, adhering strictly to the principles of fairness, justice, and openness, with the development of Eoco Token as the primary goal. An investor protection fund will be established to specifically safeguard the security and sustainability of funds. The use of all Eoco Token funds will be disclosed regularly to investors to ensure transparency in fund usage.

- Development space: Eoco Token's target industry is a trillion-dollar market. The development team will effectively manage operations, including code management, financial management, salary management, and privileged operation areas, by establishing a comprehensive governance structure to ensure sustainable growth.

To sum up, with the support of its core competencies, Eoco Token has a clear commercial logic, with each technical component and organizational structure having a strong, targeted, and logical foundation. On this basis, it proposes many modular and adaptive technical solutions and mechanisms.

Chapter 3: Eoco Token Technical System

3.1 Underlying System Architecture

With the support of Ethereum technology, the Eoco Token Metaverse is built on six layers of infrastructure: the data layer, network layer, consensus layer, incentive layer, contract layer, and application layer.

1) Data Layer

Based on the high-redundancy storage mechanism of blockchain, blockchain storage can impact scalability and performance. The Eoco Token framework is designed with a multi-level node system, where different storage strategies are selected based on the specific applications of each node (distributed accounting).

2) Network layer

The P2P protocol supports data transmission and signaling exchange between nodes in the blockchain network. It serves as a key communication mechanism for data distribution and consensus. The Eoco Token system design supports the configuration of multiple P2P protocols, communication mechanisms, and serialization strategies, with flexible protocol usage depending on different scenarios. In terms of communication security, the system supports protocols such as HTTPS, TLS, and WSS (Secure WebSockets). When the platform's external service interface needs to be established, it can be extended to support OAuth authentication integration.

3) Consensus layer

With the support of Ethereum technology, the Eoco Token consensus algorithm integrates the advantages of various mechanisms, creating a new consensus system. As a result, Eoco Token exhibits high performance and consistency, making it well-suited for mining, payments, and transaction data that are frequently generated, as well as for upper-layer applications with weak centralization and high real-time accounting requirements.

4) Incentive layer

Eoco Token not only offers airdrops as Genesis consensus rewards, but also features a liquidity mining pool for long-term network value maintenance. Due to Eoco Token's unique consensus mechanism, performance remains unaffected by the number of nodes, meaning there is no upper limit on the number of consensus nodes. This process occurs dynamically, allowing anyone to join at any time and earn rewards.

5) Contract layer

Eoco Token provides complete and controllable process management for the submission, deployment, use, and cancellation of smart contracts. It also integrates a permission management mechanism to offer comprehensive security for the various operations of smart contracts.

6) Application layer

The application layer will provide a universal transaction protocol, support multi-language integration and functional expansion, and be compatible with multiple languages such as Java, JavaScript, Python, and more. It will also be fully applicable to the expansion of the Eoco Token network.

3.2 Application Development Architecture for the App

The Eoco Token application is developed based on the MVVM architecture, which can effectively handle increasingly complex demand changes, allowing for quick iteration of specific functions without affecting the operation of other modules.

The front end uses Core Data relational data, as recommended by Apple, while the server utilizes ORM (Object-Relational Mapping) to accurately connect with the front end via Redis and PostgreSQL databases. 3D and AR are core functions of the app. The display technology leverages Apple's official RealityKit, combined with the powerful front-end display capabilities of ARKit and SwiftUI, enabling developers to create advanced augmented reality features such as hyper-realistic physics-based rendering, skeletal animation, spatial audio, and rigid body physics—without compromising image quality, camera effects, animation, or physical special effects.

At the application layer, Eoco Token adopts a top-down design approach, beginning with the design of blockchain protocols to address data standardization and multi-chain interoperability issues. Next, it defines a general component model for blockchain systems, allowing for loose coupling and pluggability of specific functional components to facilitate custom expansion based on specific needs. Finally, based on these standardized blockchain protocols and component models, it provides a specific virtual reality platform implementation, along with related tools and development kits, to enable the rapid development of commercial-grade virtual reality applications.

1) Blockchain Protocol

As the top-level architectural design, the Eoco Token application app system protocol defines the blockchain data format standards, including four key aspects: ledger status, historical proof, ledger operation set, and contract instruction set.

2) Component Model

The 'component model' is the framework for the blockchain logic components and the implementation framework for Eoco Token's underlying system protocol. It consists of four components: the consensus network, ledger, persistence engine, and contract engine.

3) Service Model

The 'service model' is a specific implementation of the higher-level blockchain protocol and component model. It consists of a gateway, services, node network, SDK, and a set of tools.

3.3 Ledger Protocol

The ledger protocol is a standard model defined from the perspective of data, which includes two key aspects of definition:

The standard format of ledger data consists of two parts:

- 'Ledger status' refers to the current real-time data content.
- 'Historical proof' refers to the characteristics of the ledger data and the history of data changes.

The standard format of instructions for reading and writing ledger data consists of two parts:

- The 'ledger operation set' defines the standard representation of write operation types for ledger data and the standard format for their parameters.
- The 'contract instruction set' defines the standardized format for contract language instructions.

The purpose of defining the ledger protocol is to ensure that data on the blockchain can be exchanged, verified, stored, and used in a standardized manner across different blockchain networks, regardless of the specific data storage implementation.

1) Ledger status

The word 'state' here is a concept from the computer field, referring to the state of the blockchain system at a given moment. It consists of the business data stored by the system and the control properties of the system's operation.

The 'ledger status' of the Eoco Token underlying system consists of 'identity,' 'KV data,' 'authority,' and 'contract code.'

- "Identity" is represented by a "blockchain address" and the corresponding asymmetric key pair or certificate.

- "KV data" is the form of ledger data representation, uniquely identified by a key (Key) and recorded by a value (Value).

- "Contract code" represents the logic of state changes, expressed as a sequence of contract instructions.

- "Permission" is the access control code of an "identity" to "KV data" and "contract code."

2) Ledger Operation Set

The "ledger operation set" is a standardized set defined to achieve cross-chain interoperability, including standard codes for "types" and standard formats for "parameters." Typical operations include:

- Identity registration
- Reading and writing state data
- Contract deployment
- Contract calls
- Permission settings

3) Contract instructions

The blockchain defines the control and conversion logic of the business state in the form of contract language. By designing a standardized contract language instruction set, various complex business logics can be expressed in a universal way, independent of any specific programming language. On the one hand, following the standard contract instruction set ensures good versatility for the blockchain system; on the other hand, developers can write smart contracts in different programming languages, reducing the learning threshold and meeting the technical stack requirements of different teams.

3.4 Component Model

The "component model" is a logical design for functional modules and a framework for implementing the ledger protocol. It defines the standardized interfaces of the components, ensuring that a blockchain system following the component model has the characteristics of loose coupling and pluggability.

1) Consensus Network

Currently, typical consensus algorithms include PoW, PoS, PBFT, Raft, Paxos, and others. A comparison of these algorithms reveals that they can be broken down into the following stages during operation:

- Transaction diffusion
- Transaction sorting
- Calling the transaction execution program
- Reaching consensus on the transaction execution results
- Submitting the consensus results

The differences between various consensus algorithms are reflected in the different implementation strategies adopted at each stage.

- PoW and PoS algorithms do not use the atomic broadcast protocol when propagating and sorting transactions. Instead, they randomly select leader nodes to perform sorting, which may result in transactions being randomly discarded.
- Raft and Paxos algorithms atomically broadcast and sort all transactions, but they do not handle Byzantine faults during the consensus process.
- PBFT algorithm atomically broadcasts and sorts all transactions, handles Byzantine faults during the consensus phase, and does not support dynamic node adjustments.

We begin with the characteristics of industry-oriented commercial application scenarios and select the PoW+PoS mechanism. We then optimize it to provide deterministic transaction execution, Byzantine fault tolerance, and dynamic node adjustment. The consensus network component of Eoco Token is designed using a modular approach, encapsulating the above general stages and abstracting an extensible standard interface.

2) Ledger and Contract

The ledger state is separated from the contract, and access to the state by the contract is constrained by an identity-based access control protocol. This design pattern of separating data from logic follows a typical anemic model, which provides stateless logic abstraction for the upper-level business logic.

3) Persistent Storage

Defining the persistence format of ledger information as a more concise KV format allows the use of

mature NoSQL databases for persistent storage. With current, mature mass data storage solutions based on NoSQL databases, the blockchain system can support massive transactions.

4) Contract Engine

The contract engine consists of two parts: the front end, which includes the contract high-level language specification and its toolchain, and the back end, which is a lightweight contract intermediate code execution environment. All operations on the ledger are implemented through the API provided by the ledger component.

3.5 Service Model

The service model functional modules of Eoco Token are divided into four parts: the blockchain gateway, the blockchain node service, the blockchain consensus network, and supporting tools.

1) Blockchain Gateway

The "Blockchain Gateway" is designed as a lightweight system, typically deployed in the network environment of participants, and provides functions including:

• Private key management: Provides fully localized private key storage.

• Privacy protection: Uses end-to-end encryption for privacy protection.

• Protocol conversion: Offers a lightweight HTTP Restful Service, compatible with the blockchain node API of the TCP protocol.

2) Blockchain node service

The general functional components for applications are provided based on the blockchain's basic network. The goal is to enable the reuse of common functions, including:

• Application-specific account management

• Account authentication and authorization

• Object-oriented ledger data access framework

• Event notification system

• Smart contract management

3) Blockchain consensus network

A network of consensus nodes, based on a P2P network and consensus algorithm, ensures that transaction data remains consistent across nodes.

4) Tools

A supporting toolset that includes an SDK, data management tools, installation and deployment tools, and monitoring services.

3.6 Platform Performance

The underlying system of Eoco Token supports the dynamic adjustment of network topology, enabling the dynamic addition and removal of nodes. At the same time, users can choose a non-Byzantine consensus protocol with better performance based on their specific needs, improving the overall efficiency of the blockchain. To accommodate diverse business scenarios, meet information security requirements, and enhance business throughput, the Eoco Token underlying system supports a multi-chain architecture. Unrelated business operations run on multiple parallel blockchains, providing Eoco Token with the ability to scale linearly. For interoperability between chains, Eoco Token uses a relay chain model, where all parties involved submit proposals to the relay chain nodes, and the results are confirmed through consensus.

Eoco Token adopts a microservice architecture that supports horizontal scaling and dynamic expansion, enabling massive transaction processing and data storage. Through testing and analysis, it was found that performance bottlenecks occur in the password and contract modules within the consensus node when processing large volumes of transactions. To alleviate this issue, the password and contract modules have been split into separate stateless microservices. This allows these microservices to be horizontally scaled in a targeted manner when handling massive transactions.

As the volume of data increases, the performance of the K-V database will gradually decline, and this trend will become more pronounced. To address this, the K-V storage module in the consensus node is abstracted as a microservice. An API gateway is implemented using the consistent HASH algorithm to enable dynamic routing for storage and synchronize data for new nodes.

- Adopt a flexible data storage structure to support the separation of hot and cold data.

- Support dynamic node joining and exiting to ensure high availability and uninterrupted business operations.

3.7 Underlying System Functions

Eoco Token adopts a general event-driven model framework, integrating AKKA's Actor model to provide a higher level of abstraction for the concurrency model. It uses lightweight transaction processing to achieve fine-grained component reuse at the event level.

Additionally, Eoco Token employs a message queue and cache method to quickly address abnormalities in business processing. It also utilizes various monitoring mechanisms to respond to abnormal business activities in a timely manner.

- Support real-name authentication for users
- Support enterprise-level data governance
- Support an event-driven business collaboration model
- Support multiple ledgers to manage on-chain data by business dimension

1) Ecological security

- Pluggable cryptographic algorithms allow for flexible formulation of corresponding cryptographic systems.
- The platform implements multiple cryptographic algorithms by default, including national cryptographic standards and hardware encryption devices.

2) Smart Contracts

- Supports reusable smart contracts.
- Supports debugging functions for smart contract languages.

3) Application compliance

- Supports CA-based account authentication.
- Supports access to regulatory nodes.
- Supports data filing.

3.8 Improved NFT Asset Protocol

1) Improved Non-Fungible Token (NFT) Data Structure

Non-fungible digital assets (NFTs) are a type of digital asset used in distributed ledger networks. Each asset instance is unique. By optimizing the structure of NFTs, they can be used more flexibly in blockchain-based online games.

Eoco Token redesigns the data structure and adds custom data storage to accommodate potential game data and extended content. At the same time, key processes such as consensus, witnessing, and block generation are adjusted accordingly to align with the new data structure. The prop data in Eoco Token is fully recorded in the block data only when it is generated or when its attributes change. During regular transactions and circulation, only hash pointers are recorded to ensure that the volume of block data does not grow too quickly due to long-term transactions.

2) Data separation between assets and contracts

Fungible and non-fungible assets (NFTs), as well as smart contract data, are stored separately on the chain. There will be a large number of ongoing transactions in the Eoco Token network, and the computing cost of asset parsing and circulation needs to be minimized as much as possible. The separation of assets and contracts allows for the independent parsing and execution of contracts, as well as the uploading of necessary results to the chain.

Under the design that separates asset and contract data storage, the asset owner has full authority over the asset, and asset operations can only be completed with the owner's authorization. This helps prevent situations where asset properties are destroyed or others' assets are accessed by modifying the contract content due to the lack of separation between asset and contract. It also makes cross-chain acceptance of non-fungible assets (NFTs) easier, as it eliminates the need to consider contract-related constraints. Therefore, the separation of assets and contracts is a safer design.

3) Security Guaranteed by Modern Cryptography

The full name of the ECC algorithm is Elliptic Curve Cryptography, which was proposed by Neal Koblitz and Victor Miller in 1985. Modern cryptography is a technology based on mathematical principles and has been widely used across various industries in the Internet field. Common symmetric encryption technologies include AES encryption, which is used in Wi-Fi, and asymmetric encryption algorithms (public-private key cryptography) such as RSA and ECC. Among these, ECC (Elliptic Curve Cryptography) is a commonly used encryption algorithm in the blockchain field.

These algorithms use mathematical principles to design an encryption and decryption system with such high computational costs that it prevents the encryption from being cracked. Without the correct key, any attempt to break these encryption algorithms becomes impractical due to the vast amount of calculations and the long implementation time (usually taking nearly a hundred years to try to crack or guess the key system)

3.9 Eoco Token Technical Advantages

Eoco Token aims to build a virtual reality application platform that bridges physical world assets, allowing users to combine the metaverse with virtual reality and create their own wealth empire in the virtual world. To achieve this vision, Eoco Token has made corresponding advancements in both the underlying design and top-level application adoption.

1) Fast verification within seconds

By optimizing key components such as the signature algorithm, ledger structure, data operations, serialization, consensus mechanism, and message diffusion, Eoco Token will achieve fast verification in seconds, ensuring a smooth user experience in most physical scenarios under blockchain applications.

2) Storage of massive financial data.

The blockchain's duplex accounting model has accumulated a large amount of data with the continuous use of the system, causing the running speed to slow down. Eoco Token will implement a separate storage and table storage mechanism to handle massive data storage.

3) Throughput improvement

The essence of blockchain is distributed shared accounting technology, and its distributed characteristics are primarily reflected in distributed consistency, rather than in distributed concurrent processing. To ensure data consistency and prevent the Byzantine Generals Problem, certain specific tasks must be executed serially, not in parallel. Through long-term testing and optimization, the processing performance of Eoco Token will significantly improve throughput.

4) Fast synchronization of node data

Eoco Token will develop a mirroring mechanism that regularly mirrors the local ledger to provide a convenient rollback feature. Under a unified consensus, a mirror tag can be specified for rollback. At the same time, the process of adding new nodes to the network is accelerated. Only the latest mirror and a small set of recent transactions need to be synchronized to integrate into the network and participate in consensus verification.

5) Data permission control strategy

Eoco Token provides two types of permission control strategies: data writing and reading. For data writing permissions, multiple users can be assigned under the same account, with corresponding permissions set for different operations to accommodate multi-party signature control use cases. For data reading permissions, users can grant or revoke data operation permissions for individual users or user groups, with user groups being configurable by the users. The data includes user account information, transaction details, etc., and the granularity of access can be refined down to the attribute level for each transaction or account.

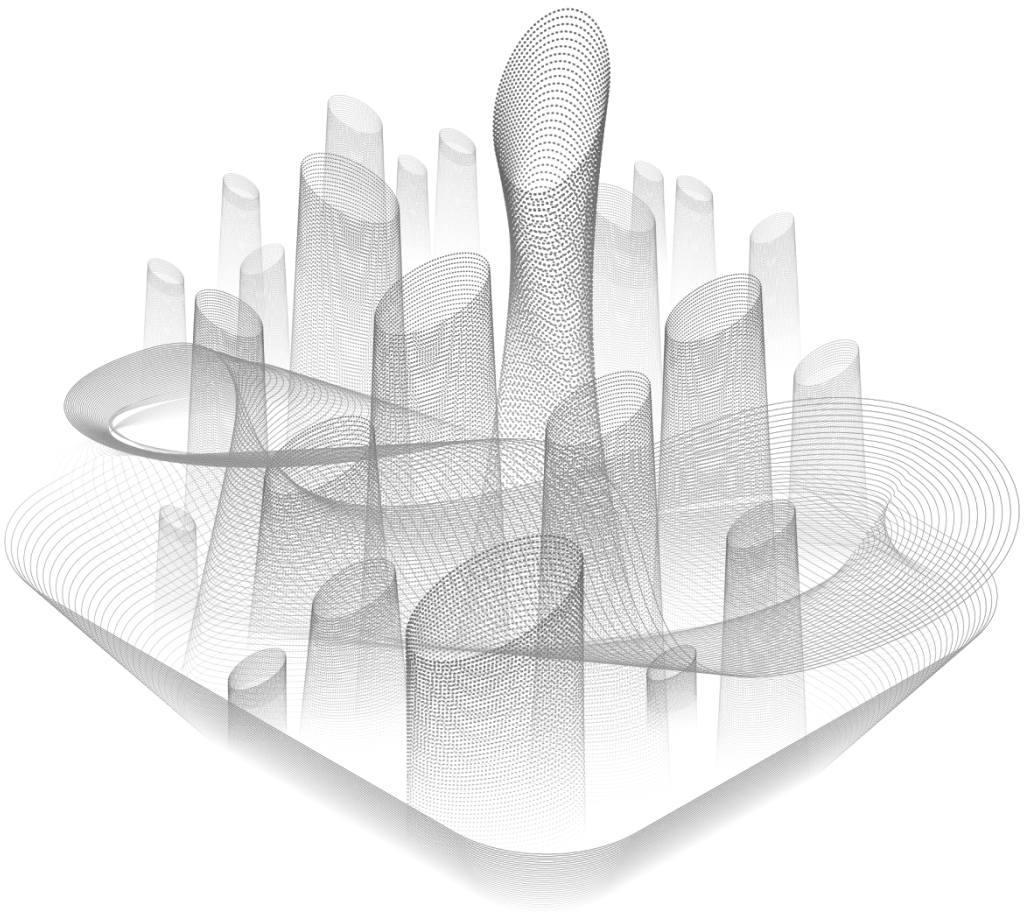
6) Diversified Expansion and Development

The blockchain structure of Eoco Token meets the needs of various business fields, enhancing the scalability and maintenance efficiency of the system. It can be used to track assets and asset transfers, provide tamper-proof multi-dimensional event records, and trace the circulation process of financial assets.

7) Visual operation and maintenance support

Eoco Token will provide the visualization tools needed for operation and maintenance management. The system monitoring services deployed on Eoco Token nodes will support data

monitoring across business (blocks, transactions, contracts, consensus, etc.), network (networking, latency, throughput, etc.), and system levels (CPU, memory, disk, etc.). Additionally, it will offer a comprehensive log, alarm, and notification system to facilitate the maintenance of financial commercial systems.



Chapter 4: Eoco Token Economic Model Design

4.1 Eoco Token Economics

Eoco is a value token circulating within the Eoco Token ecosystem and a functional token used on the platform. Its value attributes integrate NFT and the metaverse, and it can be earned through productive labor and other activities in the community lifestyle. Eoco will be launched on the XVNCOIN exchange platform in September 2023.

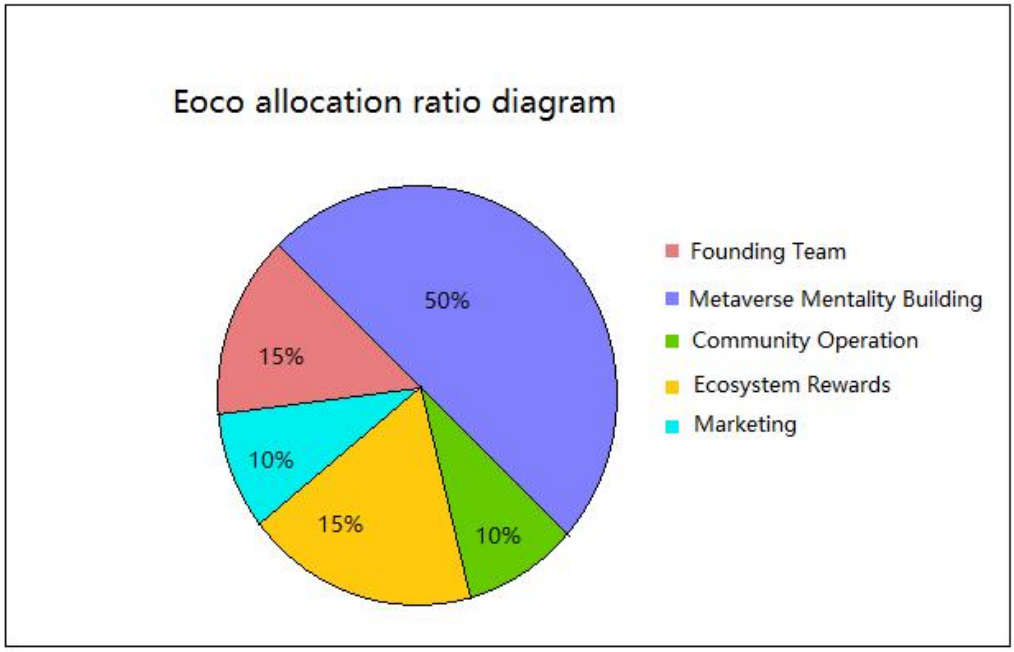
This is an innovative and practical virtual currency designed to circulate various types of value assets, creating a high-value token for global players and investors. Additionally, Eoco tokens support the interconnection of all things in the NFT space and the metaverse, enabling the tokenization and incentivization of data and assets. In the future, through the circulation of Eoco, the Eoco Token ecosystem will drive the combination of the virtual and the real, empower offline entities, and help address social challenges such as employment and overcapacity.

Total circulation of Eoco: 21 million coins

Issuance price: 10U

Release date: September 2, 23

Ecoco distribution plan:



Eoco tokens will serve as a value carrier for the Eoco Token metaverse and the Internet of Everything, driving the realization of virtual and network interconnection. By combining people, processes, data, and things, Eoco tokens will make network connections more relevant and valuable. In the future, once Eoco tokens are listed on major global exchanges, their value and price will increase, and user benefits will continue to grow.

4.2 Acquisition and Circulation of Eoco

1) How to obtain

Ways to obtain Eoco include, but are not limited to:

• Value creation: Includes (A) contribution to the creation of digital assets in the Metaverse community. For each digital asset, the amount of platform incentives issued is proportional to the value of the asset created by the participant and inversely proportional to the duration of the Eoco Token community and the total asset value of the system. The total amount of incentives is capped; (B) Contribution to the creation of digital asset value, meaning Eoco can be earned when the creation of assets reaches a certain fee and asset circulation scale.

• Platform contribution rewards: Users who contribute to the Eoco community can earn Eoco. In the early stage, we will issue Eoco based on the historical contributions of the developer community (e.g., code contribution points for the Metaverse engine, online community interaction points, etc.). In the later stage, the platform will adopt various forms, such as bounty tasks and free assets, to encourage developers to carry out community activities, such as new feature development, upgrades, error correction, and testing on the platform.

• Virtual life scene asset circulation: Eoco is earned by transferring prop assets obtained in virtual life in the Metaverse. The incentives in this part are related to the gameplay and economic system of virtual life and are determined by developers and market rules.

• Behavioral incentives: Various effective behaviors in the Eoco Token metaverse space, community, games, social networking, and multiple applications will be exchanged for Eoco according to the degree of contribution. For example, users can register platform accounts and participate in various community interactions to earn Eoco. The platform will confirm whether the user behavior is effective by analyzing dimensions such as access effectiveness, information integrity, and behavior rationality, and issue Eoco incentives accordingly.

• Eoco consensus work contribution rewards.

2) Eoco's value circulation

As a value medium within the Eoco Token ecosystem, Eoco has a broader circulation value, which is reflected in the following aspects:

• Based on the Eoco Token Metaverse network, numerous applications will be developed, including DeFi, SocialFi, Metaverse games, blind boxes, NFTs, entertainment, education, mining, and more—all using Eoco as a payment method.

• Once Eoco tokens are listed on exchanges and decentralized exchanges, they can be traded with all digital currencies, supporting circulation and payment across the entire Metaverse ecosystem. This includes payments, transfers, fiat transactions, recharges, withdrawals, allocations, mortgages, charity, game malls, and more. All circulation transactions will be based on Eoco.

• Eoco can be exchanged for global fiat currencies.

• For users, Eoco can be used for various purchases within the Metaverse and the real world. Additionally, it can serve as a primary means of cross-border payments, offering more benefits to users. When Eoco connects with mainstream global platforms, gamers will enjoy a broader range of global entertainment and leisure experiences.

In terms of universality, the Eoco Token underlying network has been continuously improved, exploring business models to adapt to a wider range of business needs and facilitate data sharing across different business chains. This means that the Eoco Token underlying network possesses sufficient universality and standards for recording data, enabling it to represent both structured and unstructured information. It also meets the cross-chain requirements as the scope of business expands, providing a stronger foundation for the value flow of Eoco tokens.

4.3 NFT Circulation of Virtual Assets

In the Eoco Token Metaverse community, Eoco can be used to purchase NFTs and pay any fees within the scene, enabling the creation of value within the Metaverse. All Eoco Token assets will have corresponding NFT attributes, and the value of assets circulated in the form of NFTs will be higher. We will solve the authenticity issue of virtual IPs through NFT technology. Each product will be minted with an NFT certificate to ensure uniqueness and traceability. NFT holders can also choose to transfer NFTs from Eoco Token to their own blockchain wallets.At the same time, third-party projects will enter the Eoco Token Metaverse community with NFTs as the entry requirement. The Eoco Token Metaverse community will support only 3D characters and products.

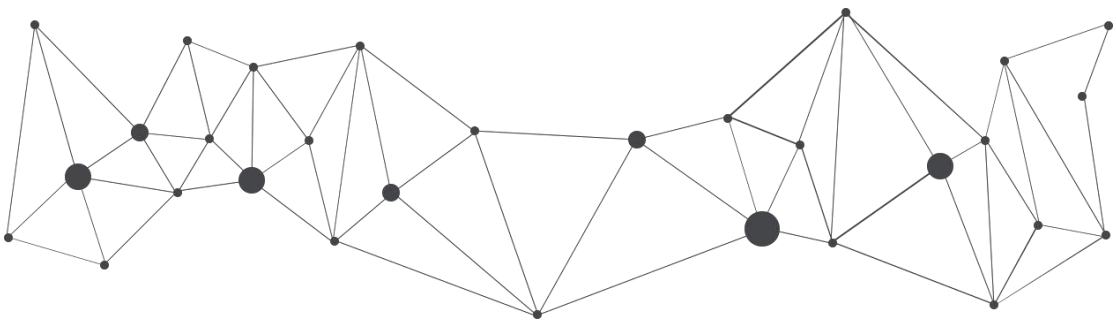
Every virtual product in the Eoco Token Metaverse community is an NFT, giving virtual products true ownership. Brands can officially issue virtual product NFTs, such as wearable and usable items like virtual clothing and handmade products, and much more. Some brand product NFTs can establish a one-to-one correspondence between physical and virtual products through QR codes. Users can hold both physical and virtual products simultaneously. Additionally, players can independently mint NFTs, such as avatars, virtual clothing created with clothing design tools, 3D model buildings that meet technical standards, furniture, decorations, artworks, music, videos, and more.

To achieve efficient circulation of NFT assets in virtual reality, Eoco Token will support high-quality projects, users, investors, and related institutions in the primary issuance, trading, and circulation of NFT assets. Through the Eoco Token Metaverse Community, users or players can purchase NFTs before they enter the secondary trading market, allowing them to secure better entry prices or gain priority access to experience projects earlier. For example, users can directly participate in market subscriptions on the Eoco Token Metaverse Community Platform to obtain better entry prices or enjoy priority rights to experience projects earlier.

In terms of secondary market liquidity, the Eoco Token Metaverse Community's secondary market will leverage the community's vast traffic to help users solve liquidity issues. Buyers and sellers will be able to trade freely in the NFT secondary market.

Regarding GAS fees, the Eoco Token Metaverse Community has no user thresholds or issuance restrictions, unlike general NFT trading platforms. Additionally, the Eoco Token Metaverse Community offers 0 transaction fees, which effectively solves the problem of high GAS fees. Furthermore, NFTs minted within the Eoco Token Metaverse Community are stored in a decentralized storage network, ensuring data persistence and immutability.

In the future, with its first-mover advantage and continuously growing network effect, the Eoco Token Metaverse Community is poised to become a comprehensive NFT circulation platform, offering the widest range of categories and digital goods. Building upon its diverse ecosystem, the Eoco Token Metaverse Community will continue to expand its NFT trading capabilities and solidify its dominant position.



4.4 Project Operation Planning

Adhering to the principles of openness, fairness, justice, and transparency, Eoco Token is committed to realizing the practical implementation and application of the Metaverse community in the future.

First, Eoco Token has formed an executive team, clarified business development needs, and established the design concepts for the Eoco Token DAPP. It has formulated preliminary development and operation plans, and completed the white paper, token development, and demos. Eoco tokens will be issued and listed on exchanges to form trading pairs, leveraging blockchain technology to facilitate the flow of digital tokens.

Eoco Token provides a blockchain interface framework that not only supports third-party ecosystems on the Ethereum public chain, but also plans to build its own public chain in the future. This will allow users and developers to easily and efficiently create blockchain-based applications. The executive team is progressing with the project according to the plan, which includes the development of dual-chain basic components, application modules, and smart contract standards, while gradually improving the relevant community governance systems.

Finally, the test chain will be launched for testing and upgrades. Node construction will be completed, including the purchase of free node servers and expansion of community nodes. The developer community will be built, and publicity activities will be carried out, including setting up a bounty program to attract global technical talent. Eoco will be listed on the top 20 exchanges worldwide.

The specific implementation steps of the Eoco Token ecological planning include:

• Eoco Token NFTs are on sale. Eoco is listed on major exchanges for circulation value, such as Bitmart, Coinbase, Binance, Huobi, etc.

• Stellar, a decentralized exchange, is launched, striving to create the largest DEX for NFT + Metaverse.

• Eoco Virtual Life is launched, marking the beginning of the NFT mining era.

• Eoco has completed the 2.0 upgrade, opened the community chat and dating functions, and achieved 10,000 users online simultaneously.

• Eoco has achieved a stable online population of 50,000 users, with DEX transaction volume exceeding 500 million USD.

• In the first quarter of 2023, Virtual Life aims to stabilize at 100,000 users, and DEX transaction volume is expected to exceed 1 billion USD.

In the future, Eoco Token is committed to creating more application ecosystems and token value models based on the commercial applications of Metaverse VR. We aim to collaborate with global users to create brilliance and build our own decentralized Metaverse ecosystem and DAO community consensus.

Chapter 5: Global Team and Partners

5.1 Global Team

Eoco Token team members are early investors and researchers in the field of digital currency, with rich R&D and operational experience. The core members of the team come from 3D, artificial intelligence, virtual reality, and traditional VR/AR manufacturing industries. They have a deep understanding of the design, architecture, and implementation of concepts and tools such as NFT, virtual reality, and the Metaverse, as well as expertise in building and trading derivatives.

1) Core Team

Goddard – An internationally renowned data engineer with key positions in world-leading Internet big data research centers. He has led the development of basic Internet technologies and participated in numerous prestigious projects, being a pioneer in blockchain technology.

Harvey – A Ph.D. graduate in Computer Science and Big Data from Yale University. He is a technical architect and database expert, specializing in exchange construction. Harvey has extensive experience in database applications, data warehouses, big data, and blockchain development within the trading industry.

Lambert – A globally recognized blockchain application expert and leader in commercializing blockchain technology. He was a member of the US Business Council and holds a Ph.D. in Sociology from Columbia University. Lambert has conducted significant research in global intelligent financial technology applications.

Meredith – With 15 years of experience in technical development, Meredith is a recognized authority in blockchain foundational technology. His career spans academia and the business world, having held several leadership positions at Google and Amazon.

Roice Morrison – A blockchain developer and enthusiast since 2013, Roice has contributed to various digital currency projects, including blockchain explorers, online wallets, and large-scale token mining pools.

Wolf Carr – Holding a master's degree in mathematics and a Ph.D. in computer science from the University of California, Wolf specializes in applied cryptography. He was an architect at RSA Security and a core developer of RSA's Go ICOFM products. Additionally, he is an expert in blockchain technology in Singapore and a member of the US Digital Currency Association.

2) Advisory Team

Larry Rosenberger

Mr. Rosenberger holds a Master's degree in Physics from MIT and a Master's degree in Engineering from UC Berkeley. He served as President and CEO of FICO Corporation from 1991 to 1999. During this time, FICO experienced several years of record growth, with annual revenue increasing rapidly from $31 million to $276 million. From 1999 to 2007, he led FICO's research group, focusing on early-stage innovative predictive and decision analytics, helping enterprise customers in the consumer market make better decisions.

Jimmy Clinton

Dr. Clinton is a renowned computer scientist and the inventor of the rule optimization algorithm Rete and decision engine software. In 2002, Dr. Clinton founded Rules Power in Boston and served as Chief Scientist. During this time, he further improved the Rete2 algorithm and merged it with relational logic technology, thereby developing the Rete3 algorithm.

Alston Reed

Alston Reed graduated from Frankfurt University with a Master's degree in Economics. He has conducted in-depth research in macroeconomics and new institutional economics. He has worked at IBM's Thomas Watson Research Center and served as a visiting professor at the Department of Economics at Princeton University. Additionally, he has been an advisor to the Securities and Exchange Supervision Commission of the Financial Services Agency of Japan and a business innovation advisor for the Japanese Bitcoin Exchange.

Edward Adam Davis

Edward Adam Davis studied at New York University and Columbia Law School. He has written books such as Legal Practice of Interest Guarantees of Movable Securities and Legal Risk Management of Private Equity Project Financing. He specializes in M&A financing, mezzanine financing, securitization, various fund matters, and related businesses centered on the Financial Commodities Exchange Act. He serves as a legal advisor to the Nasdaq Exchange and a financial lawyer at Deloitte.

5.2 Partners

In order to drive the increase in the market value of Eoco tokens and the development of the Eoco Token project, we will achieve comprehensive publicity and promotion through channels such as communities, media, and exchanges.

1) Community

As a community-driven, multifunctional public offering and decomposition platform, Eoco Token has decentralized values at its core. Currently, our partners are spread across the globe, especially in the community field, where they hold significant influence. We will promote them through community channels.

2) Media

With the launch of the Eoco and Eoco Token platforms, we will also promote them in global media outlets such as Golden Finance, Feixiaohao, Bihu, CoinWorld, Mars Finance, Babbitt, the Wall Street Journal, Yahoo Finance, Google News, Bloomberg, and others.

3) Exchanges

Eoco will continue to be listed on major international exchanges, such as Binance, Coinbase, PancakeSwap, Huobi, Ouyi, and others, and will share the publicity channels of these exchanges. As Eoco continues to be listed on major exchanges worldwide, it will be fully promoted to help Eoco become a 10,000-fold coin.

In the future, Eoco Token will fully leverage the advantages of blockchain 1.0, blockchain 2.0, and blockchain 3.0 projects, addressing their outstanding issues and technical limitations, and building a more prosperous new era of encryption based on the DAO concept model.

Chapter 6: 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 advisors before participating in any activities related to this. Community staff, project development team members, third-party development organizations, and service providers are not responsible for any direct or indirect damages or losses that may result from the use of this white paper. This white paper is for general informational reference only and does not constitute a prospectus, an offer document, a securities offer, a solicitation for investment, or any offer to sell any product, item, or asset (whether digital assets or other assets). The following information may not be exhaustive and does not imply any elements related to the contract.

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In any decision to purchase Tokens, you do not rely on any statement in this white paper; You will voluntarily bear the costs and ensure compliance with all laws, regulatory requirements and restrictions applicable to you (as the case may be);

You acknowledge, understand and agree that Tokens may not have any value, do not guarantee or represent any value and circulation attributes, and cannot be used for speculative investment;

The community and its affiliates and team members are not responsible or liable for the value, transferability, circulation of Tokens and any market that provides Eoco Tokens through third parties or other means;

You acknowledge, understand and agree that if you are a citizen, national, resident (tax or other related), green card holder of a geographic area or country that meets the following conditions, you will not be eligible to purchase any Token:

i. The sale of Tokens may be defined or interpreted as the sale of securities (however named) or investment products.

ii. Countries and regions where the law prohibits access to or participation in the sale of Tokens, or where Tokens are prohibited by laws, policies, regulations, treaties, or administrative regulations.

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