Xronlix

The world's leading blockchain infrastructure provider and cryptocurrency trading platform

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Contents

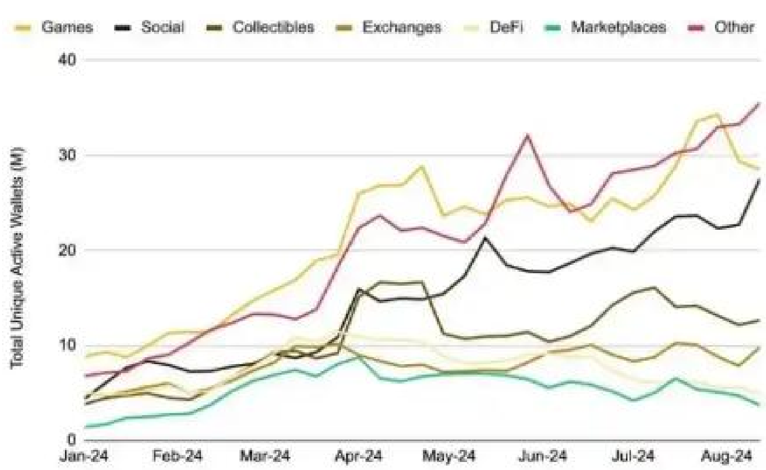
Chapter 1 Analysis of the current state of the crypto market

1.1 Overview of cryptocurrency market development

Blockchain makes the Internet jump from "information" to "value", and brings two unique functional features to the Internet and the digital world: the first is the technical blockchain credit layer, which is used for "value transfer" in the digital world; The second is the economic Token, which is used for "value representation" in the digital world. With the continuous development of blockchain technology, the global currency crypto market has gradually become an important part of the financial field. The emergence of cryptocurrency has brought revolutionary changes to the traditional financial system, and triggered global attention and research.

In recent years, more and more people have started to learn about and invest in cryptocurrencies, not only because of their relatively high return on investment, but also because of their potential importance in the global economy. Whether it is Bitcoin as the market leader, Ethereum's application in smart contracts, or other emerging cryptocurrencies, each has its own unique charm and value. Today, more than 617 million users around the world are linked to decentralized systems, and $845 billion is flowing through the on-chain economy, signaling that a whole new global infrastructure is being conceived.

In 2024, the growth and popularity of cryptocurrencies will increase significantly, with key indicators showing growing ownership, activity and trends around the world. In this process, the progress of developing countries is particularly impressive, and the improvement of infrastructure has laid a solid foundation for future large-scale dissemination. At the same time, the number of users holding crypto assets continues to surge, with millions of people using these digital assets across platforms. That said, the crypto industry has yet to fully reach the level of universal Internet users, so there is plenty of room for future growth. Data shows that a large number of crypto holders are actually passive users, meaning they own digital assets but are not actively involved in blockchain applications. This is where the opportunity lies for entrepreneurs, and crypto projects can focus on turning these users into active participants, reducing barriers to entry and removing barriers from high fees, complex user interfaces and technical knowledge requirements.



Blockchain technology is at the heart of cryptocurrencies and fundamentally offers transparency, security and decentralization that the traditional financial system cannot provide. As blockchain technology continues to develop in depth, the digital currency market will usher in a new blue ocean:

- Increased regulation: Governments are increasingly regulating the cryptocurrency market, which may have a negative impact on short-term performance, but in the long run will bring more legitimacy and security to the market. A transparent regulatory environment will help investors build trust and facilitate larger investments into the market.

- Advances in technology: With the continuous improvement of blockchain technology and related infrastructure, the application scenarios of cryptocurrencies will gradually expand. Innovations such as Layer 2 solutions, side chains and cross-chain technologies can solve the shortcomings of the current blockchain in terms of fees and transaction speed, and provide strong support for the practicality of cryptocurrency.

, the development of decentralized financial (DeFi) : DeFi is changing our understanding of financial, investors can trade through the intelligent contract implementation of mortgage lending, decentralized, liquidity new forms, such as mining and further reduce the dependence on traditional financial intermediaries. This will encourage more and more users to participate in the cryptocurrency ecosystem, driving a boom in the market.

- Mainstream Adoption: More and more large enterprises and institutions are entering the cryptocurrency market, driving the expansion of applications in areas such as personal payments and asset management. More widely adopted will enable mainstream encryption monetary market value to further improve and promote the overall development of the market.

With the skyrocketing market value of mainstream tokens such as BTC, ETH, BNB and XRP, as well as the implementation of Web3 technology, more entities are beginning to explore the possibility of introducing token economy incentive model, and a new era dominated by crypto economy is coming.

1.2 Digital currency exchange market

At present, in the whole field of cryptocurrency, exchanges play the most critical role of circulation, trading and value exchange. Therefore, in the whole cryptocurrency market ecology, as one of the most important circulation links, the exchange platform has an irreplaceable important position. The most important role of the exchange is to export the value of the cryptocurrency of the project party to all investors, closely connecting each other. As cryptocurrencies grow, so do exchanges for digital assets.

On the exchange platform, users can easily buy and sell various digital currencies, such as BTC, ETH, BNB, SOL, DOGE, TRX, EOS, etc. In addition to providing trading and circulation venues, exchanges also assume the traditional role of market makers and investment banks. And compared with the traditional financial exchanges, digital currency exchange has the following significant advantages:

- Decentralization and transparency: Digital currency exchanges are usually built on blockchain technology and are decentralized. Control transactions, this means that there is no single central agency but by distributed node jointly safeguard transaction records. This decentralized structure improves the transparency of transactions, and users can view the transaction records at any time, ensuring the fairness and impartiality of transactions.

Global accessibility: digital currency exchange is not subject to regional restriction, anyone with an Internet connection, can access and use on a global scale. This provides investors with a wider range of investment opportunities and breaks down geographical barriers in traditional financial markets.

24/7, uninterrupted trading: unlike traditional financial markets, digital currency exchange 24/7 can realize continuous trading. This allows investors to trade at any time according to market changes, improving the liquidity and utilization efficiency of funds.

Innovative financial products and services, digital currency: digital currency exchange continuously launch innovative financial products and services, such as leveraged trading, futures contracts, decentralized financial (DeFi), etc. These products and services provide investors with more investment options and risk management tools.

In terms of functions, digital currency exchanges can be roughly divided into the following categories:

, fiat and digital currency trading: fiat and digital currency exchange dollars, euros, etc fiat with digital currency such as COINS, etheric fang trading services. Due to the different monetary policies of various countries, the exchanges of fiat currency and digital currency are subject to strict supervision worldwide. At present, only a few exchanges provide direct exchange of fiat currency and digital currency. Fiat and digital currency transactions between mainly divided into two modes, the first is the direct trading on exchanges Coinbase, for example, Bitfinex exchanges such as BTC/USD, ETH/USD products. The second model is over-the-counter (OTC), exchange dealmaking service only, deal done completely outside the exchange between the seller and the buyer.

Currency exchange, currency: currency currency exchanges between mainly provide all kinds of digital currency trading. Coin currency exchange focused on digital currency conversion between, on the transaction efficiency and the transaction cost has obvious advantages. Investors can directly exchange their digital currency into any kind of digital currency quickly, which improves the liquidity of digital currency. Due to cut off the deal with fiat, coin currency exchange regulated relatively less pressure, development speed is faster, on the market at present most exchange will provide money currency trading service.

- digital currency derivatives exchange: digital currency derivatives exchanges the biggest characteristic is to allow the leveraged deals. Compared with ordinary products, the structure of derivative products is quite complex, with great volatility and high risk. At the same time, digital currency derivatives exchange is also very high to the requirement of founding team, the team needs not only the senior technical experience at the same time also need to have rich experience in financial products transactions.

From the perspective of operation mode, digital currency exchanges are mainly divided into two types:

- Centralized exchanges (CEX) : These platforms are controlled by a centralized operator, where users store their assets in the platform's wallet and transact through the platform. While centralized exchanges offer greater liquidity and convenience, they also face issues such as hacking and regulatory risks.

- Decentralized exchanges (DEX) : Unlike CEX, decentralized exchanges do not rely on a centralized intermediary, and users can transact directly on-chain through smart contracts. Dexes have significant advantages in terms of increased security and transparency, but leave a lot to be desired in terms of liquidity and user experience.

According to a data report by Datalight, the number of digital asset traders in Europe has reached 10.3 million. Many European traders are drawn to digital assets because of their unpredictability. Authorities in several European countries, including Gibraltar, Malta, Estonia, Liechtenstein and Switzerland, have been aggressive in their approach to digital assets. In Liechtenstein, people can open bank accounts using Ethereum. Malta, with a population of less than half a million, has also become the world's most traded country for digital assets.

Trading stocks is only a minor source of income. But as opportunities in traditional investment areas like stocks or real estate have dwindled, many have turned to crypto markets with their low barriers and high degrees of freedom. Asia is known to play a key role in digital assets, with most countries pushing for adoption, improvement and governance of digital currencies. Digital asset trading has been widely used in crypto markets across Asia, and the region is home to industry giants such as Huobi, Binance, OKEx, and KuCoin.

1.3 Industry pain point analysis

Although the exchange market has a history of more than ten years, with the influx of huge traffic and imperfect regulatory measures, there are many pain points in the market, specifically:

1) Security challenges

The importance of safety is self-evident. Most of the current mainstream digital asset trading platforms are centralized trading platforms, which are highly vulnerable to external hacker attacks. Once loopholes occur, thousands of investors will suffer huge losses; At the same time, the reputation of the trading platform will also suffer a major blow, and some platforms will be forced to close down directly. More than $1.7 billion in digital assets have been lost to hacks or platform vulnerabilities since 2011, with more than $1 billion in digital currency lost in 2023 alone, according to Crypto Aware.

On the one hand, exchanges are frequently hacked, and on the other hand, the blockchain trading market is unusually hot. After years of research on blockchain, we have found that in addition to attacks on exchange networks, imperfections in blockchain technology can also cause network transactions to block. Combined with unknown exchange due to the geographical, fiat, language, reasons such as investment environment, business localization, each other space, member, digital illiquid assets, regional currency is not complete, the user can be purchased at currency price gap is big, difficult to implement digital assets flow of globalization, inhibits the natural attribute of digital assets global free flow and advantage.

2) Lack of market depth

The market depth of trading platform has a great impact on user experience and investment cost. It will take a lot of time and cost for users to complete an ordinary transaction on the platform with insufficient trading volume, and may even cause certain economic losses compared with the platform with large liquidity. Caused by a lack of depth of trading, the user can choose to give up the insufficient volume of trading platform, thus produce vicious circle, aggravating the problem of insufficient depth trading platform, a strong impact on the development of trading platform.

The unfairness of benefit distribution mechanism also exists. Some large-scale exchanges, in the early stage of development, rely on a number of good currencies to attract popularity, will also attract some seed users to support. However, with the gradual growth of the platform, the role of relevant groups such as currencies, users, liquidity and providers that made great contributions to the platform at the beginning has been weakened, and users have not shared the benefits brought by the growth of the platform. This is very different from the concept of decentralized cooperation and win-win of blockchain.

3) Poor infrastructure

Compared with traditional financial products, the management of crypto digital assets is more dependent on technical means. Crypto digital asset investors, who have transformed from the early geek community and miners, have a natural advantage and can achieve self-crypto digital asset management through technical means.

However, for most investors, crypto digital assets and blockchain technology are still unfamiliar territory, and convenient and professional tools are the first choice for crypto digital asset management. If the asset management can be convenient to obtain investment channels and methods, play the role of storage and interest, which will be very happy to see the crypto digital asset holders.

The current crypto-digital asset management infrastructure is still backward, exchanges and wallets not only cannot provide crypto-digital asset value-added services, but also may have a variety of risks resulting in the possibility of loss of crypto-digital assets, not to mention the play of crypto-digital asset settlement, payment, mortgage and other financial functions. In addition, the ecology of independent exchanges is completely independent, resulting in islands of value and information. As a result, there are:

- High costs: the main network transfer fees of bitcoin and Ethereum are increasing, once reaching a high of $50;

Slow: the currency/etheric fang transfer speed has reached the bottleneck, early peak COINS provids once stranded 200000 did not confirm the deal, broke out in the market has caused many futures traders cannot make up for all the margin and blowing up.

Intelligent contract performance, poor: now block chain framework in energy (scalability, ease of use, consensus problem), caused by the limitations of highly redundant computing architectures.

System losses of amortizing problems: so far, explores a variety of system loss solution trading patterns, theory is in advance of sharing fund mode or capitation system losses, or a combination of patterns, can solve the problem of system loss, affect the user experience of trading, influences the effect of hedging.

4) Challenges of stability

Due to the large influx of investors, the daily trading volume continues to rise, and the existing trading platform's underlying architecture construction and server performance expansion are insufficient, it is difficult to provide investors with stable and smooth trading experience; Slow transfer, system failure, trading card orders and so on all occur from time to time.

5) Challenges of user protection mechanism

According to the current development of trading platforms, trading platforms almost do not set up any protection mechanism for ordinary users, and users usually have to bear their own losses. The lack of user protection mechanism is a defect of current trading platforms, and the establishment of targeted user protection mechanism is an indispensable part of the development planning of trading platforms.

Based on the above spot analysis, market need a convenient, low cost and flexible operation mode, and need a reliable, stable and can continue to generate revenues and exit mechanism, perfect infrastructure. While the birth of Xronlix exchange, provide new opportunities for the market change and investors to make more cash value, trading returns, more can meet the market demand, and provides a new opportunity for the market change.

1.4 digital currency exchange market change

At present, with the application of Web3 technology, the digital currency exchange market also ushered in a new development opportunity. Web3 is a new era characterized by decentralization, digitalization and intelligence, and blockchain technology is one of its core driving forces. In this day and age, people paid attention to the security and privacy of personal data, for decentralized financial trust, digital currency trading platform as the key digital asset circulation infrastructure, will play a vital role in this era.

The era of Web3 has come, and decentralization, transparency and openness have become the new main theme. A diversified trading ecosystem based on Web3 has emerged, which will redefine digital currency trading. Overall, the Web3 will from the following two aspects to promote the development of digital currency trading market:

1) Web3 affect trading platform

Web3 decentralization concept for the development of digital currency trading platform has brought the profound influence. Traditional centralized exchanges are facing more and more challenges, and users are looking for more secure, transparent and efficient decentralized solutions. Decentralized exchange (DEX) is under the background of the rise, it through intelligent trading contracts and chain, reduced the dependence on centralized organization.

Web3 also for trading platform introduced a wider range of functions, such as interoperability across the chain, digital identity management and distributed autonomous organization (DAO) governance, etc. These innovations not only enable users to manage their assets more flexibly, but also enhance the transparency and fairness of the platform.

2) New business models brought about by Web3

Web3 technology is also bringing new business models to digital currency trading platforms. For example, platforms can issue platform coins to attract users to participate in governance and decision-making. In addition, some decentralized platforms reward users for providing liquidity through "liquidity mining" and "pledge" mechanisms, thereby increasing transaction depth and platform engagement.

Another significant Web3 DAO governance innovation. DAO is a decentralized organization structure, based on the block chain platform, users can hold tokens, participation in decision-making and management platform. This model not only improves the user participation, but also provides a more democratic platform the development direction of choice.

The combination of Web3 and digital currency trading platforms marks a new round of change in the fintech sector. Web3 technology through decentralization, intelligent and chain block technology contract, give the user more autonomy and security, while digital currency trading platform through innovative business models and technical means, to provide a more efficient financial services to global customers.

In the future, with the improvement of the technology of mature and regulatory frameworks, Web3 with digital currency trading platform will play more and more important role in the global financial system. Both in individuals and institutional investors, is expected to benefit from this change, to experience a more secure, transparent and efficient financial services.

Based on the above background, Xronlix team starting from the actual market demand, the construction of a safe, stable, fair, transparent, and extensive exchange trading depth as a core value pursuit, to build the world's leading encrypted digital currency trading platform - Xronlix, to global customers to create a new ecological one-stop digital currency trading.

Chapter 2 An overview of Xronlix platform

2.1 Introduction to the Xronlix Exchange

Founded and incorporated in the United States, and headquartered in the United States, Xronlix Exchange is a professional cryptocurrency Exchange dedicated to providing secure, efficient, and reliable digital asset trading services to investors worldwide.

Xronlix Exchange location based service providers to block chain, is committed to global customers with high-quality encryption asset trading platform, the basic principle of adhering to the "do no evil", adhere to honesty, fair to service customers. At the same time, Xronlix insists on benefiting from partners/projects with an open attitude based on the fundamental interests of users.

1) Core philosophy

At present, the development of digital assets is in full swing, but the results are mixed. Xronlix screening high quality digital assets, attaches great importance to the transparency and governance structure of the project, according to their own evaluation system formation of the screening criteria and associated with market decision, to examine high quality digital assets value investors. Our philosophy is a free with each group member together, make the high quality of value flow, produced jointly ecological soil.

2) Core objectives

Xronlix's goal is to build a relatively decentralized trading platform. The operating environment of the Xronlix platform is safe, fair, benign, innovative and iterative, and in line with the trend of social progress and development.

Xronlix is providing users around the world with the most secure, stable and efficient digital currency international website, providing the best quality digital currency innovative transaction service experience. In order to meet the diversified needs of users, in terms of digital currency transaction services, Xronlix has not only developed an advanced matching system (self-developed matching system, capable of processing millions of transactions per second) for coin transactions, but also opened a secure and efficient C2C transaction service. Also prepared on diversified currency for project scheme, investment, buying, selling and trading for the user, build a continuous, transparent, low friction, non-discriminatory trading environment.

3) Core functions

The Xronlix platform is simple, secure and selective. Users can easily invest, buy, sell and trade more than 200 cryptocurrencies on the platform, and the trading of cryptocurrencies is tax-free.

On exchange business layout, on the basis of spot transactions and contracts, with new subscribe, cash value, investment service for the extension, gradually expand coverage, to connect and extend of different trading main body, build value of highway network, to meet the demand of the diversity of users worldwide, and the deal from the scattered islands, To realize the rapid circulation of information and value as well as the expansion of speed and breadth.

• Stable trading platform: millisecond trading speed, stability and security, to ensure first-class trading experience;

, more than 200 kinds of encryption currency: the most comprehensive, the most popular trading platform;

• financial security: complete separation of client funds from the group's own working capital;

• No conflict of interest: true STP/ECN execution without dealer intervention;

, convenient payment, mobile payment is convenient, quick, efficient, safe and reliable;

• One-to-one customer service: We provide global one-to-one customer service to merchants on a weekly basis 5/24.

In addition, as a compliance operation exchange, Xronlix abide by strict laws and regulations and regulatory requirements. We take KYC etc measures, to ensure compliance of the legitimacy of the user's identity and transaction. Xronlix has established a comprehensive risk control system to ensure the security and stability of the trading platform and provide users with a trusted trading environment.

Xronlix development team members to the international top scientific research institutions and chain blocks technical development team, in the future, at the same time of pay attention to improve the user experience degrees, continuously upgrade platform technology, improve the ecological system, to provide investment value, the scientific and efficient management of operations, the accumulation of decentralized trade and resources to the entire industry output, At last, through the assigned to feedback the entire platform ecological trading scene, eventually forming cycle can assign, continued strong development momentum.

2.2 Core technical team

Most of the members of Xronlix's core technology R&D team come from the technical elite team of Silicon Valley and have many years of experience in the currency circle. It brings together the best technical experts in computer, information security, payment, currency trading, communication, mathematics, finance, web development and high-frequency algorithm trading. At the same time, the team members have market and practical experience in DAPP development, spot trading, contract trading, new currency subscription and other aspects.

1) Core team members

Rick Fishbune - a Singaporean computer scientist who previously worked at IBM Computer Research. He is well versed in the principles and implementation of mainstream blockchain technologies such as Bitcoin, Ethereum and HyperLedger, and has a deep understanding and practice of blockchain consensus mechanism, smart contract, cross-chain technology, side-chain technology and privacy protection.

Richard Dobrow is a famous blockchain software development engineer in Silicon Valley. He is responsible for the cross-platform migration of mining algorithms for Bitcoin, ETH and other virtual currencies and the development and management of mining machine software. He has accumulated rich industrial experience in the technical architecture of virtual digital currency wallets and virtual digital exchanges.

Justin Drake -- His research focuses on big data parallel computing and distributed algorithm optimization. He has extensive research experience in blockchain, cryptography, and data mining. He will provide deep algorithm support for projects at the level of blockchain core mathematical model, artificial intelligence core algorithm and big data parallel computing.

Jimmy Lee holds a master's degree and a PhD in electrical Engineering and Computer Science from the National University of Singapore. His research interests include data mining, e-commerce data and algorithm optimization. I was responsible for the construction and optimization of artificial intelligence algorithms.

Tony Wong is a PhD and postdoctoral fellow in computer science at Yale University. 10 years of experience in data storage R&D. He has served as chief scientist of several big data companies. He is an expert in business intelligence systems and has authoritative influence on data mining. He once founded his own big data research company and was responsible for project architecture and scheme design.

Maaghul Clinton - technology developers, Harvard University master of computer, Python language experts, block chain technical engineers. His research involves data mining, artificial intelligence, and algorithm optimization. Responsible for the construction and optimization of artificial intelligence algorithms.

Matthew Walther - Developer, senior engineer of blockchain technology applications, with extensive development experience in private social networking. With 15 years of experience in the Internet industry, he is proficient in multiple computer languages, good at massive and high concurrency available architecture design, and has rich experience in R&D management.

2) Consultant team

Larry Rosenberger - Mr. Rosenberger holds a master's degree in physics from MIT and a master's degree in engineering from UC Berkeley. From 1991 to 1999 Mr. Rosenberger served as President and Chief Executive Officer of FICO Corporation. During that time, FICO experienced several consecutive years of record growth, rapidly increasing annual revenue from $31 million to $276 million. From 1999 to 2007, he led the research team FICO, forecast and decision analysis focus on the early stage of innovation, focus on helping the consumer market of enterprise customers to make better decisions.

Tony Clinton - Dr. Tony is a renowned computer scientist who is the inventor of the rule optimization algorithm Rete as well as decision engine software. In 2002, Dr. Tony founded Rules Power in Boston and served as its chief scientist. During this time, he further refined the Rete2 algorithm and integrated it with relational logic techniques, from which he developed the Rete3 algorithm.

Alston Reed, who graduated from the university of Frankfurt, obtain a master's degree in economics. An expert in macroeconomics and new institutional economics, he has worked in economics at IBM's Thomas Watson Research Center, and has been a visiting professor of Economics at Princeton University, a consultant to the Securities and Exchange Supervision Commission of the Japanese Financial Services Agency, and a business innovation consultant to the Japanese Bitcoin Exchange.

2.3 platform development principles

Xronlix is committed to providing diversified trading services such as spot trading, contract trading, Singapore currency subscription and crypto investment, breaking through the limitations of trading technology and single function, and building a user-owned decentralized trading ecosystem. Therefore, Xronlix development principle is as follows:

- community economics principle: today's application based on economic model, for many industries, the model is not sustainable in the future. Xronlix will rewrite the rules and build a whole new type of transactional economy through the DAO, with community ownership, participation and growth as the starting and ending point. Incentives to contribute to the health of the main body, promote community play a role.

, opening up and operating principles: Xronlix think platform must be inclusive, independence and interoperability. This is why Xronlix will cross chain and cross-platform features woven into trading network structure, eliminate any barriers to entry, and ensure the Xronlix system will serve as a new agreement, tools and standards continue to improve, and community service.

Compatibility, compatibility principle: Xronlix ETH chain, the chain of BSC, TRX chain, etc., and pay special attention to the currency, etheric fang and BSC network compatibility issues. At the same time, Xronlix able to connect to the existing digital certificate of the network, complete asset exchange at the same time without changing the original chain mechanism. The new digital network, also can at very low cost access to the Xronlix.

- privacy principles: Xronlix very pay attention to the security and privacy of trading. In the platform, both parties can choose to deal with privacy protection. At the same time, the platform also provide privacy protection for digital assets, trading, anonymity protection for digital asset holders.

- safety principles: Xronlix continuously to strengthen the construction of safety protection system platform, platform will implement safety requirements step by step, gradually build for the future of the security system, transaction security technology and the digital environment of endogenous polymerization, block chain operation and digital network security operations and application development of endogenous polymerization, at the same time, in actual combat, systematic and normalized safety monitoring, Construct dynamic defense, active defense, defense in depth, accurate protection, integrated control and prevention, defense from spreading on the chain of security defense system.

- Market pain point solution principle: In view of the existing disadvantages of the exchange, Xronlix platform has excellent pain point solutions and advantages of security, stability and efficiency. On the Xronlix platform, users have absolute control over their assets, and the exchange is only responsible for providing digital currency liquidity. The transaction is completed by smart contracts, and the final settlement and clearing are carried out through the on-chain network, which ensures the openness and transparency of the transaction and greatly reduces the cost of users' trust in the exchange.

In the future, Xronlix will build trading platform and community of appropriate technology and infrastructure needed long-term investment, rather than seeking any form of short-term economic benefits.

2.4 the core advantage

Xronlix for investors and continuous user investment, buying, selling and trading and digital asset management, create a fair environment, ideal Xronlix fully open the mainstream for trading, not only continue to focus on the market underestimated the value of the currency and block at the door by other trading platform high threshold of high quality COINS, therefore, Therefore, the Xronlix platform fully guarantees the fairness and transparency of the market. And let users, investors, project parties and institutions, etc., with the safest and most effective way to meet the security, auditing, reporting, analysis and other regulatory compliance requirements.

1) Provide customers with the best trading experience

- Top-notch technical support: Xronlix has the best technical support in the world, and the security of customer information and transaction processing is greatly guaranteed.

- 24/7 Customer support: Xronlix's experienced customer service team is ready to provide personalized service to users and investors worldwide during market opening hours.

2) Secure and convenient trading experience

Xronlix is an excellent real-time trading platform with simple, flexible, stable and detailed dynamic price analysis. Technical indicators can be set and smart trading systems can be used. At the same time, Xronlix's well-developed, convenient features enable different types of traders to implement all trading strategies, making it the most widely used trading platform among traders.

3) Simple and efficient account opening service

Xronlix's real account application is completely self-service, allowing users to use their computer, phone, or tablet app account anytime, anywhere and only takes five minutes to complete. The process for opening an account is as follows:

- Online application: millisecond transaction speed, stability and security to ensure first-class trading experience;
- Input information: upload ID and bank details;
- Approval: After approval, the account information will be automatically sent to the user's email address at the time of registration;
- Deposit transaction: deposit online through account deposit in the management system.

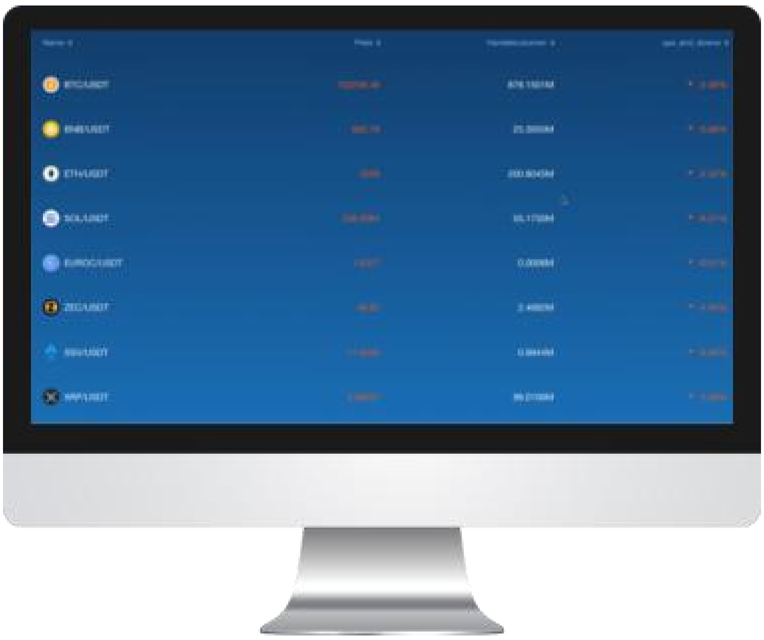
Once the account is opened, the user only needs to press a button to make the transaction. Xronlix truly trades anywhere, anytime.

Xronlix is committed to building user-centric trading products that give everyone a fair piece of the future based on blockchain and transactional currencies. To become the world's leading blockchain infrastructure service provider, promote the development and popularization of digital assets, create lasting value for users to invest, buy, sell and trade digital currencies, and contribute to the stability and maturity of the trading market. Through continuous innovation, excellence and development with global partners, Xronlix will become the trusted trading platform of choice for investors and users around the world.

Chapter 3 Xronlix Platform Business Module

3.1 Real-time market information

Xronlix provides real-time market information and blockchain data for digital currencies to users around the world. It not only provides real-time cryptocurrency price data (the latest price, price change and market capitalization of all cryptocurrencies), but also covers market depth, 24-hour trading volume, total trading volume, historical price and other data analysis. The user can through the platform for global thousands of real-time encryption monetary price, market, trading volume data, help users and investors in a timely manner to understand the market dynamics.



- Real-time Price Query : The Xronlix exchange provides real-time price query for a variety of virtual coins around the world, enabling users to access the latest market information at the first time.

- Market Depth Analysis : Xronlix Exchange provides real-time statistics on market depth, buy and sell orders, so users can better analyze market liquidity and make more accurate trading judgments.

Support , rich currency: support for a variety of mainstream Xronlix exchange virtual currency and trading for, covering the needs of most users.

- User community interaction : The Xronlix Exchange features user discussion boards, feeds, investment advice and other services where users can exchange experiences and share market information with other investors.

3.2 Spot Trading

Spot trading of digital currencies refers to the trading of digital currencies for immediate delivery. Spot trading includes two forms: exchange trading and over-the-counter trading. Digital currency spot trading can generally be carried out in the coin market and fiat currency market. Xronlix spot is mainly traded over the counter.

1) spot trading rules

Trading hours: digital currency is the world's 7 * 24 hours trading, not closed. All trades follow T + 0 + 0 transaction day (Trade) system, may at any time, when buying and selling instant clinch a deal.

, market direction: digital currency spot trading only a trading direction when buying and selling - buying assets, after waiting for prices to sell, earn price difference. Compared to leverage, contracts can be short, belongs to the two trade direction, by buying up after selling, profit or sell down after purchase to make profits.

, market for: in digital currency trading, currencies and denominated in a currency by a target to form a trading right. For example, BTC and USDT together form a BTC/USDT trading pair. If the deal to show that hold USDT, can trade at USDT BTC, if hold BTC, can trade at BTC USDT. General, in a transaction on the currency as the underlying currency, in front of the back of the currency denominated in currencies. At the same time, usually can be used as a currency currency more to stabilize the currency (USDT, etc.) and the mainstream currency (BTC, ETH, etc.).

Xronlix provide the most widely accepted encryption trading services to the money itself, including BTC, ETH, TRX, XTZ, ADA, YFII, MLN, YFI, MATIC, mainstream tokens, spot trading services. Users can directly exchange fiat currencies for BTC, ETH, USDT and other mainstream digital assets in the trading area, and already supports most of the distributed fiat currencies in the market. At the same time, the platform also launched a transaction matching service. When users buy any currency on the platform, the platform will automatically match the exchange with the lowest current price of the purchased currency for purchase. When selling platform will match the world's highest price exchange to sell, can support millions of times set requests per second, for the global customers with higher quality otc experience.

2) currency currency trading

Xronlix through the API interface docking tech-oriented coin currency trading, provide investors with plenty of digital assets transaction. Currency trading is divided into three sections: mainstream currency area, potential currency area and new currency area, supporting all mainstream currency trading in the market. The trading of transaction price can use market price and price, the user can need according to oneself. Abnormal orders at the same time in order to prevent the user errors caused by the market price fluctuations and personal capital loss, Xronlix will provide real time alert service. Support USDT, BTC, ETH mainstream currency trading market, for example, when a user hold USDT, can purchase any support with USDT USDT on currency trading, and more.

Xronlix coin currency trading process example:

Step 1: open the Xronlix website, enter the trade sector.

Step 2: choose trade sector (example: BTC trade sector are other currencies relatively BTC), choose want to trade money for.

Step 3: Choose to buy or sell the corresponding currency, the entrustment type can choose limit order, advanced limit order, etc.

Take the limit order as an example, input the price and quantity of the currency you want to buy and click Buy to buy the corresponding virtual currency. The commission in coin and coin transaction is based on what currency is purchased and the amount of what currency is charged as the commission. Xronlix coin and coin trading has been supported, LTC/BTC, ETH/BTC, BCH/BTC, ETC/BTC, BTC/USDT, LTC/USDT, ETH/USDT, BCH/USDT, ETC/USDT, BTC/BTC, ETH/ETH and other dozens of mainstream currencies, In the future, more coin trading pairs will be expanded.

3) OTC trading advertising area

OTC OTC trading refers to not buying through the trading platform. Otc trading is a form of advertising, two-way trading, free trading, safe and reliable. In order to meet the needs of global users in different trading forms, Xronlix has established a system for offline digital currency purchase independent of the exchange. Everyone can post buy/sell ads in the OTC trading advertising area on Xronlix. Users can buy/sell through offline means, and confirm whether the transfer is completed on the platform. After clicking the confirmation, the platform will transfer the seller's digital currency to the buyer. The Xronlix OTC trading AD zone can establish a reputation system for each user.

4) C2C trading area

C2C transaction is also a kind of over-the-counter transaction, which is a kind of preparation for coin transaction. Basically, it can be said that it is a channel to provide recharge embodiment, there is a way for merchants to enter, and there are some ways to recommend matching. The platform does not touch funds in it, which is an upgraded version of OTC transaction. Xronlix's C2C trading area is a place for digital currency buyers and sellers to publish information on the platform based on demand. Similar to the "e-commerce" model, the Xronlix platform locks the seller's digital currency after the buyer "bids" for a certain amount of digital currency. According to the agreed terms of payment, the buyer the seller pay the dollar or other national currencies, and complete the payment confirmation. Upon receipt of the payment, the seller confirms that the transaction was successful and the Xronlix platform automatically releases the locked digital currency to the buyer.

For newcomers, the first step in starting a digital asset transaction is to purchase a digital asset. Currently on the market some digital asset trading platform for the sale of digital assets operation too trival, in order to let the novice users more convenient to buy and sell digital assets, a key to achieve Xronlix can buy COINS, let more people can be convenient to participate in the encryption career.

Legal legal tender in the future, Xronlix will continue through the channel, and provide legal tender by a well-known bank prepaid phone cash withdrawals and settlement services, is about to launch the fiat deal. Fiat channel and fiat to trading, will bring mass increment user for exchange. Xronlix will be relying on the advantage of traditional financial resources and large institutions, on the legality and conform to the regulatory have more sense of smell, and on the channels of financial licenses and traditional Banks have more powerful support.

3.3 the contract deal

Xronlix provide second contract, delivery, sustainable kinds of contract transaction services. Xronlix did contract trading loss control.

1) the second contract

Xronlix is create more opportunities for players in the second contract market, to help players to make a profit.

Xronlix second contract format is as follows:

, the user first selects the Xronlix platform to deal digital currency (such as BTC, ETH, LTC, BCH, EOS, XRP), transaction time interval, the shorter one min, 3 min, 5 min, long and 60 min;

, then the risk control, within the scope of the user controllable risk set transaction, set up check full stop;

- Xronlix will through independent research and development of intelligent systems for currency directional trend of technical analysis, provide the basis for accurate judgment or user, and according to the analysis of order.

, after the order, the system will automatically countdown, the system will automatically after the stipulated time settlement profit and loss account of the purchase.

Xronlix uses a new model, high-frequency trading, matching engine to stably support large data volume, high performance, high concurrency; Using distributed architecture, the market rapidly, depth data online, front end USES a firewall against the attack mechanism background use hidden type separation deployment; Using MD5 + RSA (asymmetric encryption algorithm) to ensure the safety of account password, using OSS + CDN static file acceleration mechanisms to ensure the safety of data files. At the same time, the integration of trading system, financing system, investment system, the tool system and extension system and so on five big system, and gives the system of the integration of powerful features and extension features. In addition, in the abundant capital strength and operation of legal compliance, supported by Xronlix is let users profit more simple, rapid and efficient.

2) delivery contracts

Delivery contracts, namely the contract the parties agree that at any given time (delivery) according to the specific price trades (tokens) price contracts. Delivery contracts with weeks delivery and quarterly delivery, etc., in the delivery period, cannot trade, slightly differences between different platforms, delivery contracts alternatives may be more leverage ratio is small. The contract is USDT as the valuation unit and settlement, digital currency contracts of delivery on a regular basis.

Xronlix delivery contract settlement in cash. A cash settlement means that the underlying asset will be delivered in monetary terms. In the case of the Xronlix delivery contract, the asset is USDT. Xronlix delivery contracts expire at the end of each quarter a Friday. BTCUSD 0925 contracts in 2022, for example, in the third quarter of last Friday, which is due on September 25, 2022. This can also be referred to as the delivery date, because this is the time delivery of the underlying assets.

Use margin is USDT Xronlix delivery contracts, contracts also with USDT, settlement, transaction costs also USES USDT, payment to be made. With other products, Xronlix delivery contracts also follow the multi-level cost system. And, it also has some additional functionality. For example, some tiers can offer discounted rates (or fee rebates) to market makers. This means that those who can provide liquidity to the market traders will basically. If you have any outstanding contracts, you must pay 0.015% of the delivery fee.

3) sustainable contracts

The Xronlix platform supports USDT margin perpetual contracts in a position by position mode. Users can judge the rise and fall and choose to buy long or sell short contracts to gain income from the rise/fall of digital asset prices. Perpetual contracts do not have a delivery date and users can hold them forever. Contract trading interests and profit and loss calculation:

- Account equity: USDT standard perpetuity account equity, which is the total equity of the USDT standard perpetuity account in that currency. Account rights independent calculation of each variety contracts, mutual influence, calculation methods: sustainable USDT standard account total equity = + unrealized profit and loss account balance.

- Account Balance: Account balance refers to the number of currencies held by the user in the USDT Standard perpetuities account.

- Unrealized profit or loss: Unrealized profit or loss is the profit or loss of the user's current position in the USDT standard perpetual contract. Unrealized profit or loss is subject to the latest transaction price change.

Unrealized profit or loss on long positions = (1/ average open position price -1 / latest transaction price) * Number of long positions * face value * latest transaction price

Unrealized profit or loss on short positions = (1/ latest transaction price -1 / average open position price) * Number of short contracts * contract face value * latest transaction price

3.4 new subscription

SGD subscription, also known as "Daxin", refers to an investment method in which users participate in the subscription when the project party issues SGD for the first time. With the traditional stock market IPO (initial public offering), new subscribe usually within a specific time window, the user can according to the project to provide the subscription rules, according to certain price purchase new shares of tokens. This way of investment usually attract a large number of investors, aims to buy cheap potential tokens of the project, in order to get increases in the price of the price in the future.

As the amount and type of digital currency, increasing participation in new subscription (new) has become one of the investment approach favoured by many investors and users. Therefore, Xronlix provides users with a convenient subscription service for new coins.

Participate in new subscribe on Xronlix steps mainly includes the following aspects:

Login, registration and Xronlix: first, the user need to log in Xronlix website or download Xronlix mobile applications. After completion of registration, the user can log on to the Xronlix.

, improve personal information: in order to successfully participate in the new subscription, users need to perfect in Xronlix personal information, including authentication, etc. According to the requirements of the different projects, the certification process may be different. Make sure all information fill in correctly, so as not to affect the results subscription.

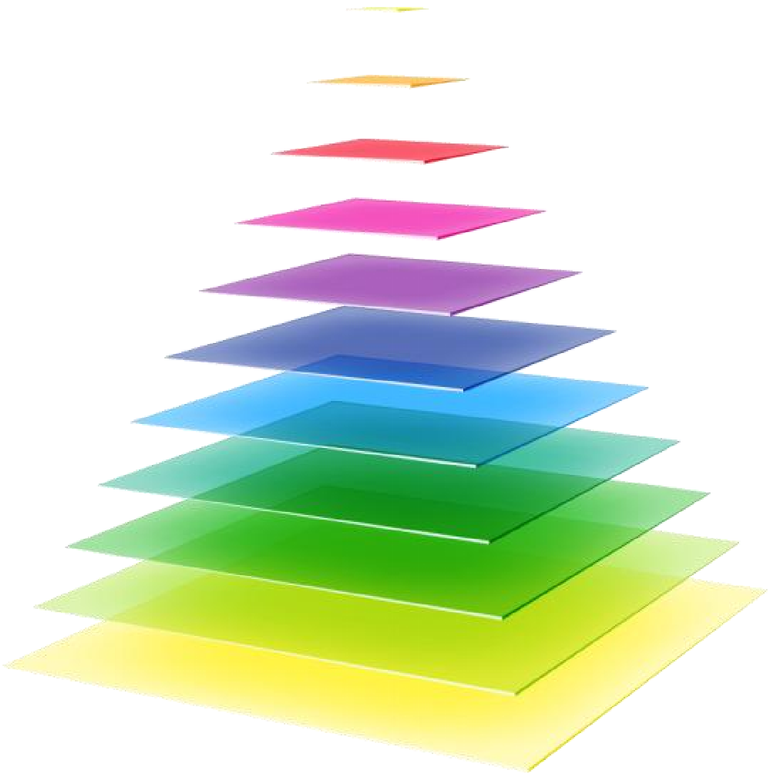
- Find SGD subscription information: After logging in, users can find information about the ongoing SGD subscription on the "SGD Subscription" page of Xronlix. Usually, Xronlix will provide detailed new subscribe announcements, including subscription information time, price, quantity, etc. The user needs to read the announcement, to confirm whether they conform to the conditions of participation.

, prepare money: new subscription requires the user to prepare the corresponding funds ahead of time, usually in the concrete encryption currency (e.g., ETH, USDT, etc.) to pay subscription monies. Users can Xronlix will cost money to the account, to ensure that when the subscription would be able to complete the transaction.

- participation subscribe: after determine the shares, the user can be initiated by Xronlix directly subscribe operation. According to the requirements of the specific project, the user needs to enter the subscription quantity, confirm and make the payment. Pay attention to the transaction confirmation time to ensure that the subscription is completed within the specified time.

, check the subscription results: after completing subscription, the user can view the related records in Xronlix trading history. In addition, usually will be announced at the end of the subscription project to subscribe as a result, users can Xronlix or project party's official website for the latest information.

Participating in the Xronlix coin subscription will allow users to obtain objective potential benefits, such as a significant profit for investors due to the price increase of successfully subscribed coins at the time of listing. With the increase of block chain project, there are more and more the action on the market, investors can choose according to their own risk preference to participate in different project. In addition, by participating in the SGD subscription, investors can get tokens at the beginning of the project and enjoy the return on their investment.



Chapter 4 Supporting Functions/Tools for digital currency investment

4.1 Market dynamic monitoring and analysis

To better achieve Financial goals, Xronlix provides market-wide data monitoring and solutions to:

- Discover the hottest crypto asset collections, market rankings, and more;
- track withdrawals, floor pricing and trade analysis;

The emergence of market liquidity, the query, gobbling up phenomenon;

- deposits and withdrawals through major fiat channels;

Change, a lot of money on the exchange.

Xronlix data monitoring system can be analyzed and disclose the details of the various assets collection and dynamic, can search to know the detailed data of users care about currency and related information, the user can use the data monitoring system is given on some of the key indicators for the analysis of market behavior.

At present, the data monitoring system can real-time tracking Xronlix multi-protocol under relatively popular collection of hundreds of assets, these assets are released on different market platform. The advantage of Xronlix is that it helps users make accurate buying and selling decisions at the right time, but it also provides a detailed analysis of the top asset sets to help investors understand which currencies and behaviors in the market are worth watching.

4.2 market to follow up

Based on Xronlix market real-time data monitoring, users can more easily in the trading market of convenient follow-up orca digital users to buy.

On the Xronlix platform, investors can follow the buying of whale users. Xronlix have tracker function, can real-time tracking digital user transactions, at different time points to show more popular in the market data, including digital volume, who is involved in trading and sales. And the user can choose to buy in the process, and traded in the market.

Xronlix intelligent system of trading system with code to regulate the way to do business, trading at high frequency. Unlike manual trading, an intelligent trading system trades strictly according to a set program. User Settings after startup system, intelligent trading system will automatically take positions, real-time detection, waiting for the market volatility. In addition, in Xronlix orders with intelligent automatic trading system, can realize the rapid trading, avoid network cause delays.

When the market price set before to profit, the system will automatically liquidated, waiting for the next market fluctuation; If there is a loss, the system is to stop operation, if go to add a stop loss order warehouse, such as the market price callback to the corresponding point positions again, so on.

4.3 Intelligent Metadata Service

Xronlix creates smart metadata supporting solutions that enable more investors to complete transactions based on the system and maximize the value of their earnings.

1) Jumpers

By chain block of data to calculate the optimal level for miners gas prices, in this way, encourage miners when building blocks to be traded in priority order. Through investigation and research, a large number of "DeFi" (quality) project, retail investors cannot buy after note pool, the main reason is that retail trade sequence has been at the back of the robot. (Support ETH, BSC and other public chain tokens to buy. By automatically matching the public chain corresponding to the relevant decentralized exchange execution)

2) Super predators

Arbitrage (equilibrium) through Remix in Solidary coding in the mainstream and create their own in the chain of Contact (smart)/intelligent metadata system, and then let the intelligent metadata system detection traded on exchanges, when detected qualified trading, Smart metadata system (super predators) will automatically use a higher Gas Fee to purchase order first, and then by slippage, use a higher price to sell to traders, make a difference.

Balanced arbitrage architecture design includes three parts:

Outside the chain of logic: real-time tracking market information, price and cost of gas pool, looking for arbitrage opportunities, risk assessment and weigh the risk/return at the same time;

• Operator: the manager used to trigger the robot's actions;

, intelligent metadata system itself: a smart contracts, with deposit (it need money to start the arbitrage), functions (to wake up receiving executes instructions), parameterized (tell intelligent metadata system what to do).

4.4 List of second hand level

Xronlix listening the first time the bottom shelf currency exchanges, against the currency information include name, accordingly the bottom pool, cash address, projects and other information, as well as to the bottom pool test scores, such as the mythical wild animal testing.

Get quotation, such as basic information, circulation, market circulation rate, market price and so on;

Depth, get traded, such as market holdings, transaction changes, liquid pool, derivatives markets, etc.;

• Access to index fund data, such as market making of mainstream index funds, overall market performance, weighted averages of different currencies, etc.;

, exchange API: real-time monitoring, users and organizations to leverage account transfer of funds, assets, borrowing, asset return, order cancellations, etc.

4.5 Project selection and airdrop participation

Xronlix will select more newly launched or pending projects/transaction currencies, as well as discover and incubates projects, so that users can participate in the safe, reliable and stable project investment selected by the community at the first time. At the same time, through community orientation, drop for encryption industry outstanding early funded project and risk investment.

Xronlix will establish a project review committee composed of well-known institutions and professionals. The committee will have a number of functional departments to review the listing process, code, white paper, legal compliance, financial and other aspects of new IPO applications. At the same time, Xronlix will introduce authoritative third-party rating agencies to independently review the listing projects. Xronlix will introduce internationally renowned third-party authorities to participate in the review of all aspects of the project listing transaction to ensure that the review results are authentic, objective, reasonable and credible.

Xronlix will work with exchanges to review projects or listing currencies in advance to provide safe investment guidance to investors.

• Listing process Review: For new listings or currencies, Xronlix will first review compliance with the community listing process, from listing application, registration and filing of application documents, submission to the Listing Committee, issuance of review opinions, and preparation for listing.

- Code review: The Program Review Committee has a dedicated code review department to conduct a comprehensive review of the architecture, readability and maintainability of the new listing or currency code, the possibility of implementing the code functions, and the security of the code system.

- White Paper review: In order to avoid the phenomenon of making up the number of white papers and protect the rights and interests of investors, the Project Review Committee sets up a white paper review department to conduct in-depth analysis and review on the authenticity and rationality of white papers.

- Legal compliance review: The Project Audit Committee will also establish a dedicated legal audit department to review the legal compliance of each new listing project or currency to ensure compliance with the legal requirements of the project location and avoid the related risk of non-compliance.

- Financial review: The Project Audit Committee will have a financial audit department to review the allocation of tokens as revealed in the white paper of the project, and require the project parties to regularly document the use of the raised funds to ensure the rationality of the use of the funds.

4.6 Investment Standards and interactive Tools

To diversify by Xronlix system function tool, establishing diversified project/transaction currency investment standard and interactive tools:

1) build diversified project/transaction currency investment criteria

Xronlix will build a global open platform for project/transaction currency venture capital. The DAO of project/transaction currency investment will be realized to get rid of the constraints of traditional project investment forms, accelerate the free circulation of project investment value, and simplify the tedious and complex investment process of traditional primary market investment. At the same time, the core blockchain technology of Xronlix technology makes the creation, definition and generation of an industry-based digital asset more convenient and easier for users to understand.

2) Build interactive tools for investing in diversified projects/transaction currencies

From the most basic asset exchange tool (exchange between different forms of project/transaction currency by agreement, ownership change), Xronlix will also support more complex forms of interaction, such as:

A trigger tool: by A vote of assets in accordance with the provisions of the contract, generate deterministic Y/N Boolean result or the numerical results, to activate the participants share the project/trading currency data set;

B Prediction tool: for example, through zero-sum game, two or more parties bet against each other, the forecast information of the project/transaction currency is generated, and the forecast information is used to estimate the investment prospect of the project/transaction currency.

C: counterpoising truly interaction to introduction of digital currency for the constant unit, for LP equaling investment share.

D Establish trust interaction mechanism: through the signing of smart contract in the block and the immutable attribute, establish trust relationship between investors and project parties who have never met, so that the crypto market has a closer trust interaction.

4.7 Supporting function Settings

In order to realize Xronlix globalization fission, based on the core application, including asset register, assets, diversified system supporting functions such as query, payment support.

1) the asset register

Asset registration is one of the basic functions of Xronlix, and the asset registration process is usually completed by the gateway or gateway agent. All gateway assets or agent of the registration assets, all need to gain the trust of the assets owner, only trust both sides can trade the same property.

2) Payment wallet

Xronlix wallet can be used for the storage, management and transaction of digital assets. Users can not only fully control their digital assets, but also greatly reduce the use threshold and management burden of digital tokens, effectively promoting the flexible application of digital assets. Transactions through wallets will become the main transaction method for users around the world. Xronlix operation simple, entry-level users not only can be used freely, experienced users can choose because of unique trade demand more Xronlix nate set different professional investment function. Xronlix can direct simple operations on mobile devices, the new technical characteristics will be more practical for the application of encryption currency.

The Xronlix Global Payment System has the following features:

- More secure: path secure, data secure, tamper-proof and no single point of failure;
- Faster: real-time transactions, no payment intermediaries, faster cross-border settlement;

Cheaper: low trading cost, low smoke into trading commissions, no middlemen.

In addition to change the traditional mode of payment, and Xronlix also will be paid by lightning network applications and the high frequency fusion of payment, payment system implementation across the chain of the building.

3) Blockchain Asset Browser

Blockchain is a highly technical distributed ledger technology. In order for ordinary users to understand the ledger situation, Xronlix system will provide a blockchain asset browser, which provides the retrieval and use of all kinds of blockchain information, so that ordinary users can check the number of any assets connected to Xronlix. In order to ensure the effectiveness of the books, Xronlix browser can support the query of block chain node link different books, and can generate real-time observation of each block, each transaction situation, accounts, corresponding input can query the account of the various assets balance as well as all the transaction records.

The main features include:

- Information on total transaction volume, total transaction amount and total fees;
- provide block information display, including block, trading summary and detailed information;
- provide query functions based on block height, block hash, transaction hash, and address;
- Support fast access to new currencies.

4) API and SDK

Apis are critical to blockchain technology. A powerful API infrastructure enables users to start winning, to benefit from block chain faster. Through Xronlix developer platform API released officially open block chain technology, for each business partner to provide a new application scenario for the access mode.

In the future, there will be more third-party access, and the Xronlix system will provide a complete set of apis and SDKS for identity creation, Token creation, smart contracts, cross-chain interaction, trusted data, trusted storage and other scenarios. SDK can support mainstream programming languages, such as Golang, C++, js, Python and other mainstream development programming languages.

Chapter 5 platform technology system

5.1 Overview of technical architecture

The Xronlix system is a high-speed, secure and scalable blockchain infrastructure consisting of two layers: super node and storage interface node. And through IPFS technology, processing millions of transactions per second, through the security of decentralized cloud database, provide Dapp unlimited extension of storage capacity. The Xronlix architecture system consists of the following parts, which are:

, more homogeneous chain chain system, provide high TPS access ability, the ability to trade across the chain, etc.;

- P2P network system Xronlix P2P, which provides network layer addressing capabilities;

, database cluster system, providing unlimited extension of secure encrypted data storage capacity;

- the underlying architecture of Xronlix, including a block storage system and a distributed file system;
- Attribute-based cryptographic authenticated access system consisting of multi-node consensus, database access control gateway;
- a data integrity verification organization composed of multiple authenticator nodes;
- an adaptive probe system that provides in-memory data storage, performance monitoring, security monitoring and Metrics data uploading capabilities.

The core of the Xronlix system is the chain library separation mechanism and functional sub-chain design. Decentralized applications can store data in on-chain and database systems according to different levels of trust and public verification.

Xronlix system provides different types and levels of data collaborative management. Moreover, the multi-database cluster system is a Permissionless environment.

Xronlix system also completed the agency attribute based encryption based on access control mechanism, and the complete holding proof of stored data. The main reason for the separation design of the chain library is to consider the future upgrade and update of the system. Since the update of the blockchain system will lead to the bifurcation of the system, which will cause irreversible impact on the whole economic system, we put the main data processing ability on the database system, and the access control system for the database system is completed through the functional sub-chain. The function sub-chain is designed for the future scalability, and more to complete the two core functions of the decentralized storage system: privacy protection and data possession proof. We implement the access control and encryption functions of cloud storage data through an efficient multi-authority attribut-based encryption scheme.

1) design and use Move programming language

"Move" is a new programming language for implementing custom transaction logic and "smart contracts" in the Xronlix blockchain. Since Xronlix aims to one day serve billions of people, the Move language was designed with security and reliability in mind first and foremost. Move from so far and intelligent contracts related security incidents happened in the lesson and create a programming language, can essentially more easily meet the authors intention code, which reduces the unexpected holes or the risk of security incidents. Specifically, on the Move from the design can prevent digital assets being copied. It makes with the real limit digital assets for asset with the same attributes of "resource type" become a reality: only the only owner of each resource, resource spend only once, and limit to create new resources.

The Move language also facilitates automatic verification of whether a transaction satisfies a specific property, for example, a payment transaction that only changes the account balance of the payer and payee. By prioritizing these features, Move helps keep the Xronlix blockchain secure. Move allows for easy and secure definition of core elements of the Xronlix network, such as payment transmission and management of verification nodes. Finally, the Move is to compliance mechanisms (such as promoting travel rules compliance and protocol level sanctions screening mechanism) built into the Xronlix network in a way.

Xronlix is committed to implementing appropriate reviews and risk controls for smart contracts. First of all, the only company approved and released by intelligent contracts, to interact directly with Xronlix systems. Over time, the company will explore appropriate controls to allow third parties to publish smart contracts.

2) use the Byzantine fault tolerance mechanism (BFT) consensus

The Xronlix blockchain uses the BFT mechanism to enable all verifier nodes to agree on the transactions to be executed and the order in which they are to be executed. This mechanism to realize the three important goals: first, it can build trust in the network, because even some verifier nodes (up to one third of the network) are damage or malfunction, the design of BFT consensus agreement also can ensure the normal operation of network. Second, with some other block chain, compared to "prove" workload mechanism used in this kind of consensus agreement also can realize high transaction throughput, low latency, and higher energy efficiency method of consensus. Third, end of BFT agreement helps to clearly describe trading, so as the participants see from enough verifier trade confirmations, they can ensure that deal has been done.

BFT security depends on the quality of the verifier, so the company will conduct due diligence on potential validation. Xronlix network design to the principle of safety first and took into account the complex network and attack key infrastructure. The structure of the network running software of guarantee is to strengthen inspection, including the use of technology, such as key code separation test consensus algorithm method of innovation, and careful management of dependencies. Finally, Xronlix network will be defined in the event of a serious vulnerability, or need to upgrade to reconfigure Xronlix block chain strategy and process. In addition to ensuring the secure recovery of the system in these cases, this preparation will deter attacks because attackers will know that their actions can be countered.

3) USES and iterative improvement has been widely used block chain data structure

In order to ensure the safety of artificial intelligence data stored by Xronlix blocks in the chain of data will be protected by ms merkel tree (tree) Merkle, it is a kind of has been widely used in other blocks chain data structure, can detect any change to the existing data. With past the chain as a trading block set the block chain projects, Xronlix chain block is a single data structure, its long-term record transaction history and status. This implementation simplifies the access application workload of block chain, allowing them to read any data from any point in time, and use the unified framework verify the integrity of the data.

A result of the above design decisions is that chain will provide public verifiability Xronlix blocks, this means that anyone (verifier, Xronlix network service providers (VASP), virtual assets, law enforcement, or any third party) can review the accuracy of all operations. In trading signature encryption, so that even if all the verifier is broken, can't accept fake trades from safety signing keys. The hardware design and key management and key offline storage compatible high value.

Another consequence of the above design decisions is that the Xronlix blockchain will support a privacy approach that will take into account the diversity of participants on the network. The company will monitor the development of the Xronlix blockchain protocol and network and continuously evaluate new technologies to enhance privacy compliance on the blockchain while taking into account applicable regulatory requirements.

5.2 Transaction System Design

States are the atomic units of information in the Xronlix exchange.

1) state does not change:

Either flow "has not been spent" status, or is not effective consumption "has been spent" state. Fair consumption state of zero or more (input), and create zero or more new state (output). Because the state can not exist outside create its trading, so the state is consumption or not, can create its transaction identifier and its index to identify in the transaction output list.

2) A transaction consists of the following components:

- Order: Multiple output states are allowed for one input state. For example, an asset can be issued, be transferred to the account.

Timestamp: if is provided, then a timestamp on this new owner, or by the owner to the righteousness to redeem the deal can be considered to have occurred time range.

Because the signature is added at the end of the deal, the deal is used for signing the hash to identify, so the ductility of signature will not be a problem. Never need to use hash to identify trading, including signature information. Signatures can be generated and checked in parallel, and they are not directly exposed to the contract code. In fact, the contract will check whether the set of instructions specified public key, because only when each instruction list every public key has a matching signatures, trading will be effective. The structure of the public key is not transparent. Thus, flexibility of the algorithm have got retention: the new signature algorithm at deployment time don't need to adjust the code of intelligent contract itself.

- details of the cash being issued - total amount, currency, issuer, owner, etc.;
- the contract code, whose verifyO function validates the transaction and future transactions that will consume the state;
- a hash of a file containing important legal provisions that provides the basic

legal regulatory environment for the behavior of the state and its contract code.

The transaction also contained an instruction specifying that the purpose of the transaction was to issue cash. The instruction also specifies a public key. Cash state calibration function is responsible for the inspection directive specifies the public key belongs to trading parties, the parties need to provide their own signature make the deal effectively. In this case, the have our verify. The function must check that the confirmation instruction specifies a public key corresponding to the issuer of the cash state.

The Xronlix framework is responsible for checking that the transaction has been signed by the public key listed for all instructions. As a result, verify function only need to ensure that all parties need to sign has been specified by instructions, while the frame member responsibility to ensure that trade has been ordered list of all participants signed.

5.3 Blockchain Service System

The service model function module of Xronlix exchange is divided into four parts: blockchain gateway, blockchain node service, blockchain consensus network and supporting tools.

1) Blockchain Gateway

A "blockchain gateway" is designed as a lightweight gateway system that is typically deployed in a participant's network environment and provides features including:

- Private key management: provides fully localized private key custody capabilities;
- Privacy protection: end-to-end encryption is used for privacy protection;
- Protocol conversion: provides a lightweight HTTP Restful Service that

ADAPTS to the blockchain node API of TCP protocol.

2) block service chain nodes

Application-oriented general functional components provided on the basis of the underlying blockchain network, with the purpose of providing the reuse of general functions, including:

- application oriented account management;
- account certification authorization;
- Object-oriented ledger data access framework;

Event notification mechanism;

- smart contract management.

3) block chain network

A network composed of consensus nodes that ensures that transaction data is consistent across nodes based on P2P networks and consensus algorithms.

4) Tools

Set of supporting tools, including SDK, data management, installation and deployment tools, monitoring services.

5.4 Cross-chain solution

Xronlix has independently developed a cross-chain technology solution based on multi-signature, which supports various cross-chain assets such as Ethereum, BSC, Wave field and quantum chain. For example, A user to complete A cross chain business, first user send A assets to A specific address on the main chain, the specific address is multisignature. The advantage of a multisignature address is that the asset can be securely locked at that address. Because only one or a few members of the gateway can't complete the assets transfer, according to multiple sign algorithm, reaches a certain proportion of the relevant member signature is needed to unlock the asset.

Once the user send A main chain assets to A specific address, after listening chain of trading information on the listener will be monitoring to the main chain transfer, after receiving information, through txid confirmer could verify the authenticity of the deal in the main chain and accuracy, once established will not be revoked, Confirmer will relay in the contract signed the deal across the chain. Executor (practitioner) signature threshold conditions, issue the same amount of anchor currency, and to charge a Xronlix trust contracts, the safety of the users in the Xronlix account this new assets, such completed assets from the main chain Xronlix trust contract transfer process.

For example, if the user wants to transfer his assets from the main chain of the EOS to A main chain, the user first need in withdrawal requests, Xronlix by tokens will be withdrawal to the relay contracts, relay contract pressed destroy this part tokens, this time watcher sign will launch in A main chain transfer, and sign the request record relay in the contract, Confirmer to confirm the authenticity of the tokens, destroyed, and provide A signature on A main chain. Meet the threshold condition after the Executor to complete A main chain transfer, users receive mention currency addresses A main chain assets. In general, recharge is to set A certain number of tokens on the A main chain, and then issue new tokens on the EOS chain according to the set tokens. Withdrawal, in turn, is the chain of EOS, destroyed, after A certain number of tokens in A main chain over lock the corresponding number of tokens.

5.5 the support of C2C

The original traditional centralized transaction mode relies on the platform to make credit endorsement to ensure the authenticity and reliability of the transaction, but it also exposes the risk of personal privacy and asset theft. Individuals cannot control their own information, but in the blockchain network, personal transaction information is stored on all nodes in a decentralized manner, which can be publicly reviewed by anyone, forming a decentralized data storage mode. Skip the centralized platform directly transactions between individual and individual, transaction efficiency is higher. In the system of chain blocks, each node has the characteristics of a high degree of autonomy. Any node may become the periodic center, but it does not have the mandatory central control function. Nodes and between nodes, can through the network to form the nonlinear causality, decentralization, open, flat, equality of the system. Compared with centralized trading, due to regulatory client funds need to abide by the management institution, the relevant provisions of the need to overcome many obstacles. To users, which trade in this way, must comply with the various rule of centralized trading services and the corresponding fee.

In the future, will be on DEX Xronlix (Decentralized Exchange) Decentralized trading rules, to solve this problem, implementation is convenient and safe transactions. Implement DEX decentralized market in one of two ways: the currency across chain support (BTC) Relay and Hash Locking.

5.6 privacy protection mechanism

Block chain technology cannot be tampered with, distributed trait, indeed can avoid user privacy is centralized authority is sold, hacker attacks and other problems, but the books open and transparent, but let exposure on the chain, the massive user data privacy issues such as air still attic, has not been fundamentally solved. For example, the original shopping on Taobao, now decentralized, not through Taobao transactions, Party A and Party B directly mail. Although there is no taobao to master both transaction data, but they are trading data is recorded on the block chain network, anyone can look at it.

Based on the accounts and UTXO hybrid model, Xronlix privacy trading system, realized the block chain in use UTXO system at the same time, keep the account system, add ring signature and disposable address, free accounts between privacy and public circulation, and do not traceability and connectivity.

In addition, Xronlix uses ring signature technology to achieve privacy protection. Ring signature technology refers to hide themselves in a n a public key with the public key, private key specific application is hidden trading block chain sender (address/public key).

$$\begin{tikzcd} \boldsymbol{d} \in \mathbb{F}^m \arrow[r, "S^{-1}"] & \boldsymbol{x} \in \mathbb{F}^m \arrow[r, "F^{-1}"] & \boldsymbol{y} \in \mathbb{F}^n \arrow[r, "T^{-1}"] & \boldsymbol{z} \in \mathbb{F}^n \arrow[lll, bend left, "P"] \end{tikzcd}$$

A ring signature is a type of digital signature that can be performed by any member of each group of users who own the key. Therefore, the use of ring signature signed message signed by someone in particular groups, but cannot deduce the specific is which member to complete the signature: ring signature of a security attribute is which group members could not be determined by calculating the key used for signing.

5.7 P2P Networks

The network of Xronlix blockchain is a distributed network composed of all nodes, and each node on the network has the same and equal power; Nodes are point-to-point connections to each other also can block data and transaction validation independently ability.

Such Peer-to-Peer Network is the most important foundation of blockchain data layer; It implements the underlying mechanism for nodes to communicate with each other, connect with each other and confirm the correctness and validity of data in the network, which supports the efficient and stable work of Xronlix blockchain system.

5.8 security encryption system

Xronlix choose encryption mechanism of international standard, various data encryption, users pay data and trading information between the both parties only and have the user can view the corresponding permissions.

1) privatekey

Non-public, is a 256 - bit random Numbers, kept by the user and not open to the public. The private key is usually randomly generated by the system. It is the only proof of the user's right to use the account and the ownership of the assets in the account. Its valid bit length is large enough to be impossible to be breached and there is no security risk.

2) Public Key (publickey)

Publickey: Every private key has a public key that matches it. ECC public key can be generated from private key through one-way, deterministic algorithm, the current common schemes include: secp256r1 (international general standard) and secp256k1 (Bitcoin standard). Xronlix control chain and the choice of initial data chain secp256r1 as a key solution.

3) Encryption

Xronlix uses asymmetric encrypted digital signature technology to ensure that the service request is not tamper with during transmission, and ensures the data consistency of each node through consensus mechanism. For already stored data record is through the nodes within the self checking system and quasi real-time multi-node system to check, to ensure that has been stored data records also cannot be tampered with.

Node self-verifiability means that Xronlix uses a block chain structure to store data records. Tampering with data will destroy the integrity of the block chain structure, and the system can quickly verify and recover data from other nodes. In addition, each accounting node of Xronlix has its own private key. The signature of the private key of the node is recorded in each block, and the modification of the data in the block can be verified by the signature.

The on-time multi-node data verification means that when the private key of the node is stolen, malicious users have the possibility to modify all the data on the ledger chain. Xronlix provides a on-time multi-node data comparison mechanism, which can detect the tampered situation of a node's ledger data in time.

Chapter 6 market cooperation and development

6.1 Partners

1) Capital cooperation

Xronlix has obtained including Andreessen Horowitz, TechConnect Partners, Blockchain Capital, Digital Assets Capital and Innovation Ventures, such as the world's top capital support.

- Andreessen Horowitz: This is one of the largest venture capital firms in the world, not only doing blockchain and digital assets investments, but also other areas such as Internet, software, biotechnology, etc. Major crypto investments include Coinbase, MakerDAO, Difinity, etc.

- TechConnect Partners: This is a leading technology innovation investment and advisory firm focused on providing financial support and professional consulting for cutting-edge technology projects. It has successfully invested and supported several leading blockchain projects.

- Blockchain Capital: This is a SAN Francisco-based blockchain investment fund founded in 2014. Its investment focus includes exchanges, crypto companies and premium tokens, and it has made a lot of money over the years. Major investment projects include: Circle, Coinbase, Blockstream, Kraken, Ripple, etc.

, Digital Assets Capital: this is a focused on the areas of Digital Assets investment institutions, looking for a number of innovation and potential asset projects, has been widely used in the field of block chain investment experience, for technical innovation and have a keen insight into market demand.

- Innovation Ventures: This is a venture capital firm focused on blockchain projects, dedicated to finding those blockchain projects with unique innovative value in different fields. The investment philosophy is to focus on the mining of potential value, and has invested in and supported several innovative blockchain projects.

2) the application of cooperation

Xronlix reached a strategic cooperation with top application: AAVE, Venus, CertiK, MakerDao, Imtoken, PancakeSwap, PONTEM, APTOS, BINANCE, CoinMarketCap, crypto.com, coinbase, CoinGecko, nomics, etc.

3) the media cooperation

As the Xronlix platform grows globally, we will also promote it in the global media. Such as, Coindesk, Cointelegraph, The Block, Decrypt, CoinMarketCap etc.

4) ecological cooperation

Liquidity support: Xronlix in the industry with rich resources and numerous partners, and several international mining and active community, investment funds, professional investment institutions to achieve cooperation, as a platform to provide ample liquidity. Xronlix quantitative team with professional docking global head exchange market depth, provide total fragmentation, liquidity support high frequency, quantitative trading adaptation rapid programming trading set of API interface. The introduction of market maker system.

- powerful trading tools: With the maturity of the market, the complexity of the transaction demand, simple past transactions function has been difficult to meet the appetite of professional investors, Xronlix with senior securities investment experience, combined with the depth study of artificial intelligence technology, provides more abundant for professional investors trading tool suite, including automatic cast surely, quantitative trading tools, strategies, etc., But also for ordinary investors can easily access to professional tools, reduce the professional investment threshold, makes trading more universalization.

6.2 development support

Xronlix through digital assets diversified services drainage trend, create wealth for the user.

1) speed transactions

Xronlix has excellent trading speed. Using core technology, Xronlix is able to match orders with ultra-low latency for the ultimate trading experience.

2) 7x24 hours

Xronlix provides real-time, fast one-stop service for global users. 99.999% uptime and 7x24 customer service.

3) Asset security

Xronlix complies with CCSS standards to ensure the security of funds and customer data.

4) Ease of use

Xronlix's extensive order system and trading tools for risk management are available to users.

5) Liquidity and spread

Xronlix has deep liquidity and tight spreads. Meet global users with maximum efficiency and minimum slippage leveraged trading derivatives.

6) Trade anywhere, anytime

Xronlix is available on the website, mobile app, API, and FIX. Meet the needs of multi-end, multi-type users.

7) Multi-system support

Based on Xronlix's strong ecosystem and the need to serve different types of customers around the world, the platform will provide system support including trading currency, high performance, security and stability, liquidity, multi-language, multi-client and derivatives. Xronlix will give full play to the team in the aspects of technology, operations and resources advantage, multidimensional, as a platform to provide ample liquidity, giving users a good trading experience.

In the future, through diversified development strategies, on the one hand, Xronlix will develop self-operated sites in the compliance market, and on the other hand, it will provide technical support for teams with resources, flow and capital advantages around the world to open exchanges. This kind of decentralized exchange alliance mode can realize in-depth trading sharing, and orders between different countries and different sites can be closed. Can provide sufficient liquidity support for each site including Xronlix.

6.3 Compliance construction

Xronlix has over 40 security staff, including veterans who assess perimeter risks and PHDS in cryptography who analyze cryptographic attacks. Xronlix also has nearly 100 compliance officers who examine transactions to tease out money laundering. Xronlix also works extensively with law enforcement. It follows a strict authentication process to comply with regulations like KYC(Know your Customer) and AML(Anti-money laundering), and it tracks and monitors crypto assets sent to and from its website.

Xronlix has established a project audit committee composed of well-known institutions and professionals. Committee consists of several functional departments, to the application for listing of projects listed program, code, white paper, finance, legal compliance review. At the same time, Xronlix has introduced authoritative third-party rating agencies to independently review listing projects. Xronlix introduces internationally renowned third-party authorities to participate in the review of all aspects of the project listing transaction to ensure that the review results are true, objective, reasonable and credible. In this way, users' investment security and income security are guaranteed.

In the future, Xronlix will provide a more fair, transparent, compliant, trusted and fully circulating value discovery platform for the world's high-quality blockchain digital assets, provide a safe, stable, considerable and reliable trading platform for the global digital asset enthusiasts, and establish a world-class blockchain digital asset integration ecosystem without national boundaries and ethnic barriers. At the same time, we will continue to explore ecological applications to create a new generation of digital asset trading business territory. To build a truly distributed "digital crypto financial service ecosystem", so that digital asset applications can be popularized in a wider range, so that more people can share the wealth feast brought by blockchain technology and crypto assets.

6.4 Investor Protection

To achieve investor protection for the platform's investors, the Xronlix team has joined forces with top global communities and capital to form the Investor Protection Fund. To avoid against block chain of the event, the design concept foundation will develop good governance structure and system, help manage community project general matters and privileges. Traditional foundation of the establishment of reference entities, functions of the committee will be set up, including strategic decision committee, the technical review committee, the compensation and nomination committee and the public relations committee, etc.

Strategy committee is the highest policy-making body foundation. The main objective of the Committee is to discuss and solve the important decision-making issues facing the community in the process of development, including but not limited to:

- Revising the Foundation's governance structure;
- decisions on the formation and rotation of the Decision-making Committee;

- the appointment and rotation of the Secretary-General of the Foundation;
- appointment and removal of the Executive Director and the heads of the functional committees
- Review and amendment of the Foundation's charter;
- strategic decisions on Xronlix's development;
- Xronlix core technology changes and upgrades;
- Urgent decision-making and crisis management agendas, etc.

Members of the Strategic Decision-making Committee and the chairperson of the Foundation are appointed for a term of two years, and the chairperson of the Foundation cannot serve more than two consecutive terms. After the expiration of the term of office, the community will vote to elect the community representative, and then select the core members of the decision-making Committee. The selected core members will make important and urgent decisions on behalf of Xronlix, and will be subject to a credit survey and disclosure of their compensation during their tenure.

The above important matters shall be voted by the decision-making Committee by secret ballot. Each member of the decision-making committee shall have one vote, and the chairman of the Foundation shall have two votes. Decisions made by the Decision-making Committee shall be approved by more than half of all the members of the committee in office. In addition, under any of the following circumstances, the executive director shall convene an interim meeting of the Decision-making Committee within 5 working days:

- when deemed necessary by the Secretary General of the Foundation;
- when proposed jointly by more than one third of the members of the decision-making committee.

A meeting of the Decision-making Committee shall be attended by the committee members themselves. If they are unable to attend the meeting for some reason, they may entrust another member of the committee in writing to attend the meeting on their behalf. Failure to appoint a representative shall be deemed to have waived his right to vote at such meeting.

Chapter 7 Disclaimer

High-risk Investment Warning: The market is risky and investments must be made with caution. Margin trading in financial markets involves a high level of risk. Not for all investors, increasing leverage means both high risk and high reward. Before you decide to trade, you should carefully consider your investment objectives, investment experience and risk tolerance, and choose the right investment method. You must be aware that margin trading and other resources in the financial markets are available on the Internet and you need to carefully consider the risks and safety of your investments.

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