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Arctyl Exchange

Building a world-class digital asset exchange



Arctyl Digital Asset Investment Foundation



Preface

With the advancement of internet technology and the acceleration of globalization, the world has entered a new phase of technological and industrial revolution. The thriving digital economy has profoundly transformed human lifestyles, national economies, and global civilizational progress. As a cornerstone of digital economy infrastructure, blockchain technology has seen continuous improvements in its information environment, with both efficiency and security steadily enhanced. Driven by policy support, funding, and market forces, it now plays an increasingly vital role in supporting high-quality development.

The digital asset trading sector is undergoing remarkable transformations. The exponential growth in the quantity, quality, and diversity of trading platforms has created unprecedented opportunities for industry players. The surge in public interest in digital assets has driven an unprecedented expansion in user engagement. Within this dynamic market, each participant maintains their unique approach, perspectives, and preferences.

A Datalight report reveals that Europe has 10.3 million digital asset traders, drawn by the sector's inherent unpredictability. For professional traders seeking high-risk strategies, digital assets offer far greater opportunities than traditional assets' "ordinary" volatility. The sector's 100x leverage potential further attracts them. European regulators in Gibraltar, Malta, Estonia, Liechtenstein, and Switzerland have adopted proactive approaches to digital asset regulation. In Liechtenstein, In Liechtenstein, Ethereum accounts are now available at banks. has become the world's top digital asset trading hub.

In Asia, especially Hong Kong, China, Chinese mainland, Taiwan, China, South Korea, and Japan, stock trading is much more common than in Europe. Stock trading is merely a secondary source of income. However, as opportunities in traditional investment fields such as stocks or real estate become scarce, many people have turned to the crypto market, which has a low entry barrier and high freedom. As is well known, Asia plays a key role in the digital asset sector, with most countries promoting the adoption, improvement, and governance of digital currencies. Digital asset trading has been widely adopted across the crypto market in Asia, and the region is also the birthplace of industry giants such as Bibox, Huobi, OKEx, KuCoin, and Binance.

The evolution of blockchain technology has not only attracted investor interest in transforming traditional industries but also garnered significant attention from governments. Established capitalist nations like the UK and Russia have elevated blockchain development to a national strategic level. This rapid advancement stems not only from technological innovation but also from its inherent capital attributes, which are amplified through exchange platforms.

As a pivotal application scenario in the early development phase of blockchain, digital asset exchanges (DAE) serve critical functions including market expansion, capital mobilization, and token circulation trading. Moreover, they act as key traffic gateways for blockchain ecosystems during their initial stages.

As a rising star in the cryptocurrency trading arena, Arctyl Exchange is spearheading industry transformation through its cutting-edge infrastructure and innovative trading models. By enhancing the security, convenience, and efficiency of digital asset transactions, it accelerates the arrival of the value internet era.



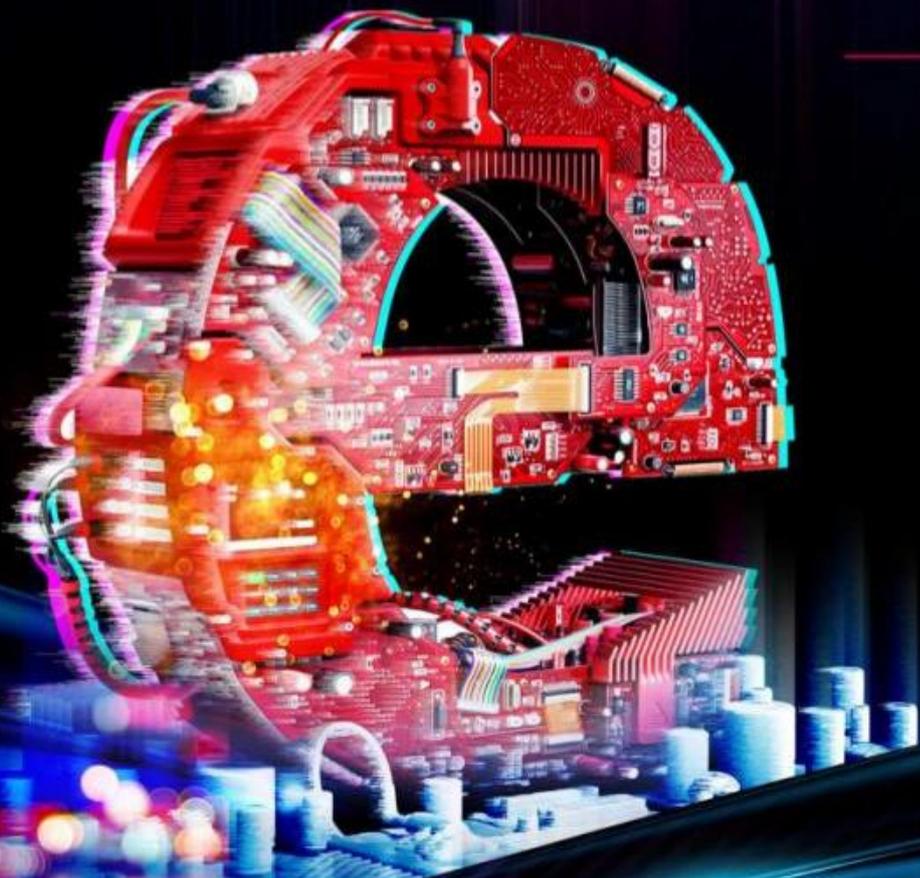
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Chapter 1: Background of Blockchain Technology Development





When bitcoin was first born, there was no concept of "blockchain". People used bitcoin(lowercase b) to denote bitcoin and Bitcoin(uppercase B) to denote its underlying technology, which we now call blockchain technology. Blockchain technology became a global fintech craze in 2015 after The Economist published a cover article titled "Blockchain Technology Reshaping the World." The world's largest financial institutions and banks are racing to research blockchain technology, with billions of dollars invested in blockchain-related companies in 2016 alone. In the following years, the application of blockchain in the real economy, such as finance, insurance, retail and justice, began to accelerate.

1.1 Evolution of blockchain technology

Peer-to-peer (P2P) communication technology -> asymmetric encryption algorithm -> chain data structure -> distributed ledger -> consensus mechanism -> smart contract

1) Peer-to-peer (P2P) communication technology

P2P communication technology is a kind of peer-to-peer Internet technology, it is not in a few servers, but rely on the common computing power and bandwidth of the participants in the network, this design is different from the traditional "client-server" model, P2P is to transfer information between equal nodes of the same level.

(2) Asymmetric encryption algorithm

Asymmetric encryption requires two secret keys for encryption and decryption, one of which is the Public Key (Public Key), the other is the Private key (Private Key), the public key and the private key are a pair, the public key is used to encrypt the data, and the corresponding private key is used to decryption. If the private key is used to sign the data, If the private key is used to sign the data, the public key is needed for verification.

3) Chained data structure

We often say the piece, is index according to stored in each block, each piece



with the chain together to form the data structure of each block size contains a block of trading information before compression value, enables the creation block to the current block to realize link, which contains all the blocks before a block reference structure, so that each block set to form a long chain.

4) distributed books

Block chain can also be regarded as a transaction database, the stored information is Shared by all the nodes, called the distributed encryption total books, through books, block chain implements its don't need a central authority or a trusted third party to coordinate interaction, validate transactions.

5) mechanism

Distributed consensus algorithm including asynchronous and consensus. Asynchronous refers to in a distributed system for message processing speed or delivery time will not make any assumptions; Consensus means that when multiple hosts form a network cluster through asynchronous communication, the network is unreliable by default and forms a consistent state through a specific mechanism, that is, consensus.

6) intelligent contracts

Smart contracts through code to define and implement carries the matters, so both sides need to establish trust, smart once activated, will automatically perform contract, it does not depend on a single server, but through the network nodes to run automatically, is completely decentralized.



1.2 block chain technology era

Through a simple timeline has not enough to describe the general picture of the new era, so I put on the analysis of the block chain is divided into four dimensions: technology, industry, government and society.

1) From a technological perspective

In an age of chain blocks, highlighting, etheric fang, ADA, ZCash, Dash digital currency and pack up, block the consensus of chain technology mechanism is also increasingly mature, and there are a lot of branches and departments. At the same time also can see, the currency of the world's highest calculate force has reached 32 eh/S, show digital currency and chain block technology entered the era of rapid growth.

2) the Angle of the industry

Block chain worldwide notes, securities, insurance, supply chain and stock certificate, traceability, to ten areas such as intellectual property rights have POC success stories, some have entered the practical stage. Not only independent developers, but also many large domestic and international financial institutions, banks and traditional enterprises have also established their own blockchain projects. Whether they conduct their own research and development, or cooperate with third parties, it proves that the application of blockchain technology in the industry is also a hot trend.

3) the government's point of view

Just for COINS, admitted in a dozen countries around the world it has monetary or similar currency, can be traded and circulation. Although China has banned the trading of Bitcoin and other digital currencies, it has also announced that it will become a national digital currency and established the China Digital Currency Research Institute. China ministry of guidance issued the first block chain standards, at the same time block chain as a strategic frontier techniques are listed in the much starker choices-and graver consequences-in national informatization planning under the State Council, the above measures are shows that the government to block or actively support the development of chain technology. In



addition, the rest of the world such as America, Russia, Japan, Britain, Singapore, France, etc. From the government's positive, actively participate in block chain technology and digital currency trading regulation, etc.

4) social point of view

Up to now, there are more than 2,000 kinds of digital currencies in the market, and the market size of the whole digital currency was nearly one trillion dollars at the peak. There are nearly 120 million web pages or academic articles related to blockchain on Google. Can see from this Angle, block chain technology is no longer an attached to the currency, Ethernet, or any technology of digital currency, but as a real independent academic research into the technology of open fields.

1.3 The global growth of digital economy has exploded

The development of technology has greatly changed the human way of life and production, and become the main economic globalization growing power, digital technology to promote the economic revolution, digital economy. Digital economy become the new era of the new engine of economic growth, for the transformation of the global economy has brought the huge opportunity, promote efficiency, productivity, and the global competitiveness of the enterprise. Before the trend of The Times, on the one hand, policy and capital are targeted together, on the other hand, various industries begin to re-examine the future development of the whole industry with digitalization as the core, and the digital economy driven by digital transformation is growing rapidly.

According to the data released by market research firm IDC, the outbreak of digital economy has become a global trend, and it is expected that by the end of 2021, the scale of global digital economy will reach 45 trillion US dollars. The era of digital economy is more fair, more transparent and more open. It is not only a change of technology, but also a change of thought -- altruism. Digital economy era will be more beautiful, not because of the relationship between human and machine changed, but the human mind has changed, changed the relationship between human beings; In the era of digital economy, you are in each other and



you are in each other. The idea of digital economy enables everyone to be connected, achieve and strengthen each other. In the past, 20% of people will benefit, and in the future, 80% of people will benefit. In the era of digital economy, encryption currencies will assume a more important role.

1) It can reduce the risk of fund trust

Block chain technology has the characteristics of open, transparent, participants can know system operation rules, verify the account books content and the authenticity of the tectonic history and integrity, to ensure that the trading history is reliable and has not been tampered with, equivalent to improve the system of accountability for sex, reducing the risk system of trust. Block chain, for example, can avoid frequent thunder, current run of events.

2) It can improve the efficiency of capital payment, transaction and settlement

On the block chain, the process of trading is confirmed is the process of clearing, settlement and auditing. Block chain using distributed calculation, all transactions are real-time display in a global Shared spreadsheet platform, real-time liquidation, to enhance the efficiency. But block chain can promote the efficiency level of minutes, let the settlement risk by 99%, effectively reduce the cost of capital and systemic risk.

3) It can effectively prevent failures and attacks

The traditional financial model is centered on financial institutions such as exchanges or banks. Once the center fails or is attacked, the overall network may be paralyzed and trading will be suspended. Blockchain is supported by many distributed nodes and computer servers on a peer-to-peer network. Problems in any part will not affect the overall operation, and each node keeps a copy of blockchain data. Therefore, blockchain has built-in business continuity, with high reliability and fault tolerance.

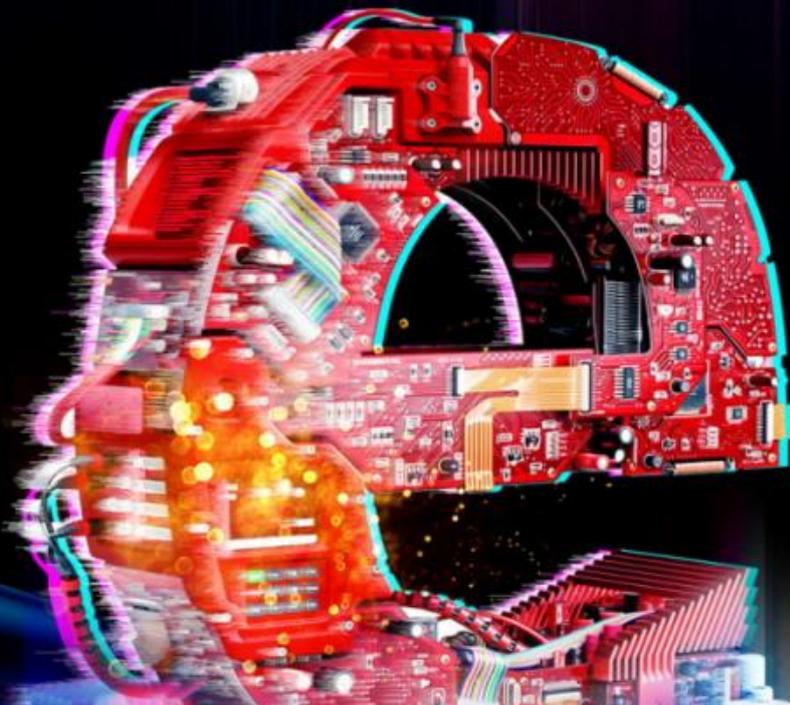
4) It can improve the level of automation

Because all documents or encryption monetary assets be able to be reflected in the form of a code or a ledger, through the data processing program of the chain block set, intelligent and automatic trading contract may implement in the chain of

blocks. Intelligent contracts, for example, can put a set of financial terms of the contract written agreement, to ensure that the contract automatically and pay breach of contract.



Chapter 2: Digital Currency Exchanges



Digital currency exchange has been connected digital currency trading and context is the core of enterprise bond.

2.1 Development history of the exchange

The development of digital currency exchanges has always been closely related to national policies. The development of digital currency can be roughly divided into three stages:

1) Budding period (2010-2012)

The first batch of exchanges were established in 2010, and the main trading currency was Bitcoin. At the time, the value of bitcoin and other digital currencies was not widely recognized by the market, the price of the coins was relatively low, the number of exchanges was small, and the market was in its infancy.

2) Growth period (2013-2016)

In 2013, Bitcoin and other digital currencies were gradually recognized by the market, and the price of the currency rose sharply. The market demand for digital currency trading was increasingly strong, which led to the increase of the number of digital currency exchanges.

3) Development period (2017-present)

The third batch of exchanges entered the market in 2017, when the price of bitcoin skyrocketed, ICO projects blossomed, and the number of exchanges further soared, reaching a peak at the end of 2017. Affected by the currency prices, after the new exchange quantity back to a certain extent, but it is still maintaining high growth.

2.2 Exchange market size

Look from the competitive environment, the industry position of the head exchange had not yet been established, the possibility of overtaking latecomers corner at any time. Now exchange competition intensity is not high; The digital currency industry has a large incremental market; The exchange product form is single, lack of differentiated competition, based on the above environment, new entrants still have the possibility to challenge the head exchange.

User source, exchange of user source concentration is high, the slow process of globalization. Through the relevant data, the study found 30 global mainstream exchange source of user in the following status: most of the exchange of user source highly concentrated in several countries; Support the more language exchange, its source of user more widely, the higher the level of globalization; Users are more likely to trade on local (or native-established) exchanges.

According to statistics, there are more than 200 digital currency exchanges in the world that can generate trading volume. 51 exchanges with a daily turnover of more than \$100 million: 23 of them are located in Asia, which is the most active region for digital currency trading, followed by North America with 11 and Europe with 7, Australia with 4 and Africa with 3.



2.3 Exchange existing pain points

1) security

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. Crypto Aware data show that since 2011, more than \$1.7 billion digital assets lost due to hacker attacks or platform loopholes, only in the first quarter of 2020, digital currency lost more than \$670 million.

2) the stability

As investors poured into lead to higher average daily trading volume continued, the existing trading platform infrastructure building and the expansion of server performance is insufficient, it is very difficult to investors to provide a stable smooth trade experience; Transfer is slow, system failure, the trading card list.

3) Lack 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.

(4) Lack of community construction

Community interaction is an important part of the lack of digital asset ecology at present. There is a lack of communication among many investors, and community effect cannot be formed. In fact, the expansion of digital assets ecological cannot leave the community construction, improve the community to strengthen the connection between the investors, to attract more users.

5) Lack of investor education



Block industry chain as well as digital assets investment threshold is higher, the user needs to have very cutting-edge knowledge system was able to become a qualified investors. Currently on the market for many block chain education courses, but actually the content is good and bad are intermingled, and digital assets investment not only need to master relevant knowledge block chain, also need to have the correct investment concept and master professional knowledge. Throughout the trading platform of the existing investor education sector is still blank, trading platform to set up the investor education sector, not only can improve the level of the user's investment, more important is to increase existing user viscosity, attract more new users, this will supply enough power for the sustainable development of trading platform.

6) Lack of market depth

The market depth of a trading platform has a great impact on user experience and investment costs. 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.

2.4 The birth of Arctyl Exchange

In view of the existing disadvantages of the exchange, Arctyl Exchange has gradually entered people's vision because of its excellent pain point solution and advantages of safety, stability and efficiency. In Arctyl exchange, the user to have absolute control over their own assets and exchange only responsible for providing digital currency liquidity, dealmaking by intelligent to complete the contract, the final settlement and settlement and so on, through chain network ensures the transparency of transactions, greatly reducing the user's trust in the exchange cost.

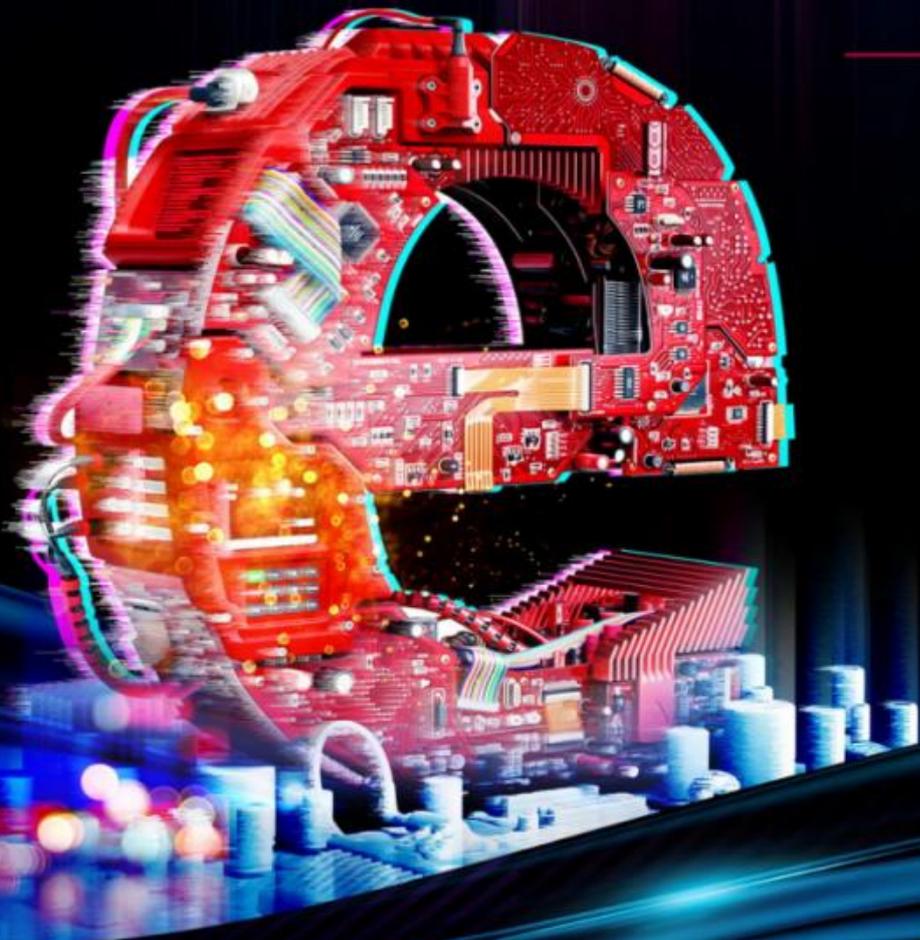
Our vision is to provide a fair, transparent, compliant, credible and fully circulating value discovery platform for high-quality blockchain digital assets around the world, to provide a safe, stable, intimate service and trustworthy trading

platform for digital asset enthusiasts around the world, and to 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.

Our mission is to give full play to our technological advantages and operational strength, and provide a fair, open and free working environment and competition stage for the global blockchain industry by providing a fully integrated trading platform for blockchain digital assets, so as to promote the rapid development of blockchain technology, link the value of digital assets, and integrate blockchain technology into life.



Chapter 3: Overview of Arctyl Exchange





3.1 Introduction to Arctyl Exchange

Arctyl Exchange, headquartered in the United States, aims to build a global digital asset trading platform that includes diversified trading products such as trading, information and contracts.

Arctyl by top global capital and technology team, designed to create encrypted digital currency exchange based on block chain 4.0 ecological system, to provide hundreds of digital asset category trading and related services, and the technology platform, product feeder, safety risk control system, continuous deep tillage operations and customer service system, etc. At present, the core business of the platform includes market information, currency trading, over-the-counter trading, wallet services, social services, blockchain underlying theoretical research, public welfare and charity, incubator, etc.

Arctyl vision is to provide global quality chain block digital assets the value of fair and transparent, credible, full circulation of compliance found platform, for lovers to provide security and stability of the global digital assets, considerate service, reliable trading platform, to establish a world without borders and racial divide block chain digital asset finance ecology. At the same time, it will continue to explore ecological applications to create a new generation of digital asset trading business territory.

In addition, Arctyl has been continuously investing in, supporting and incubating related projects in the field of cross-border payment. In cooperation with IDG Capital, Arctyl has successfully implemented several payment-related projects. Arctyl continues to promote the borderless flow of value, and is committed to making cross-border payments more efficient, convenient and secure. Arctyl is also committed to promoting the creation of a third blockchain ecosystem besides Bitcoin and Ethereum, and expanding the application and technical boundaries of blockchain technology, so that ordinary Internet users can feel the value of blockchain technology. The projects Arctyl has participated in include: Qtum, Cosmos, Coindesk, Cryptovest, etc.

As one of the global leader in the field of digital assets, Arctyl has become each big high quality projects, especially for the excavation and support of the new project, Arctyl forefront. From Arctyl developing, we can clearly see that behind the



precise value capture, is Arctyl persistent belief keeps to promote industry development.

First, Arctyl will provide a diversified trading service system, including:

- Comprehensive market information system: it will provide users with important content including but not limited to market trends, changes of major position addresses, development progress, code updates, community popularity, trading volume, capital inflow and outflow information and industry information of each digital asset listed and traded on Arctyl trading platform.
- Strategy development system: develop your own quantitative strategies based on market trends.
- Tracking system: users can choose excellent investors they trust as their tracking targets for following trading.

Secondly, Arctyl will provide a variety of financial products, in addition to the existing mainstream digital assets spot trading, but also provide a variety of trading products including contract trading, over-the-counter trading, such as perpetual contracts, flash contracts, simulation trading and so on. The sustainable contract mode for sustainable contracts without the advantages of the delivery period, at the same time in the operation of the ease and trading depth has bigger advantage; Lightning contract has the advantages of lightning opening, stable position holding and strong anti-interference ability. It can directly judge the market in a short period of time and quickly open positions. Lightning contract can guarantee 100% rapid transaction of market opening and 100% zero slip point of opening and closing positions.

Simulated trading for Arctyl exchanges starting come up with a new gameplay feature of contract, its operating mode is consistent with the firm contract, the user can through the simulation field, to predict movements in advance, point, speculated that trend, convenient better into practical operation.

In addition to the above points, Arctyl will also establish a sound protection mechanism. Once the existing trading platform has loopholes or is stolen by hackers and other events, it is difficult for users to be compensated for their losses. To protect platform users, Arctyl has set up an investor protection fund. At the same

time, Arctyl will vigorously promote social transactions.

In addition to the excellent investor tracking system, Arctyl will develop IM real-time communication system, build investor community, and encourage users to communicate and learn from each other. The construction of the community enriches the source of investment information and assists investors to make more comprehensive judgments and operations. Individual investors can also establish communities to jointly develop trading strategies and exchange investment experiences. Arctyl investor education sector, will be set up to provide users with professional, comprehensive, systematic digital assets investment education courses, help platform users say goodbye to blind investment, become a qualified investors in the field of digital assets.



3.2 transaction function system

1) Coin and coin trading

Arctyl Exchange will connect with the whole network through the API interface, providing investors with sufficient digital asset trading. 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 transaction price can use market price trading and limit price trading, users can



trade according to their own needs. At the same time, in order to prevent users from placing wrong orders and causing abnormal market price fluctuations and personal capital losses, Arctyl Exchange will provide real-time reminder service.

2) OTC trading area

Arctyl Exchange will also set up an OTC trading area and launch OTC fiat currency exchange, where users can directly exchange BTC, ETH, USDT and other digital assets with fiat currency in the OTC trading area. Currently Arctyl will support all mainstream legal tender in trade on the market.

3) through credit derivatives

Provide Arctyl exchange include syndrome forwards, swaps and syndrome futures, options and sustainable contracts, such as general credit derivatives trading.

- Token-forward: It is an OTC trading model, and there is no standardized format for contract size and content. The Arctyl Exchange currently develops forward contracts for the top 10 tokens by market capitalization. Based on forward contracts for hedging and avoiding risk, rather than speculation, through the long-term bull need 100% of collateral as a security deposit.
- Token swap: a combination of two or more trades in opposite directions with different delivery periods. It smooths out a trader's token holding positions at different maturities to zero, thereby largely avoiding trading risk. At the same time also provide more flexible for high-risk investors trading tools.

Through the futures: relative to the pass card forward, syndrome is more standardized futures contract, embodies the standardization by Arctyl uniform contract number and date of delivery of the units, so adopt public bidding on the futures trading platform trading patterns.

Pass card options: Arctyl exchange will launch the options, divided into Call (Call Crypto Option) and Put (Put Crypto Option), in order to satisfy the demands of diversified investment. Unlike token futures, a long position in a token option has the right but not the obligation to deliver, while a short position has the obligation to deliver based on the long's choice.

, sustainable contract: Arctyl exchange will provide sustainable contract, the contract can be highly leveraged copy under the condition of the spot market. Not delivery, and can through a variety of mechanisms with reference price index, one of the main mechanisms for cost price index funds, namely according to the price index to calculate capital cost rate.

3.3 Systematic risk control

- Database read/write separation mechanism: In the early stage, system risk control generally ensures the synchronization and read/write separation of the data between the database and the risk control system by establishing the database master/slave replication, read/write separation, Sharding and other mechanisms. System of risk control for the necessary customer/account data, transaction data is generally only read permission, to ensure that the account data safe and reliable.
- Cache/memory database mechanism: An efficient cache system is an effective measure to improve performance. This mechanism generally stores frequently used data in a cache system such as Redis. Rules such as risk control, risk control, intermediate result set case, black and white list, the result of preprocessing, transaction parameters, billing template, clear and settlement rules, FenRun rules and other data. For some high-frequency trading, based on performance considerations, will use the memory database for storage (usually) combined with SSD hard disk.
- RPC/SOA architecture: reducing transaction system and coupling system of risk control. In under the circumstances of less initial system services, such as general directly using the RabbitMQ/ActiveMQ message middleware or RPC way to realize the system between service invocation. When the system service, service governance problems, will adopt Dubbo SOA middleware to implement such system service call.

Complex event processing (CEP) : real-time/quasi real-time transaction risk control, relative to the purely based on the rules of processing mode, adopted complex event processing (CEP) model, the performance and better scalability.

3.4 operational risk control

Operational risk is the risk inherent in the operation and management activities of the trading platform. Arctyl regards operational risk management as an important part of its own risk control system. So-called operational risk, is due to the imperfect internal procedures, personnel, or have a problem, and the risk of losses caused by external events. Arctyl operational risk control system is under the overall risk management framework, through a comprehensive internal regulation, effective identification, assessment, inspection, control and report operational risk, to ensure normal platform business, sustained and steady development. Arctyl establish specialized compliance and risk management department is responsible for the organization and implementation of operational risk management specific work, specific duties include:

Organization, formulate, revise and improve the system of trading platform in all kinds of business, process, in order to effectively guard against operational risk.

, assist related business and support department to identify, evaluate, test, control the corresponding operational risk of business lines or related department.

Handle time, set up a trading platform, operation risk and accountability, as well as the operational risk loss shall be investigated for the mechanism.

, regular/irregular for all business and support departments involved in operational risk management and compliance checks, analysis, assessment and issue the corresponding opinion and the improvement requirements.

Trading platform, monitoring the key indicators of risk from various business lines, according to regulatory requirements change and development business to be/not regularly updated on a regular basis.

Analysis on a regular basis, evaluate the situation of the management of operational risk related business line, operational risk and loss data collection and reporting company.

3.5 Product risk control

The first stage of the product risk control are mainly concentrated in the products listed in front of the due diligence, including the historical data in the database and the rationality of the test parameters, using the historical transaction data or standardized derivatives contracts and its market value to through the model test, determine the design rationality.

In the second stage, product risk control focuses on the stage of stable operation of products. By formulating standardized terms for the access of various financial products, locking pieces are set up in the form of smart contracts. After all financial products that pass the audit are put online, they are issued and sold in the form of decentralized data of blockchain to form a financial product database. At this stage, investors can choose products freely. Each product will not mislead investors due to human background. The instructions of all listed products are supported by the data generated after strict intelligent review, and these data cannot be changed or deleted permanently.

3.6 Review of SGD listing

Arctyl Platform will set up a project review 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, Arctyl will introduce authoritative third-party rating agencies to independently review the listing projects. Arctyl will introduce internationally renowned third-party authorities to participate in the review of all aspects of the project listing transaction to ensure the authenticity, objectivity, reasonability and credibility of the review results.

- Review of listing procedures: Arctyl will first examine whether a new listing currency complies with the listing procedures of the trading platform, from application for listing, registration and filing of application documents, submission to the Listing Committee for review, issuance of review opinions, and preparation for listing.



- Code review: A professional code review department is set up under the Project Review Committee to conduct a comprehensive review of the architecture, readability and maintainability of the new listing 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 entropy, the white paper, also in order to protect the rights and interests of investors, project review board consists of white paper audit department, the authenticity and rationality of the white paper in-depth analysis and review.

- Legal compliance review: The Project Audit Committee will also set up a special legal audit department to review the legal compliance of each newly listed currency to ensure compliance with the legal requirements of the project location and avoid related non-compliance risks.
- Financial review: A financial audit department will be set up under the Project Audit Committee to review the allocation of tokens as revealed in the white paper of the project, and the project party will be required to regularly disclose the use of the raised funds to ensure the rationality of the use of the funds.

Chapter 4 Arctyl Functional Support

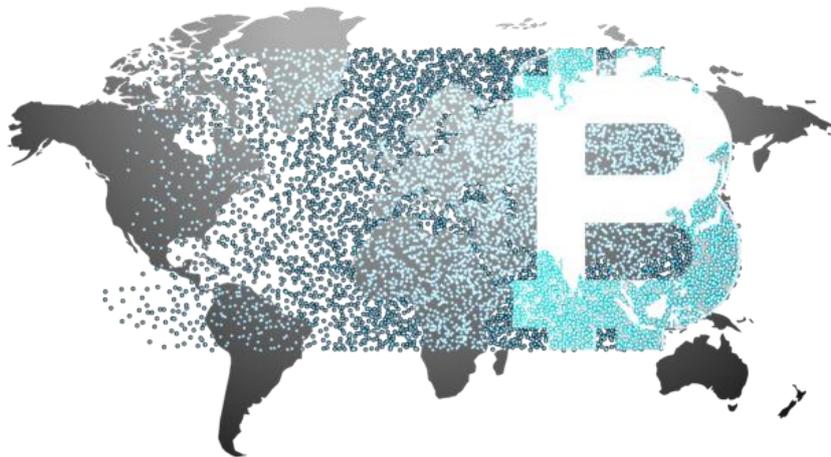


4.1 Asset Registration

Asset register is one of the basic functions Arctyl exchange, asset register process usually performed by gateway or gateway proxy. All assets registered by the gateway or the agent need to obtain the trust of the asset owner, and only the two trusted parties can trade the same asset.

Registered assets are mainly divided into:

- Current-type assets: current-type assets are mainly used to connect the gateway with other digital currencies and digital asset platforms. For example, the gateway can register the asset code of BTC, and any account with BTC can trust the gateway and recharge BTC assets to the gateway account. There is no limit to the amount of currency type assets. The gateway can register as many asset symbols as the actual currency assets it has.
- Physical assets: mainly refers to the digitization of assets, such assets are generally registered by enterprises or institutions and sold by gateways. Such assets generally have a certain amount, after the registration, will be by way of killing operation access threshold, the asset register party no longer raising.





4.2 Arctyl wallet

For ordinary users convenient use the purse, wallet Arctyl exchange adopts SPV method, namely through the Web access to the purse. Wallet using SSL protocol, supporting the symantec CA certificate. At the same time, the wallet can support thermal purse and wallet.

, cold purse: suitable for big money wallet, purse of public and private key generated off-line on, the user can generate any favorite key pair, the key is selected, can provide public key to accept large funds, beginning with a G their hosting keep begins with a S private key information.

, hot purse: hot purse for quick trading scenario, small thermal purse key is managed, when a user registered account wallet, will be paid using the user's password in the user's computer to generate a private key local by 3 des encryption, encryption and the result was through the SSL protocol in custody purse the cloud. That is, the hot wallet key information transmitted over the network and stored in the cloud is the encrypted data of the user, and the original content of the private key cannot be obtained by anyone except the wallet user.

When the user needs to sign the transaction, the hosted private key will be obtained from the cloud server of the wallet, and the content will be decrypted on the user's local computer by the user entering the payment password. After the decryption is successful, the local program of the wallet will sign the transaction information with the private key and submit it to the global intelligent trading center network for transaction.

Arctyl purse contains two types of assets: underlying assets, and assets, registration properties similar to the real life in the wallet RMB and all kinds of CARDS. Native to use without any trust assets, gateway registration must trust the corresponding assets can exchange value.



4.3 block chain browser

Arctyl exchanges provide block chain browser, for ordinary users to check any development based on Arctyl exchange application shows the number of assets. Chain different browsers support link the block chain node query books, and can generate real-time observation of each block, each transaction, accounts, corresponding input can query account balance of varieties of assets, and all the transaction records.

4.4 quantitative arbitrage support

When a user in the platform to buy any currency exchange, the platform will automatically match buy currency for the current price is the lowest exchange to buy. When selling, matching the world's highest price exchange platform to sell. And that everything is based on the Arctyl quantitative carry trade agreement.

Dealmaking service, adopts distributed load and storage architecture, avoid due to a server failure cause service stop;

Holds up millions of times per second, matching the request, the service support horizontal extension, with the rapid expansion of business growth,

Service invocation using the HTTPS protocol, and join the authentication and tamper proof mechanisms such as improve security.

4.5 the global business ecological support

Future, Arctyl exchange technology based on block chain, can do the global



business products, business services, digital asset management, digital asset transactions, financial services production digital, mode of application, as the building blocks to the global digital business, digital to block chain step by step, so forming a kingdom of business assets.

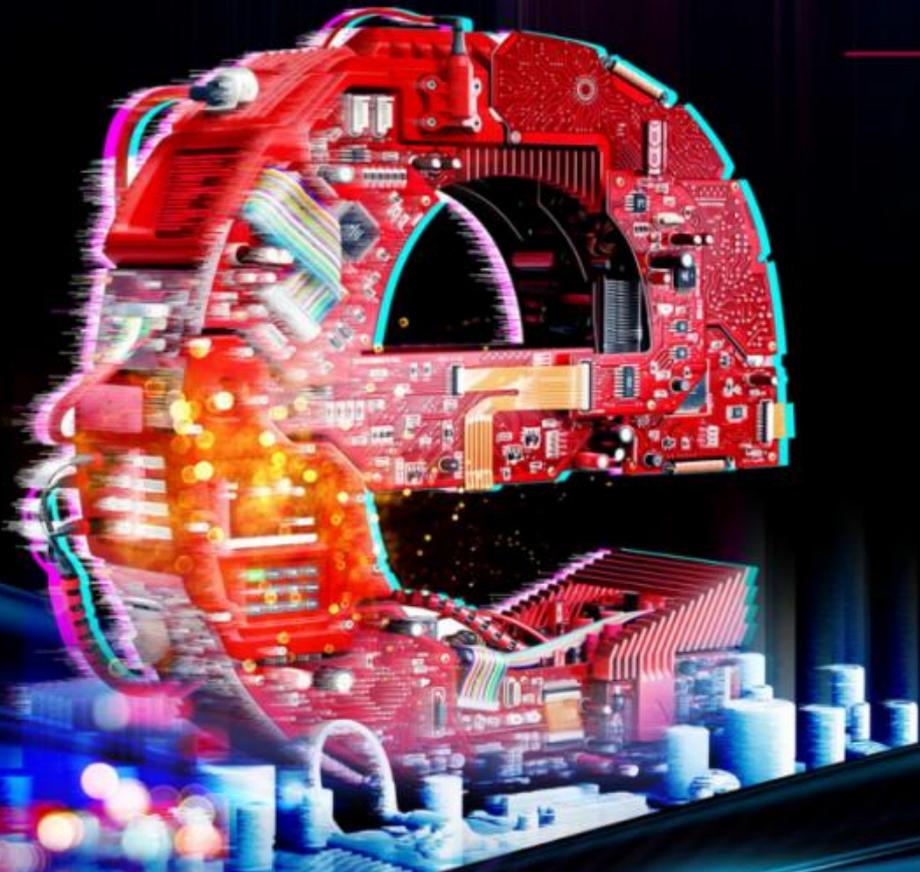
Through the application of digital global financial Arctyl exchanges will be comprehensive global financial ecology:

Circulation of the global trade, block chain based Arctyl circulation of the global trade (online and offline) at the grass-roots level.

- Financial system, a blueprint for the future of global circulation of financial services, financial financing, financial investment and financial payment.

, ecological basis, after landing entity, global Arctyl exchange users will get the financial ecosystem with project as feedback of profit, as Arctyl exchange value appreciation, participants will get the chance to be more ecological and exchange of regurgitation feeding value.

Chapter 5 Arctyl Technology System





5.1 design principles

(1) business drive principle

Arctyl exchange in-depth study different types of industries business pain points and solution on the spot to determine platform needs, don't do design.

2) technical difficulties breakthrough principle

The technical difficulties existing problems in the research block chain itself, and on key issues, design customized solutions or absorb community solutions, promote the competitiveness of the platform.

3) the principle of stable platform

May occur in the future application block chain uncertainty, but block chain technology must be constantly changing. Chain platform must be refined and abstract the block variable with the same part of the chain, for the part of change, need to be able to change in the low cost, as far as possible to the business to provide a relatively stable platform.





5.2 System architecture

Arctyl exchange from the top down design method, the first is focused on the design of the block chain agreement, standardization and application of data chain communication problem; Second is to define a generic block chain system component model, implement the specific functional components loosely coupled and pluggable, solve the applications according to the specific circumstances of custom extensions need; Finally, based on the standardized protocols and block chain component model, provide a concrete block chain platform implementation and related tools and development kit, commercial grade block chain applications provide a platform for fast implementation and tools.

1) block chain agreements

Arctyl Exchange blockchain protocol, as the top-level architecture design, defines the data format standard of blockchain, including the data standard of ledger state, historical proof, ledger operation set and contract instruction set.

2) component model

"Component model" is the framework model of blockchain logical components, which is the implementation framework of Arctyl Exchange blockchain protocol. It includes four components: consensus network, ledger, persistence engine and contract engine.

3) service model

The "service model" is a concrete implementation of the upper blockchain protocol and component model, which consists of gateway, service, node network, SDK and a set of tools.

5.3 Ledger Protocol

The ledger protocol is a standard model defined from a data point of view and



consists of two definitions:

The standard format for ledger data consists of two parts:

- "Ledger status" represents the current real-time data content;

"History", said the bill the characteristics of the data and data changes the characteristics of history.

The standard format for instructions to read and write ledger data consists of two parts:

- The "Ledger Operation set" defines the standard representation of the types of write operations for ledger data and the standard format of the parameters;

", "contract instruction set defines the standardization of language instruction format contract.

Define the bill is for the purpose of this agreement the data on the chain can be standardized to exchange, verification, storage and use, can block chain network across different technical implementation, has nothing to do specific data store.

1) books

Here the word "state" is a concept in the field of computer, said in the block chain system at some point of the situation, by the system to save the business data and control properties of the system operation.

The "Ledger status" of Arctyl Exchange consists of "Identity", "KV data", "Permission" and "Contract code".

- The "identity" is represented by a "blockchain Address" and the corresponding asymmetric key pair/certificate;
- "KV data" is the account book data representation form, which is uniquely identified by Key and recorded by Value;

Said, "contract code" state changes of logic, on contract instruction sequence;

- "rights" is the "identity" to "KV data" and "contract code" access control code.

2) Ledger operation set

The "Ledger operation set" is to define a common standard for cross-chain interoperability, including standard code for "types" and standard format for "parameters". Typical operations include:

- identity registration
- state data reading and writing
- Contract deployment
- Contract invocation
- Permission Settings

3) contract instruction set

Blockchain defines the control and transition logic of business state in the form of contract language. By designing a standardized contract language instruction set, various complex business logics can be expressed in a general way, which is independent of the specific programming language.

On the one hand, follow the standard contract instruction set, block chain system can have good generality; On the other hand, developers can be written in different programming languages intelligent contracts, reduces the learning barriers, satisfies the requirement of different team technology stack.



5.4 a component model

"Component model" is a logical functional module design, is the logical framework to implement the account book protocol. The standardized interface of components is defined, which makes the implementation of blockchain system following the component model have the characteristics of loose coupling and pluggable.

1) network

At present, the typical consensus algorithms mainly include PoW, PoS, PBFT, Raft, Paxos, etc. By contrast, found that these algorithms can abstract during operation the following stages:

- Trading diffusion;
- Trade sequencing;
- call the trade execution program;
- Consensus on the results of trade execution;
- submit consensus results.

Consensus algorithms differ in their implementation strategies at different stages.

Spread in the deal, PoW, PoS algorithm and sorting, do not use atomic broadcast protocol, at the same time, in the form of randomized selected leader nodes perform sorting, thus causes a deal may be randomly discarded.

- Raft, Paxos algorithm to atomic broadcast and sorting of all transactions, but in the process of consensus does not handle the Byzantine error.
- The PBFT algorithm atomically broadcasts and sorts all transactions while handling Byzantine errors in the consensus phase and does not support dynamic adjustment of nodes.

Based on the characteristics of commercial-grade application scenarios in various industries, we choose the BFT-like algorithm for optimization, which provides the characteristics of deterministic transaction execution, Byzantine fault tolerance, and dynamic node adjustment.

The consensus network components of Arctyl Exchange are designed according to the idea of modularization, and are encapsulated based on the above common stages to abstract an extensible standard interface.

2) Ledger

The ledger state is separated from the contract, and the identity-based access control protocol is used to restrict the access of the contract to the state. This design pattern of separating data from logic is a typical anemia model, which can provide stateless logical abstraction for the upper-layer business logic.

3) Persistent storage

Defines persistence format of books information as more concise KV format data, makes the mature no database can be used to realize persistent storage. On no database based on the mature mass data storage solution, make block chain system can support huge deal.

4) contract engine

The contract engine consists of two parts: the front-end includes the contract high-level language specification and its tool chain, and the back-end is a lightweight contract intermediate code execution environment. All through the books to the operation of the account book component provides the API implementation.





5.5 the chain model

Arctyl exchange, independent research and development across chain technology scheme based on sign, support the etheric fang, wave field, quantum chain and other assets across the chain.

User to complete A cross chain business, first, the user to A assets is sent to A specific address on the main chain, the specific address is multisignature. Multiple signature address advantage is that can maintain the security of assets are locked in the 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 Arctyltrust contracts, the safety of the user in the Arctyl exchange account this new assets, such completed assets from the main chain Arctyltrust contract transfer process.

So, if you want to transfer their assets from the main chain of the EOS to A main chain, the user first need to launch the Arctyl exchange withdrawal requests, tokens will be withdrawal to the relay, 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, prepaid phone is on A main chain made with A certain number of tokens, and then according to the mixed set tokens in the chain of EOS issue new 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.



5.6 the service model

Arctyl exchange service model of chain gateway function module is divided into blocks, service chain nodes, the block chain network, four parts form a complete set of tools.

1) block chain 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: provide full localization of private key storage function;

Privacy: privacy protection is realized by using the end-to-end encryption methods;

- Protocol conversion: provides a lightweight HTTP Restful Service that ADAPTS to the blockchain node API of TCP protocol.

2) Blockchain node service

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 authentication and authorization;
- Object-oriented ledger data access framework;

Event notification mechanism;

- smart contract management.

3) Blockchain consensus network

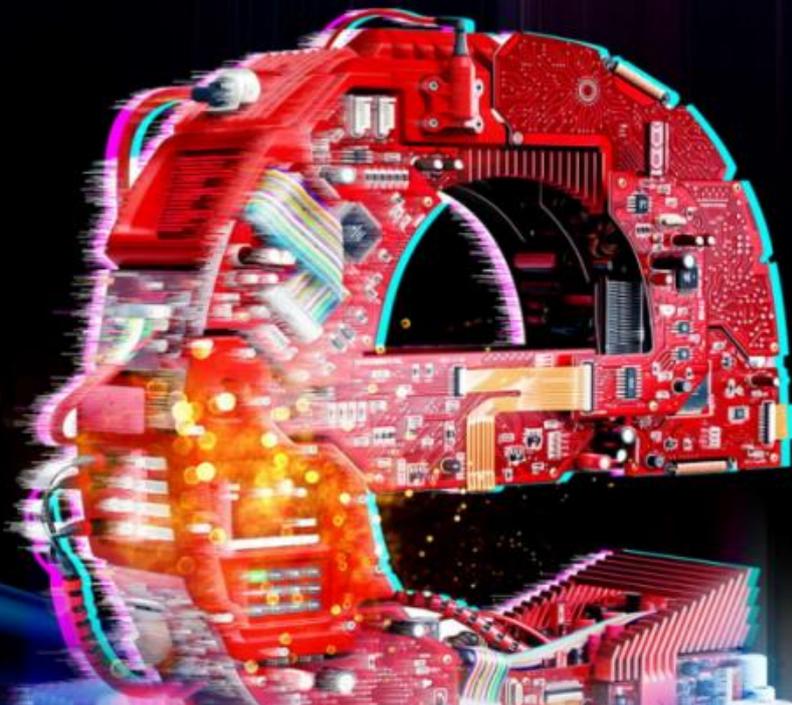
A network composed of consensus nodes that ensures that transaction data is consistent across nodes based on P2P networks and consensus algorithms.

4) Tools

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



Chapter 6: Technical Advantages of Arctyl





6.1 High Security

Arctyl will be based on independent research and development of the underlying block chain network, and referencing past mature male chain system, to ensure the highest level of security. Advanced multilayer, many of the cluster system architecture, the development of multi-tier architecture and service way to significantly improve the performance of the system, security, stability and expansibility; Function deployment, version updates without downtime, the maximum guarantee the operation of the end user experience.

In addition to the security and stability support at the technical level mentioned above, at the operational level, the exchange has a number of financial product experts and technical security experts, as well as an international-level risk control team to provide due diligence, project rating, smart contract audit, risk assessment and other services for digital assets, providing multi-dimensional security and risk control guarantee.

6.2 Extreme speed trading

Arctyl independent research and development of the underlying block chain network ensures that users can enjoy the experience of speed, the highest speed can reach millions of orders of magnitude. The self-developed transaction matching engine, advanced distributed cluster architecture and micro-service development mode make each transaction pair can be deployed on different servers for matching, so it can achieve linear expansion capacity, and can handle up to 5 million transactions per second concurrently. Securities backed by advanced algorithm for institutional investors and individual investors to provide professional high-frequency trading support; Matching efficiency is at the level of 100,000 TPS, the highest measured matching speed has reached 130,000 / second, smooth trading, no lag and delay.



6.3 high transparency

Arctyl will upload the transaction information on the chain to eliminate the possible behaviors such as inflated IOU and misappropriation of user margin to bet against the market in the operation of the existing platform; Reduce the risk of using the trading platform and increase the transparency of the trading platform.

6.4 High privacy

Many platforms collect user information through KYC, which increases the risk of user information leakage, while Arctyl Exchange will encrypt user information and transaction information through cryptography technology to protect the privacy of user information.

6.5 Low transaction cost

Arctyl Exchange will provide flexible and diverse trading methods for users to choose from. Users with a large amount of trading capital can choose the whole process of trading information on the chain, in this way, the security of the transaction has the highest guarantee; At the same time, because each link needs to consume Gas fees and transaction costs are high, users with small amount of capital or no requirements for security can choose part of the transaction process information on the chain, only need to put the settlement information of the transaction on the chain, and the transaction matching, custody and other processes are carried out under the chain, and the final transaction cost is low.

More than 6.6 system support



Based on ecological Arctyl powerful system and for the need of different types of customer service, global platform will provide including trading currency stability, high performance, safety, liquidity, multilingual, multiple clients support and derivatives, etc.

1) Trading currency support

The Arctyl exchange built by us supports fiat currency and digital assets, in which fiat currency is settled through C2C gold flow system, and the transaction pair supports fiat currency transaction pair and coin currency transaction pair. In terms of trading varieties, it mainly supports mainstream digital currencies and high-quality digital assets, and supports dozens of mainstream digital currencies. Digital assets need to go through strict due diligence, project rating, smart contract audit, risk assessment and other processes to confirm that they are high-quality digital assets before they can be opened for trading on exchanges.

2) liquidity support

Arctyl 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. The main measures are as follows:

- We have rich resources and a large number of partners in the industry, and actively cooperate with outstanding mines, investment funds, financial teams and major trading houses around the world to provide liquidity support.
- Increase the number of users, activity and liquidity of the platform through diversified business models and commercial fission, as well as rich and diverse blockchain applications.

Strategy, through the exchange, on the one hand, in proprietary site compliance market development, on the other hand for the worldwide resource, traffic, provide the technical support team to open exchange of capital advantage, this alliance mode can realize centralized exchange more depth sharing, between different countries, different sites are cancelled can clinch a deal, To each site, including Arctyl exchange provides ample liquidity support.

Exchange not only provides the API (Application Programming Interface,



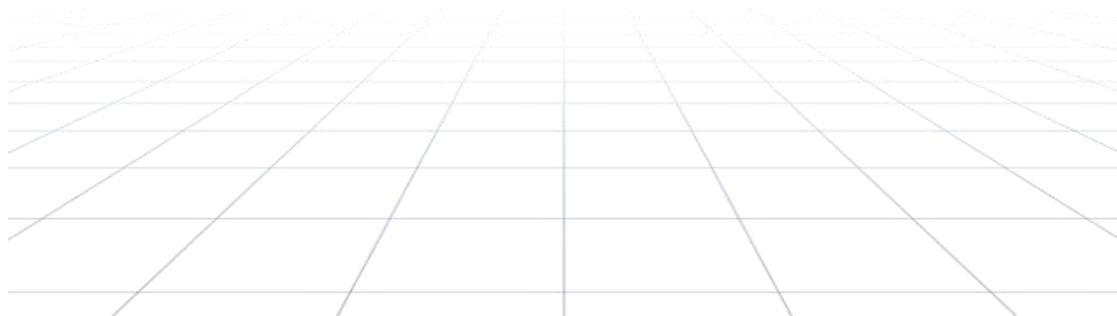
Application Programming Interface) for high-frequency trading program is invoked, wallet, DApps third party, but also through technical means to share with other exchanges depth, to provide more liquidity.

3) the multi-language support

In our plan Arctyl original version supports English, simplified Chinese, traditional Chinese, Japanese and other languages, the subsequent will support including Korean, Russian, Arabic, French, Spanish, Portuguese, German, etc, a variety of languages. In the future, will support the common language of more than 100 countries and regions, digital assets transaction platform to build world-class block chain clears the language barrier.

4) Multi-client support

Future, Arctyl have PC, as well as IOS and Android version of the APP, at the same time support for Mac, Windows terminal browsing, H5 mobile version is in development, soon will also support mobile web access and use. In addition, Arctyl will also open various forms of API interfaces to the outside world for high-frequency trading programs, wallets, DApps and other third parties.



Chapter 7 Arctyl's Physical Ecology





Arctyl as the world's top digital currency trading platform, will be more about trading business entity of ecological construction, including: Arctyl Cloud, Arctyl charity, Arctyl block chain institute, Arctyl incubator, etc.

7.1 Arctyl Cloud

Arctyl Cloud is based on the underlying Arctyl exchange of advanced technology and system architecture, build the exchange of one-stop solution, support the Cloud deployment and deploy independently, let the third party to open my own exchange in the case of zero technology, has an independent background, independent brand, and independent on the currency.

Based on Arctyl Cloud create the union station, can fully inherit Arctyl exchange in aspects such as efficiency, security and stability of advantage, and can be Shared between different countries, different sites trading depth, fully guaranteed exchange liquid. Arctyl Cloud is Arctyl exchange compliance aspects of major strategic layout in the whole world, the future will support distributed in 100 countries and regions of the world's more than thousand proprietary site and join in. These sites a licensed or is applying for multiple areas of exchange, and is through the local legal tender of the channel. Based on Arctyl Cloud of union station has certain payment threshold, will also be Shared with Arctyl exchange transaction fees, or even share the equity of union station or flat nt dollar.

7.2 Arctyl charity

In Arctyl digital assets investment fund's support, we will launch Arctyl charity, as to block chain technology drive to promote social public welfare fund, aimed at using block chain technology provide transparency, high efficiency and accountability to redefine charitable public welfare undertakings, promote the realization of global sustainable development goals.

For charity transparency idea Arctyl charitable foundation construction



technology combined with block chain agreement will be decentralized charity platform, promote the maximization of the value of each participant in the charity industry. The system will use the decentralized technology, make traditional charitable activities more efficient, reduce the intermediate costs, increase transparency, and better monitor and evaluate the charitable activities on the influence of the final recipients.

In Arctyl Charity, the smart contract can be automatically executed after the relevant conditions and requirements are set. For example, when the platform receives a request for help from a poor child, the system automatically generates a smart contract. After the smart contract confirms its authenticity, it provides a rescue plan. The amount of money, how the money is used, and the effect it will achieve will be reflected in the contract. The whole contract can be automatically operated from collection to execution, and the execution will be automatically given feedback. The whole process does not require manual intervention, and is supervised by all the parties involved. Through the automatic mode of smart contract, the smooth implementation of the project is ensured.

7.3 Arctyl Blockchain Research Institute

Arctyl Blockchain Research Institute will be committed to building digital financial infrastructure and services based on blockchain technology, focusing on independent core technology research and development, industry application and governance model research of blockchain; It will use the underlying technology accumulation combined with the actual demand to empower the blockchain technology in the real industry and customize one-stop solutions, from which it will explore the value maximization of industrial empowerment.

At the same time, Arctyl block chain institute for chain professionals and developers to provide the block chain education training certification, tools and resources to make Arctyl chain institute of academic research results on the block chain the forefront of scientific research. At the same time, it will deeply explore and invest in high-quality ecological partners, promote the transformation of technological achievements, and promote the application of blockchain technology in the real economy; Establish an application highland of blockchain technology, so that blockchain technology can reach the general public.



7.4 Arctyl Incubator

In perfect oneself of ecological construction at the same time, in the future, Arctyl will also conduct Arctyl incubators, support more potential projects, in order to realize the ecology of fast fission.

In our plan, Arctyl Incubator is an investment institution under Arctyl, which aims to incubate, invest in and empower entrepreneurs and communities in the blockchain/digital currency industry. By supporting projects in the industry, we will help the blockchain ecosystem grow and unlock the maximum potential and social impact of blockchain technology, and promote the global adoption of digital currency. Through the hatch and direct investment outstanding entrepreneurial teams as well as the high quality project, help can change human great ideas into reality.

For early-stage startup teams and entrepreneurs, these teams only have initial ideas, but have not yet presented mature products and services. Our goal is to provide the best entrepreneurs with start-up capital and the necessary support to help them polish products that meet the needs of the market, and help them bring their products and services to the market with the resources of Arctyl ecosystem.

In terms of project types, we will invest in multiple dimensions. , in other words, we won't be in the single track race, but a comprehensive choice that we think about the future of the industry more valuable investment projects, these projects have some belong to the class of infrastructure construction, and form their own ecological will be in the future, and some belong to the recent projects can be born, will inject confidence to the industry and so on.

Chapter 8 Global Team and Operational Planning





8.1 Global Teams

Arctyl exchange team members are from the early investors and researchers digital currency areas, members in the field of digital currency has rich experience in research and development and operation. Quantitative core team members from the industry trade organization, head of the Internet enterprise and traditional financial industry, etc., for quantitative trading system and tool design, architecture and implementation, and how to build and trading financial derivatives have the profound understanding.

August - the world's famous chain block application specialist, global block chain technology business leader. He is a former member of the Board of Directors of the Business Council of the United States, a PhD in Sociology from Columbia University, and a researcher at the Center for Financial Research. He is an authority on the application of intelligent retail technology in the world.

Jason - has 15 years experience in technology development, and in the chain of blocks in the underlying technology development authority influence, two covers career in academia and in business areas, is a research scholars, engineers and leaders. In Google and amazon any more project management positions.

Steve Wong is a capital markets specialist with extensive operational experience in banking, investment and public companies. Singapore block chain and leader in the field of digital currency. In-depth research and funding on the Internet and blockchain industries.

Edward Li, a former Singapore bank review the rulers for eight years, then work in finance company as a representative of the anti-money laundering organization for 5 years. Has rich legal consultation, contract review, anti-money laundering work experience, etc. He has been active in the financial market for many years, and has many years of practical experience in asset management, trading system operation and risk management. Also holds a certified public accountant and financial risk management division of professional qualifications in the United States.

Marks, a graduate of Yale university computer science department, and the doctor's degree in computer and big data, expert architects, database, exchange building, chief technical experts, engaged in the trading industry for a long time of database applications, data warehouse, large data and chain block development, has rich experience in project development block chain.



8.2 Technical Strength

Arctyl exchange contract currency index using multi-source integrated algorithm, can effectively in the face of the face may appear on the market of the extreme, reducing the loss of users because of the volatility and other risks. Arctyl exchanges at the same time all flows using multiple off-line signature technology, generated by a number of private key according to certain standard together a multiple signature address, all transfer payments must be in accordance with the rules to the signature prior to the generated transfer.

8.3 operation planning

Arctyl exchange with multiple quality head on market community formed the strategic coordination, and will work with the community will increase in the ecological construction, consensus promotion, users to cooperate in many aspects.

Arctyl exchanges at the same time with hundreds of global industry reached a strategic cooperation, high quality media through a variety of forms, a variety of languages, a variety of collaborative pipeline resources media dispersing pertains matrix, provide powerful promotion dispersing pertains to exchange and market brand construction support.

8.4 Foundation Construction

Arctyl Digital Asset Investment Foundation, as the advocacy entity of the Arctyl Project, is headquartered in Singapore. It will be committed to the development and construction of the Arctyl project and the advocacy and promotion of governance transparency, so as to promote the safe and harmonious development of the open source ecological community. Arctyl team with credibility entrusted by the third party, assist the team operations center set up entities, and to maintain daily operation and report entity framework of transaction. Through the foundation, to choose the appropriate members of community participation, to join the committee foundation function, in the actual management and decision-making.

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. Established its main objective is to discuss and solve in the process of community development faces important decision-making matters, including but not limited to:



- 1) modify foundation governance structure;
- 2) form of policymaking committee and rotation resolution;
- 3) the foundation secretary-general appointed and rotation resolution;
- 4) appointed executive director, head of the commission and the function
- 5) Review and revise the Articles of association of the Foundation;
- 6) Arctyl's development strategy decision-making;
- 7) Changes and upgrades of Arctyl's core technologies;
- 8) Emergency decision-making and crisis management agenda, etc.

The term of office of the members of the Strategic Decision-making Committee and the Chairman of the Foundation shall be two years, and the Chairman of the Foundation shall not serve more than two consecutive terms. After the expiration of the term of the decision-making committee, the community will vote to elect the community representative according to the consensus mechanism of Next Generation Arctyl, and then select the core personnel of the decision-making committee. The selected core personnel will make important and urgent decisions on behalf of Arctyl, and will be subject to the credit investigation during their term of office, and their salary will be disclosed.

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;



The 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.

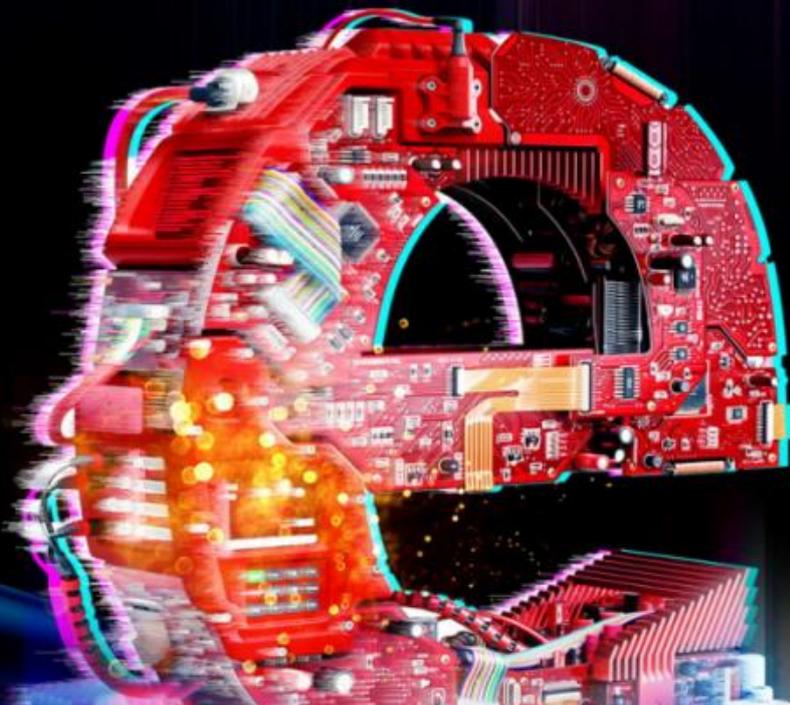
- Secretary General: elected by the Strategic Decision-making Committee, responsible for the general operation and management of the Foundation, coordination of the work of the sub-committees, presiding over the meetings of the decision-making Committee, etc. The Secretary General is the top person in charge of Arctyl's administrative affairs. He directs and coordinates the foundation's daily operation, technology development, community maintenance, public relations, etc., and connects each business unit with the functional committee at the governance structure level. The Secretary-General reports to the decision-making Committee on a regular basis.
- Technical Review Committee: composed of core developers from the Arctyl development team, responsible for making decisions on the direction of blockchain technology research and development, underlying technology development, open port development and review, technology patent development and review, etc. In addition, members of the technical Review Committee regularly learn about the developments and hot topics in the community and the industry, communicate with participants in the community, and hold technical exchange meetings from time to time. Such as enterprise customers, suppliers, regulatory agencies and third-party service agencies.
- Remuneration and Nomination Committee: responsible for determining the selection and appointment of key management personnel of the Foundation. The Committee establishes procedures, evaluates the competence of the officers, and authorizes appointments. At the same time, the committee sets a compensation system to motivate those who have made significant contributions to the Foundation. The Remuneration and Nominating Committee regularly evaluates the performance of all members of the Foundation. Recommend changes in the structure of human resources, provide different incentives, recruit and retain talented experts.
- Public Relations Committee: The objective is to serve the community,



responsible for Arctyl technology promotion, Arctyl and business alliance establishment and maintenance, Arctyl's participation in the cooperation and resource exchange of various alliance parties, Arctyl's business promotion and publicity, community crisis public relations and social responsibility, etc. The committee is responsible for regular press conferences, announcements of important issues and answers to inquiries, etc. In the event of an incident affecting the reputation of the Foundation, the Public Relations Committee will serve as a unified channel of communication and issue an authorized response.

- **Supervisory Committee:** As a highly independent form of autonomy, it is set up within the Foundation to provide independent oversight and risk control management for the overall operation of the Foundation. The Supervisory Committee provides day-to-day guidance to the legal and compliance departments of the Foundation. At the same time, the Foundation has set up a transparent and open reporting mechanism, in which the Supervisory and Management Committee directly accepts internal and external reports and takes corresponding investigations and improvements to ensure that the entire foundation's operation is in perfect compliance and legal, and continues to move forward within an acceptable risk level. The Supervisory and Management Committee reports directly to the Strategic Decision-making Committee and does not have any conflict or overlap with other functions of the Foundation.
- **Other functions:** The Foundation sets up daily operating departments, such as human resources, administration, finance, marketing, R&D (or laboratory) units, with reference to the company's institutional structure. Functional departments are set up to maintain the normal operation of Arctyl and to directly deal with relevant parties in the business community.

Chapter 9: Disclaimer





This article is for informational purposes only and is for informational purposes only. It does not constitute any recommendation, solicitation or offer to buy or sell investments on Arctyl Exchange. Nothing done in connection with this White Paper, including requesting a copy of the White Paper or sharing the White Paper with others, shall be deemed to be participation in a public offering. Participation in the public offering represents that the participant has reached the age standard, has full civil capacity and is fully aware of all risks.

The Arctyl Project team will continue to make reasonable attempts to ensure that the information in this white paper is true and accurate. During the development process, the platform may be updated, and parts of the document may be adjusted accordingly in the new white paper as the project progresses. The team will make the updated content public, such as by Posting an announcement on the website or the new white paper. Participants are requested to obtain the latest version of the white paper in a timely manner and adjust their decisions according to the updated content.

Arctyl project complies with any regulatory regulations that are conducive to the healthy development of the industry and the self-discipline declaration of the industry. By participating, participants will fully accept and comply with such inspections. At the same time, all information disclosed by the Participant to complete such inspection must be complete and accurate. The Platform clearly communicates to the Participant that the possible risks are carried out. By participating in the Project, the Participant confirms that he/she understands and agrees with the terms and conditions of the Project and accepts the potential risks of the Platform at his/her own risk.