

# PoW—Reduction Platform

The world's largest PoW reduction asset  
mining service ecosystem



Proof of Work Reduction

PoW Reduction Platform  
[www.powreduction.com](http://www.powreduction.com)

## Summary

At present, a new round of technological and industrial revolution is sweeping the globe. As a disruptive technology, blockchain is leading a new round of global technological revolution. It is expected to become a source of global technological innovation and model innovation, and promote the transformation of information interconnection to a value network. Blockchain trends are irreversible.

The decentralized trust feature of the blockchain is suitable for almost all application scenarios. Since the release of the Satoshi Bitcoin White Paper in 2008, Satoshi Nakamoto has defined Bitcoin as a peer-to-peer electronic cash system initiated by one party and received by the other, without relying on any financial institution in the middle. Boom. In 2013, Ethereum, founded by Vitalik Buterin, added Turing's complete contract to the Bitcoin peer-to-peer electronic cash system, making the peer-to-peer digital currency programmable and can define state processes, and proposed the DApp concept. From 2013 to 2014, digital currency exchanges and stable currencies anchored with fiat currencies began to appear, and the attributes of digital currency value storage and trading were recognized; from 2017 to the present, the third generation of global public chains have reached 3000 through improved consensus mechanism TPS Secondly, it also pioneered on-chain governance, making

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hard forks, hacker attacks, and node evils that plague the crypto world not only solved through technical methods but also relying on sociology and economics.

The current blockchain and encrypted digital currency industries are in a new and vibrant cycle. This cycle is caused by the core mainstream digital currency's production reduction and halving, and is driven by broader industry coverage and financial activity. Pushed. The global economic downturn and credit crunch have further aggravated the traditional financial environment. A large amount of circulating capital more urgently requires asset allocation with greater income elasticity. Encrypted digital currencies are globally active and high-quality assets.

When we talk about mining, we usually refer to PoW (Proof of Work) mining. Bitcoin (based on the POW consensus mechanism) has successfully operated the mining industry for ten years, and the market size has reached hundreds of billions. It is estimated that in 2020, the comprehensive scale of the bitcoin mining market will exceed 100 billion yuan, and the concurrent activation of reduced production currencies and related industries will give the market a strong impetus.

PoW-R Platform is a safe, stable and professional encrypted digital asset reduction reduction integrated mining service ecosystem. The POW-R platform business includes a pan-reduction digital currency currency mining pool, a PoW-R reduced production coin asset management fund, and a PoW-R Cloud computing mall, PoW-R mining machine mall, PoW-R mining pool construction and operation, PoW-R mining financial services. PoW-R Platform is committed to creating convenient

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one-stop asset mining, storage, value-added, trading and DeFi derivative financial services for users, so that ecological users can more fully enjoy the output reduction bonus of the encrypted digital industry and more fully obtain the overall growth of the digital currency market. Comprehensive income.

Digital asset mining is the mainstay and core industry of the digital currency industry, and the production reduction cycle is coming. The production reduction cycle is not a simple moment. From a financial perspective, this is the beginning of a new growth cycle. At present, the market is The understanding is limited to short-term hype and does not have a deep understanding of the significance of the dividend cycle in the next 2-3 years. The PoW-R Platform Foundation and the core community have rich experience in mining resources and asset management of reduced production, becoming the first to focus on mining The integrated service ecosystem has the most potential to become a leader in the new digital currency growth cycle.

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### 1.1 Digital asset and mining market is huge

When people discuss digital asset mining, it usually refers to PoW (Proof of Work) mining. This white paper classifies PoS, PoC, PoI and other innovative mining consensus mechanisms into the pan-PoW category, because it involves the cost of assets caused by reduced production. Promotion and supply and demand adjustment are conceived, and the value is obvious. Mining is an important part of maintaining the stability of the PoW cryptocurrency network and maintaining the basic value of the currency. As an upstream link of the blockchain and cryptocurrency industry chain, mining can create huge profits. According to professional institutions, the scale of the mining market in recent years has reached hundreds of billions.

Mining (English Mining) is a method to obtain Bitcoin (or other cryptocurrencies). Bitcoin uses a Proof of Work mechanism to encourage miners to participate in mining to maintain the stability of the entire network. PoW can prove that miners have done enough work. Bitcoin uses a special one-way function (SHA256). Cracking the secret key requires continuous random guessing until the unique key of the function is randomly collided—this process is called Bitcoin mining. Within 10 minutes, the first miner to solve the problem can get bitcoin's accounting right (packaged block) to get bitcoin reward, which is commonly known as mining a block.

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PoW mining has gone through five eras in total: CPU, GPU, FPGA, ASIC, and large-scale cluster mining. At the same time that the mining chip is updated, it brings a change in mining speed, that is, a change in computing power. The higher the hashrate, the more cryptocurrency mined and the higher the return.

### 1.2 Early opportunities for a new round of digital asset growth cycle

The past 2019 has been a very special year for blockchain. This year, Bitcoin ended a year-long downward adjustment in 2018, starting from the closing price of \$ 3,796 on January 1, starting the Mavericks cycle before halving, and rising to a maximum of \$ 13,968.82 on June 26.

This year has allowed many people to regain their confidence in Bitcoin and digital currencies. This year, JPMorgan Chase launched JPMCoin in February; Facebook released Libra's white paper in June, opening up Libra's global layout; our central bank's legal digital currency, DCEP, will be released soon; Tencent began to use it in tax. With regard to blockchain technology, 10 million blockchain invoices have been issued so far; Ali has begun to consider blockchain as an important technical reserve and launched the underlying strategy known as ABC. ABC is AI, Blockchain, Cloud Computing. This year, Chinese senior executives conducted the eighteenth collective study on the current status and trends of blockchain technology development on the afternoon of October 24. Collective learning emphasizes the need to regard blockchain as an important breakthrough in independent innovation of core technologies.

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This year, the mining circle was up and down. In April, Bitcoin mining was included in the phase-out industry in the Guidance Catalog for Industrial Structure Adjustment (2019 edition, consultation draft), making it difficult for practitioners to sleep all night. In November, in the official version, Bitcoin mining was deleted from the eliminated category, which surprised the practitioners.

In the digital currency mining industry, the current GPU and ASIC-led PoW mining industry has entered an unprecedented stage of rapid development. The market dividend is obvious, but the trend of centralization of the mining circle has continued to increase. The first-mover advantage in the ecology is not obvious. Because of this, it is difficult for ordinary individuals to participate in this bonus industry. The PoW-R production reduction mining ecological platform is an important opportunity to help the community successfully grasp the cognitive advantage and improve comprehensive income through the production reduction cycle.

At this prosperous time, PoW Ecology ushered in a new round of production reduction cycles. The industry has already experienced two production reduction cycles before. Production reduction refers to the decrease in the amount of coins produced by miners in each block production cycle. Under the condition of constant market demand, it means that the average supply to the market is reduced, and due to long-term market consensus, each round of production reduction will bring a lot of market attention and funds. The inflow caused the market to be in an active growth zone.



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Since the birth of digital currency, it has been over 10 years. Starting from Satoshi Nakamoto's design of Bitcoin, digital currency has a halving cycle, and the new virtual currency that followed has also inherited this tradition. Bitcoin's mechanism design has a gold-like attribute. Like gold, it is increasingly difficult to dig, the total amount is limited, and the output is halved every four years.

2020 is a year of concentrated outbreaks of "reduction in production" of the native network of crypto assets. In March and April, ETC, BCH and BSV will enter a halving cycle; in May, the highly anticipated coin king BTC cuts production, and DASH also cuts production this month; in October, the production reduction will continue to ZEC. Except for Bitcoin, several other mainstream crypto networks have halved their mining rewards for the first time. From the past price trend of BTC, after each halving, its price will rise.

Which digital currencies are halved in 2020:

1. ETC production reduction time in March 2020, block reward after production reduction: 3.2 ETC.
2. BCH is halved in April 2020, the block reward after halving: 6.25BCH.
3. The BSV is halved in April 2020, and the block reward after halving: 6.26BSV.
4. BTC is halved in May 2020, and the block reward after halving: 6.25 BTC.
5. DASH production reduction time May 2020, block reward after halving: 3.34DASH.
6. ZEC halved in October 2020, block reward after halved: 6.25ZEC

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So will halving lead to price increases? Let's take a look at the halving of bitcoin history:

First look at the lowest point:

2011.11.16, the first round of halving the market, the lowest point is 2 US dollars, the distance is halved for 378 days;

2015.01.14, the second round of halving prices, the lowest point is 152 US dollars, the distance is halved for 543 days;

2018.12.15, the third round of halving prices, the lowest point is 3,122 US dollars, halving the distance by 517 days;

Look at the highest point again:

The first round was halved, 2013.11.30, the highest point was 1163 US dollars, 367 days after halving, the high and low points increased by 582 times;

The second round halved, 2017.12.17, the highest point was 19666 dollars, 525 days after halving, the high and low points increased by 129 times;

From a global perspective, look at the positive ecological background of this production reduction cycle:

### I. Institutional investors

#### 1. Global macro investors join

Global financial investment expert Ray Dalio elaborates on the global macro proposition of crypto technology: "One of the most worth thinking about today is the situation of deflation, coupled with the huge debt maturity, the huge internal and

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external conflict between capitalists and socialists, Which investments have a good return on investment. When most reserve currency central bankers want  
When the national currency depreciates, we can ask ourselves what the second best currency or wealth reserve will be. "

2. Traditional asset management companies will continue to pour in

State Street's survey report shows that 94% of customers have digital assets or related products, and a donation fund survey shows that 94% of customers have invested in digital assets in the past year. At present, digital assets are still a non-consensual investment. If portfolio managers recognize crypto investments and the return on investment is satisfactory, they may receive a decent bonus. Portfolio managers stand firm and unified, meaning that no meaningful bets are placed on digital assets. Since then, their work has been much easier. Eventually, consensus will shift to digital assets to play a role in diversifying investment portfolios.

Retail investment

3. Derivatives trading volume of mainstream currencies such as BTC decreased, altcoin transaction volume decreased

For retail investors who want to make a quick profit, trading altcoins was a place where they looked for volatility and potential. Today, as altcoins fall more than 90% from their highs, active traders are increasingly turning to leveraged BTC derivatives trading. This transaction provided them with the desired volatility and the derivatives did not return to zero. The trading volume of crypto derivatives exchanges regulated by the United States (such as CME, Bakkt, etc.) will increase significantly, but the

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center of activity in this field will continue to come from exchanges outside the United States (such as BitMEX, etc.).

### Market structure

#### 4. Fewer exchanges and more brokers

The number of crypto exchanges has surged in the past few years. Exchanges are essentially companies with network effects (liquidity is used to trigger liquidity), and smaller participants will be eliminated, either acquired, closed down, or changed their business models. Companies that excel at acquiring and serving customers will become brokers and get liquidity from other exchanges or large liquidity providers.

#### 5. Increasing use of third-party hosting agencies

As exchanges and brokers focus on their core competitiveness, they will increasingly use third-party custodians. This will make the market safer (because assets are hosted by first-rate custodians) and ultimately increase capital efficiency. Because the assets held by mainstream custodians will provide purchasing power across multiple exchanges. The emergence of the large-scale crypto custodian's instant crypto settlement solution (Silvergate Exchange Network) will also be a major development in 2020, and will further increase the effectiveness of market participants and custodians in jointly holding assets.

#### 6. Crypto helps expand bank size

Access to legal bank accounts and payment services has been, and will continue to be, one of the biggest issues facing crypto companies. Globally, large banks that have a

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negative attitude to risk will continue to avoid the crypto industry, providing new entrants and smaller participants an opportunity to fill the gap in technology-driven intermediaries or full-stack new banks. By 2020, some new entrants will face major challenges from regulators, and those new entrants who can cope with regulatory pressure will expand rapidly.

### 7. Lending market growth

The crypto lending market is booming in 2019, with companies like Genesis, BlockFi and Celsius all participating. The trading volume of the crypto lending market in 2020 will continue to expand significantly in the following dimensions:

- 1) Traders borrow shorts in digital currencies to overcome the problem of low capital efficiency;
- 2) Investors use digital currency as collateral to borrow USD;
- 3) The crypto company becomes a substantial bank by depositing stablecoins and providing stablecoin loans.

### 8. USD stablecoin market value and trading volume will increase

Tether's extraordinary anti-risk ability shows that the market participants not directly served by Bank of America have an endless need to have USD denominated accounts to settle transactions and store value. Despite significant regulatory uncertainty, I expect Tether's market value to continue to grow in 2020. The regulated U.S. dollar stablecoin market (such as USDC, TUSD, PAX, etc.) will grow rapidly (the economic base is relatively small). Because they have become a fund transfer track, a solution

that can both monitor and run on the open network (any crypto wallet can send / receive). This will be a high-profile spot between the Silvergate Exchange Network (regulated + closed network) and Tether (unregulated + open network).

9. Central Bank Digital Currency (CBDC) will be in the transitional stage of concept and implementation

Most expected central bank digital currencies differ significantly from stablecoins like USDC. In the central bank digital currency, the value records owned by individuals and businesses are centrally kept by the central bank. Only in rare cases will it be possible for the central bank / government to take over this bookkeeping function. It is expected that the central bank's digital currency will make significant progress in 2021 and beyond. In hyper-inflationary markets, the use of digital assets has grown significantly and will continue to remain.

## 2.POW-R Platform Mining Integrated Services Ecology

### 2.1 POW-R platform introduction

POW-R Platform is a secure, stable and professional encrypted digital asset Reduction production reduction mining comprehensive service ecosystem. The POW-R platform business includes pan-production-reduction digital currency currency mining pools, PoW-R production-reduction mining coin asset management funds, PoW-R Cloud computing mall, PoW-R mining machine mall, PoW-R mining machine hosting, PoW-R mining machine pool construction and operation, PoW-R

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mining financial services. PoW-RPlatform is committed to creating convenient one-stop asset mining, storage, value-added, trading and DeFi derivative financial services for users, so that ecological users can more fully enjoy the output reduction bonus of the encrypted digital industry and more fully obtain the overall growth of the digital currency market Comprehensive income.

Digital asset mining is the mainstay and core industry of the digital currency industry, and the production reduction cycle is coming. The production reduction cycle is not a simple cryptographic process. From a financial perspective, this is the beginning of a new growth cycle. The understanding of production reduction is limited to short-term hype and does not have a deep understanding of the long-term significance of the rising cycle in the next 2-3 years. The PoW-R Platform Foundation and the core community have rich experience in production-mining mining resources and asset management as the first This integrated mining service ecosystem with reduced production has the greatest potential to become a leader in the new digital currency growth cycle.

The PoW-R Platform mining asset ecology has many advantages:

-The mining pool product line and business line are complete and penetrate the pan-PoW production reduction mining industry chain. Users have rich choices and knowledge learning channels. The mining pool mining machine and the production ecology and investment layout of the reduced assets will form a unified body to help the community better Market profit.

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-FPPS settlement mode is adopted for asset reduction mining pools, with low mining fees and more than 10% higher revenue than other similar mining pools; and cloud computing power helps users to more easily participate in currency reductions, which is different from other mining. Yes, the platform will subjectively recommend users to choose a more cost-effective mined coin mining instead of passing the risk to the investment users.

-Integration of mining and finance, ordinary users can participate in reduced production and mining and financial services; mining is partial to the physical business, financial services create high-yield returns, and in terms of financial services, multi-single computing power based on reduced production, hedging, and Derivative hedging can increase user revenue.

-Digital asset production reduction fund management helps users passively hold and manage long-term production reduction assets. Real high-yield investments are obtained regardless of short-term fluctuations and long-term holdings. Users who bought and held Bitcoin 5-10 years ago were This type of case, but the fact that the secondary market is in violation of investor psychology, many investors can't hold it, chase it up and sell it down. This is exactly what this platform can help solve and share dividends, and help investors "hold and hold "Yes" and "Proactive allocation of high-quality growth assets" are the core.

-Through the PoW-R platform eco-token, share the revenue with all users of the



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platform, and the ecological profit will be returned to the community in the form of market liquidity repurchase, dividends, and destruction.

### 2.2 Coupling bottom technology based on BTC and ETH + ETC

The Bitcoin blockchain is composed of multiple blocks. Each block is composed of a block header and a block body. Each block header contains the meta information of the block, and it also contains a pointer to the previous block header. Greek pointer, this pointer is the key information to prevent the blockchain from being tampered with. The block contains bitcoin transaction information. The first transaction is a special transaction that rewards the mining node. This is also the only way to generate bitcoin, that is, to issue bitcoin. The rest All transactions are transfer transactions. Bitcoin is paid from one address to another. This is also the only way to realize the transfer of Bitcoin value.

In addition to storing the complete blockchain, full nodes in Bitcoin also have the role of miners, wallets, routing nodes, etc., their responsibilities are as follows:

**Miners:** Just like mining workers, they do manual labor, and constantly try to fill numbers in the random field of the constructed block header to find a hash value that meets certain criteria. If found, the block is found. Connect to the top end of the blockchain and send the legal blockchain to neighboring nodes.

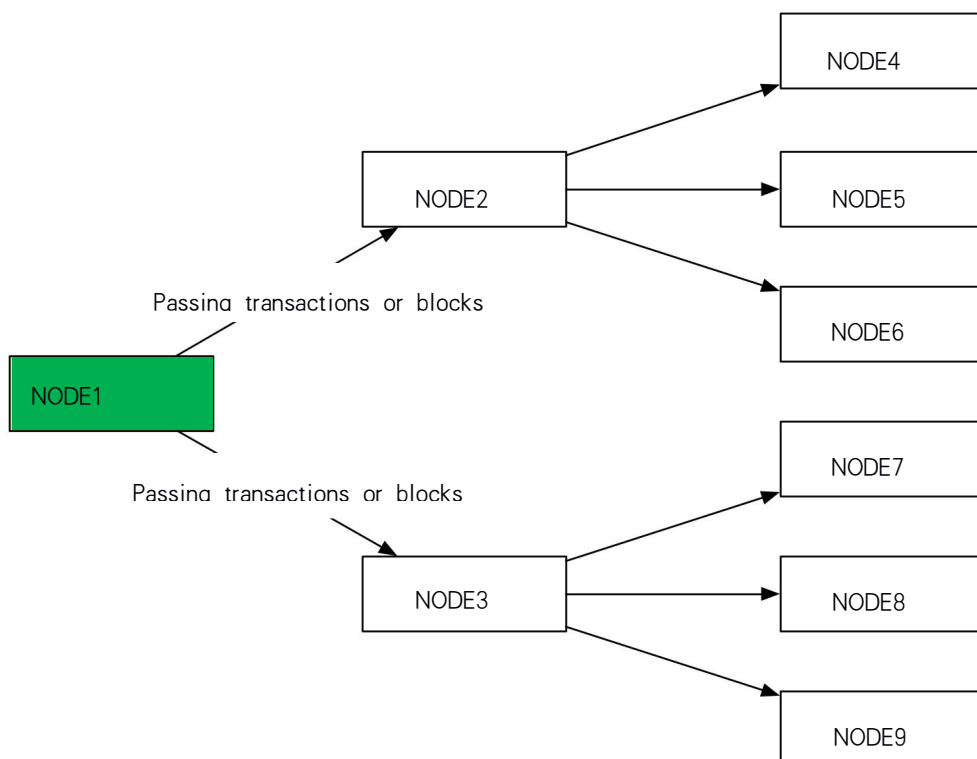
**Wallet:** The blockchain records coin creation transactions and transfer transactions,

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which is different from the account system in the usual sense. The account system in the usual sense records account balances, while the blockchain only records transactions without balances. The wallet is used to Calculate the balance of the block owned by an address from the blockchain. If you have learned relational databases, you can understand the blockchain as an index to the database or a directory of a book.

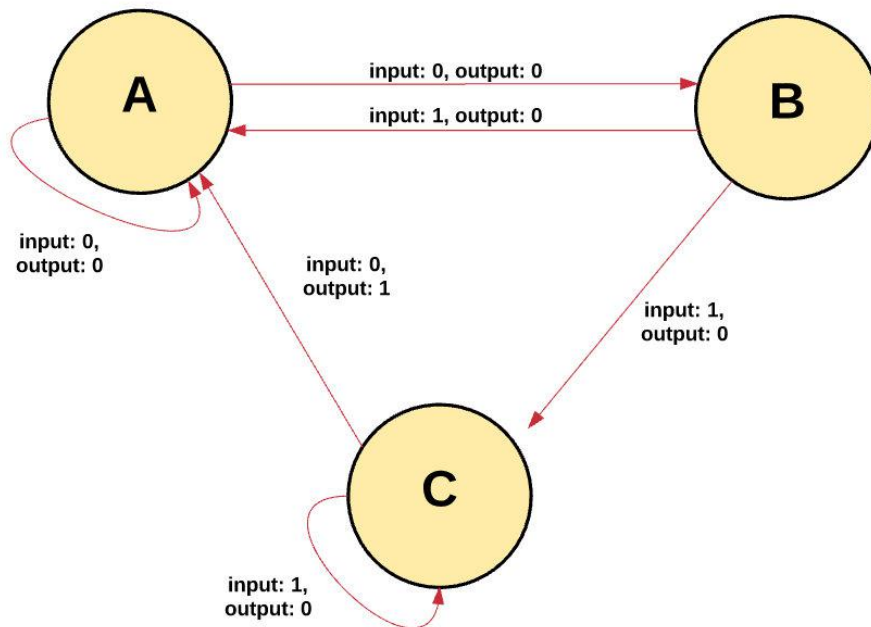
Routing node: responsible for transferring transactions and blocks in a decentralized network environment. A node creates a transaction and sends it to neighboring nodes. After the neighboring node verifies, it sends it to the neighboring node. Very soon Will spread throughout the network. If a node finds a block that meets the standards through mining, this node will also pass it to neighboring nodes in the same way, and then the neighboring nodes continue to propagate, so that all nodes in the network reach agreement.

Bitcoin peer-to-peer delivery method:



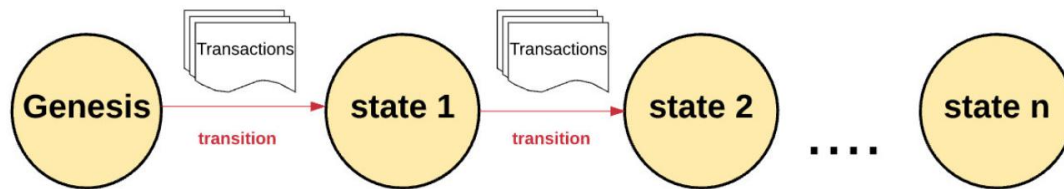
Ethereum Classic is the longest-running smart contract in the world, and its focus, principle, and technology orientation are its greatest charm.

The essence of Ethereum is a Transaction-Based State Machine. In computer science, a state machine refers to something that can read a series of inputs and then transform them into a new state based on these inputs.



According to the state machine of Ethereum, we start with the Genesis State. This is almost similar to a blank slate, there is no transaction status in the network. When the transaction is executed, this genesis state will change to the final state. At any moment, this final state represents the current state of Ethereum.

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The Ethereum architecture is divided into 7 layers, which are storage layer, data layer, network layer, protocol layer, consensus layer, contract layer, and application layer in order from bottom to top.

The storage layer is mainly used to store the log data and blockchain metadata during the operation of the Ethereum system. The storage technology mainly uses the file system and LevelDB.

The data layer is mainly used to process various types of data in Ethereum transactions, such as packaging data into blocks, maintaining blocks into a chain structure, encrypting and hashing content in blocks, digital signatures of block content, Add a timestamp mark, construct the transaction data into a Merkle tree, and calculate the hash value of the root node of the Merkle tree.

The difference from Bitcoin is that Ethereum introduced the concept of transactions and transaction pools. Transaction refers to the process by which an account sends a signed data packet to another account. The transaction pool stores transactions verified by nodes, and these transactions will be placed in new blocks mined by

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miners. Ethereum's Event refers to the log interface provided by the Ethereum virtual machine. When the event is called, the corresponding log information is saved in the log file. Like Bitcoin, Ethereum's system is based on a peer-to-peer network, and each node in the network has a client role.

Bitcoin's value attributes and point-to-point transmission attributes are strong, and Ethereum and Ethereum Classic are the same. The smart contract technology network architecture can be combined with Bitcoin's underlying network technology to provide a more stable and sustainable network for the PoW-R production-reducing asset mining ecosystem. The underlying technology supports, and most of the underlying technologies that reduce the production of asset coins are connected to BTC and ETC + ETH, which can also improve performance in terms of asset management and security.

### 2.3 PoW-R platform ecology

PoW-R Ecology is the world's first platform ecology based on cryptographic digital assets to reduce production assets and production mining, which includes mining pools, miners, investors, digital asset fund managers, and financial service providers. In addition to reducing production of digital asset funds, reducing mining pools, cloud computing power and many other businesses, the PoW-R platform has also established a community alliance of production reduction assets, alliances and community member resources and information sharing, and enjoys market and industry dividends in a timely manner to ensure that they can Opportunities for the

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development of the times in the next 2-3 years, without being influenced by short-term market conditions and unstable factors, long-term trend judgment and degree of participation.

The platform's production-reducing digital asset fund management helps users passively hold and manage long-term production-reducing assets. Real high-yield investments are obtained regardless of short-term fluctuations and long-term holdings. Those who bought and held Bitcoin 5-10 years ago Users are such cases, but the fact that the secondary market is in violation of investor psychology and many investors can't hold it, chase it up and sell it down. This is exactly what this platform can help to solve and share dividends and help investors "hold "Holding" and "proactively allocate high-quality growth assets" in order to obtain excess returns are the core.

PoW-R is committed to building the world's first, largest, most active, and strong community of mined assets and miners. It is for mined assets enthusiasts and mined miners and digital asset investors in the global crypto digital asset industry. Provide a large selection of information and resources, including mines, power, underlying public chain cross-chain technology, fund investment, potential mining currencies, etc., regularly organize training, salons and other activities to promote efficient communication and investment profits in the community. The comprehensive improvement of financial income ability, information acquisition ability and cognitive ability is an important goal of community development. "Everything is for the community users, community-oriented" is the important purpose of PoW-R.

### 3. POW-R Platform ecological business

#### 3.1 POW-R Mining Production

The mining pool is a gathering place for miners' computing power and one of the most important infrastructures for the entire cryptocurrency. POW-R's integrated mining service platform takes the mining pool business as its core. PoW-R has all-currency mining pools with reduced assets, including BTC, BCH, BSV, ETC, DASH, ZEC, and so on.

With the increase of computing power, the probability of mining Bitcoin is getting smaller and smaller. At present, the computing power of the entire network has reached 47Eh / s. In order to pursue sustainable and stable returns, mining pools have become the mainstream mining method. In simple terms, a mining pool is a collection of computing power. If you concentrate computing power on a mining pool, the probability of mining a block will greatly increase, and then the income will be distributed according to the proportion of each person's computing power. The core work of a mining pool is to assign tasks to miners, to count workloads and to distribute benefits. Compared with the Solo model, the expected value of the miner's income has not changed, but the income is more stable.

Introduce how the mining pool works through some basic concepts:

#### (1) Mining pool agreement:

The "mine pool" coordinates hundreds or thousands of miners through a proprietary

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protocol. After setting up a mining pool account, miners set their mining machines to connect to the mining server. When the mining machine runs mining online, it needs to maintain a connection with the mining pool server and work synchronously with other miners. Common protocols include: Stratum (STM protocol) & GetBlockTemplate (GBT protocol) and the outdated GetWork (GWK protocol).

(2) Miners in the mining pool:

Earn relatively stable rewards based on the contribution of computing power.

(3) Mining pool administrator:

A certain percentage of the fee is charged, and the pool manager can also participate as a Solo miner to contribute computing power.

(4) Entry conditions for the mining pool:

The mining pool is open to all miners. After a certain miner in the mining pool successfully mines, the block reward is paid to the fixed Bitcoin wallet address of the mining pool. The reward does not belong to the miner who mines, but belongs to the entire mining pool.

(5) Reward distribution mechanism:

The mining pool will set a "threshold" for reward distribution. This threshold is a difficulty target for each calculated TargetHash value, usually less than 1/1000 of the Bitcoin network difficulty. For example, the mining difficulty of the entire network is the hash value of the first 10 consecutive zeros, and the difficulty threshold set by the



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mining pool is the hash difficulty of the first 7 consecutive 0s. After a certain miner in the mining pool successfully mines, those successfully Miners calculated by Hash and meeting the difficulty threshold of the mining pool can share the reward. The distribution of rewards is not immediately after mining a mine, but after the mining rewards have accumulated to a certain amount set by the mining pool, the rewards are allocated once, or settled at a fixed time (such as daily).

(6) Lucky value of the mining pool:

Bitcoin mining is probabilistic in nature. The block production speed is fast and slow. The lucky value has a certain probability factor when the mining pool bursts. The burst speed is fast and slow. The lucky value fluctuates around 100% of the theoretical value. When the lucky value is high, the revenue of the mining pool will increase, and vice versa, but this will only affect users who choose the PPLNS revenue model.

The full name of PPLNS is PayPerLastNShares. I chose the first one because he best fits our imagination of income distribution. The specific distribution plan is that when a new block is mined, the mining pool first deducts the processing fee, and then allocates the entire remaining income (including blockchain rewards and miner fees) to each miner according to the computing power ratio.

The full name of PPS is PayPerShare. In order to solve the unstable income caused by lucky value, PPS uses a new allocation method. According to the proportion of miners' computing power in the mining pool, the daily output that can be obtained in

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the mining pool is estimated, that is, assuming that the lucky value is 100% of the theoretical return. After deducting the mining pool fees, the miners are given a basically fixed income every day.

The full name of PPSP is PayPerSharesPlus. It can be seen as a combination of two modes, PPS and PPLNS. Both block rewards are settled in accordance with the theoretical number of blocks produced by the mining pool, and miner fees are calculated based on the actual mining power of the miner fees obtained by the actual burst of the mining pool. Proportion allocation.

The full name of FPPS is FullPayPerShares. It can be regarded as a complete PPS, and both the block reward and the miner fee are settled according to the theoretical income. Since we want to pursue stability, we will follow through.

Compared with the traditional PPS settlement mode (without miner fees allocated), the FPPS settlement mode can increase the income by about 10%, and the comprehensive reduction of PoW-R's mining pool revenue can exceed 15% of the revenue of similar mining pools. The increase in production has increased the output. On the other hand, the active asset allocation strategy, especially the strategy for reducing the production currency, is embracing a new round of growth cycle in the next 2-3 years, which will bring "production" + " The double growth of "coin price" can enable community users of the PoW-R platform to obtain huge benefits.

### 3.2 POW-R reduces cloud computing power

Cloud computing power is a remote mining model. Users purchase cloud computing power contracts through the platform, lease computing power to mine, and regularly obtain revenue. The advantage of cloud mining is that users do not need to have an in-depth understanding of the mining principle and various software and hardware, or purchase expensive mining machines, and do not need to maintain themselves for 24 hours. They can participate in mining as long as they place an order, similar to the purchase of income rights products.

The rise of cloud computing power platforms has gradually transformed the mining pattern from a monopoly in large mines to mining by the people. For ordinary investors, purchasing cloud computing power contract products (leasing computing power) is a low-cost and low-threshold mining method. Investors can receive mined Bitcoins on a regular basis, which lacks professional secondary investment compared to ordinary ones. Second-tier investments by experienced users are more robust.

The cloud computing power platform connects the mining machine's income rights (assets) and individual investors (funds). For investors, cloud computing contracts have the following advantages:

- No need to purchase a mining machine, the initial investment is small, and the threshold is low.

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-There is no need to bear additional risks such as mining machine failure, performance loss, or subsequent maintenance costs, and high investment stability.

-After the contract is ended, there is no need to deal with machines, venues, etc., and exit is more flexible.

The market opportunity for cloud computing power is to provide individuals with a more "neutral" investment method. The threshold is lower than the self-built mine, the risk is lower than the short-term operation, and the cost is lower than the market price. It also allows the mine to share the cost and risk. Get more ample cash flow.

### 3.3 Asset management for reduced assets

Bitcoin's mechanism design has a gold-like attribute. Like gold, it is increasingly difficult to dig, the total amount is limited, and the output is halved every four years.

Bitcoin's first two halvings have brought a hundred times the market, and the third halving is about to be carried out in May this year, which makes most people full of expectations. In 2012, the mining reward changed from 50 Bitcoins to 25 Bitcoins, and the price increased by nearly 8200% in one year. In the 18 months after the second halving in 2016, the price of Bitcoin rose by more than 2200%.

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The response to halving the market is the price of the secondary market. The price fluctuates around the value. If the long-term value increases, the price will naturally go up.

The core of the secondary market is how to acquire and hold low-priced chips.

The challenge of a bear market: The market at the bottom is often full of panic and full of rumors, which affects personal judgment. No one can accurately determine the bottom, and few people can get the bottom chips.

The challenge of the bull market: The ending of each big market is wonderful, and the process is difficult. If you look closely at the K-line chart for the second halving market, you will find that there are more than 10 huge declines in the middle, and

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each decline is a challenge. Most people will give up their chips in the middle, and the few who can get the last one.

Therefore, the secondary market is a market that looks simple and difficult to do. Why do most people not make money. The core lies in not daring to buy at low points and not daring to buy more. Most people buy 10% for 3,000, 20% for 5000, 30% for 7000, and 10,000 full positions. I will never get a lot of low-priced chips. This is because most of the spot market is a loss. It is even suggested that the spot market should be operated less, and less is more.

There are two ways to solve this problem from a professional perspective. The first is passive mining-type holding. The second is the rational and active allocation and holding of assets by professional institutional managers. The core two functions provided by the mining ecology of reduced assets.

First, reduce production:

Mining is discounted for Bitcoin. The advantage is that it allows you to get cheap chips. The entry time is good, and there are more low-cost chips; the entry time is not good, and the low-cost chips are less, that's all. In this new cycle, mined coins have the same energy as Bitcoin as mainstream coins.

Another advantage of mining is that mining is a continuous output type, which allows you to have chips in your hands for a long time. When you sell most of the chips at

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the psychological price, you will not worry about losing the opportunity completely, because the miner will continue to produce every day after the sale.

Second, the production reduction mining fund:

The platform's production-reducing digital asset fund management helps users passively hold and manage long-term production-reducing assets. Real high-yield investments are obtained regardless of short-term fluctuations and long-term holdings. Those who bought and held Bitcoin 5-10 years ago Users are such cases, but the fact that the secondary market is in violation of investor psychology and many investors can't hold it, chase it up and sell it down. This is exactly what this platform can help to solve and share dividends and help investors "hold "Holding" and "proactively allocate high-quality growth assets" in order to obtain excess returns are the core.

Reduced mining funds-β "holding funds":

The fluctuation of the secondary market usually does not allow ordinary retail investors and traders to hold growth assets for a long period of time. The digital currency industry is typical of long-term long and growth assets. Let us review the development history of the digital currency industry. Real wealth accumulation is not It comes from several times of riches, because such riches are often not sustainable, but the high volatility of the digital currency market will cause such wealth to be lost.

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The real accumulation of wealth lies in the long-term holding of high-quality assets, and the beta "holding fund" is to help community users overcome humanity and return to the true source of wealth, ignore short-term price fluctuations, and allocate high-quality production reduction assets from a long-term perspective to enjoy industry dividends. .  $\beta$  "Holding Fund" established a digital asset fund by non-publicly raising community users' reduced assets and mainstream assets to hold long-term assets that are reduced in production and combined with mined production to achieve long-term asset growth, and charge no more than 5% of capital management fees.

Reduced mining funds- $\alpha$  "active funds":

Community users who have deployed  $\beta$  "holding funds" will be eligible to participate in the investment of  $\alpha$  "active funds". In the professional investment field,  $\beta$  represents industry growth and  $\alpha$  represents individual growth, but basically most of the digital currency industry The personal income of investors is much smaller than the growth of the industry. This is due to their own unprofessionalism, the information of the industry institutions and the advantages of capital position. Therefore, the PoW-R production reduction mining ecology will give its community users its large ecological advantages. The community that participated in the  $\beta$  "holding fund" means that users themselves acknowledge the advantages of the market counterparty and improve their self-awareness. At this time, the  $\alpha$  "active fund" is configured to allow professional institutions to choose an active strategy configuration Different assets that reduce production can achieve substantial



appreciation of assets.

### 3.4 Reduced Asset Financial Services

From the beginning of 2019, DeFi has become a long-term hot topic in the blockchain field. Platforms and products that provide DeFi services have also sprung up.

The PoW-R asset reduction mining ecological platform will provide core financial derivative services based on mainstream currency reductions, including mortgage lending. The platform will assume the functions of credit guarantee and information asset matching, and charge management fees. Because the production-reducing assets have a long-term growth nature from a long-term perspective, when users encounter cash flow problems in the short term and need cash, blockchain-based lending is a good solution that can obtain funds without giving up the future growth of production-reducing assets. income.

DeFi is the abbreviation of Decentralized Finance (Decentralized Finance), also known as Open Finance. It actually refers to a decentralized protocol used to build an open financial system, designed to allow anyone in the world to carry out financial activities anytime, anywhere.

In the existing financial system, financial services are mainly controlled and regulated by the central system, whether it is the most basic access to transfers, or loans or derivatives transactions. DeFi hopes to establish a transparent, accessible, and

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inclusive peer-to-peer financial system through a distributed open source protocol, which will minimize the risk of trust and allow participants to obtain financing more easily and conveniently.

Compared to traditional centralized financial systems, these DeFi platforms have three major advantages:

- a. Individuals with asset management needs do not need to trust any intermediary. The new trust is rebuilt on the machine and code;
- b. Everyone has access, and no one has central control;
- c. All protocols are open source, so anyone can cooperate on the agreement to build new financial products and accelerate financial innovation under the network effect.

### 3.5 Asset Flow Reduction Services

The currency market has rise and fall, technology is innovating, and money never sleeps.

In 2017, with the help of token crowdfunding and bitcoin forking coins, the digital currency industry was heated. It also spawned many front-line large-scale trading platforms such as Binance, Huobi, and OK, and became a high-traffic platform in the currency industry. Still creating a lot of profit every day.

At the beginning of the new year in 2019, IEO (Initial Exchange Offerings) slammed the red currency circle without warning. As the founder of the IEO model, Binance has

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inadvertently led this trend. After the three major exchanges entered the market, they pushed IEO to a climax. "FOMO (Fear of Missing)" sentiment spread: Investors rushed to set off a "crack of quota" boom; exchanges competed to imitate, trying to get a share of the money; the project party was afraid of being dropped, and participated in one after another; to become a new highland of currency circles.

Starting in 2020, the halving of mainstream currencies will start to lead the market to rebound from the bottom. It proves that the halving cycle is coming. The halving is not just a momentary act. From a historical perspective, the halving is the digital currency industry. The beginning of a new cycle often lasts for at least 2-3 years. We predict that firmly grasping the state of reduction will become a new high ground for the currency circle.

And the high traffic in the currency circle means huge user traffic, activity, and huge commercial profitability. PoW-R's asset reduction mining mining ecology has become a new traffic high by seizing the theme of market reduction in the next few years. And create a comprehensive ecological profit and return profits to community users. The reduction of production is not a matter of overnight, not short-term, but to identify long-term growth trends and opportunities for comprehensive income.

### 4. POW-R Platform Business Economic Model

#### 4.1 POW-R: Ecological Token

In order to share the benefits with users of the platform ecosystem, POW-R Platform

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will tokenize the value of the platform. POW-R Platform will serve as the platform's encrypted digital equity certificate, and holders can deeply participate in the future development and development of the POW-R Platform platform. Platform revenue.

The POW-R Platform will become a general certificate of equity in production reduction mining and asset reduction ecology. The value of POW-R will continue to increase with the development of the production-reducing encrypted digital industry, and it will be in the forefront of the new digital asset cycle.

### 4.2 POW-R: Economic Model

In the early days of POW-R, there was no circulation. 10% of the tokens owned by the core community and early users were locked. The production reduction mining used for the core community organization and management, and the professional agency team managed by the production reduction asset custody fund, 90% will all be managed by Ecological users share, and receive ecological token rewards based on the ecological contributions of ecological users.

In order to improve the deflation of POW-R and the steady rise of prices, the economic model has added mechanisms such as mortgage pledge and repo destruction.

#### DeFi Mortgage

When community users use the assets of reduced production assets to obtain

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liquidity funds, they need to pledge the assets of reduced production and provide PoW-R tokens to lock up their mortgages to obtain higher cost-effective loan interest rates. Users who use PoW-R tokens have higher priority. .

### Repurchase destruction

POW-R Platform is a secure, stable and professional encrypted digital asset Reduction production reduction mining comprehensive service ecosystem. The POW-R platform business includes pan-production-reduction digital currency currency mining pools, PoW-R production-reduction mining coin asset management funds, PoW-R Cloud computing mall, PoW-R mining machine mall, PoW-R mining machine hosting, PoW-R mining machine pool construction and operation, PoW-R mining financial services. PoW-RPlatform is committed to creating convenient one-stop asset mining, storage, value-added, trading and DeFi derivative financial services for users, so that ecological users can more fully enjoy the output reduction bonus of the encrypted digital industry and more fully obtain the overall growth of the digital currency market Comprehensive income.

PoW-R platform provides users with one-stop services for mining and commercial finance of reduced assets. From the start of the platform, there are a variety of benefits such as mature mining machine business income, financial capital management fee income, investment income, and other business ecology. With profitability and with the continuous expansion of the business ecosystem, the expectation of comprehensive profitability can be achieved quickly. The PoW-R Foundation and the core community will regularly issue dividend airdrops to community users from the profit of the platform's various businesses, and take out a

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portion of the repurchase and destroy the PoW-R tokens circulating in the market to ensure the secondary market PoW-R. The long-term growth of tokens and the value of investors.

### 4.3 POW-R: Business Scenario

-Peer-to-peer cash payment app

In the application and development of the point-to-point electronic cash system, PoW-R will be the first to make efforts in the point-to-point retail payment field where BTC actually landed, and make digital currency point-to-point payment a reality. The PoW-R Pay payment tool has already begun financial payment in Southeast Asia, followed by nearly 10,000 merchants in Europe, South Korea, Japan, the Middle East and other regions, and is the first to conduct PoW-R with 1,000 physical merchants in Southeast Asia. Scenario payment access and asset circulation, through the global currency spirit of PoW-R, can open access to all digital currencies in the entire cryptocurrency world, and achieve second-level payment confirmation. This is the global currency attribute of PoW-R. There are positive applications.

-DEX decentralized exchange application

Exchanges are one of the largest application types in the digital currency industry. However, there are some problems with centralized transaction technology, such as asset security and opaque transaction processes. In addition, bitcoin, Ethereum,

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Litecoin and other established digital currencies account for the vast majority of the transaction volume of the exchange market. However, the use of point-to-point transactions will result in the inability to implement pending order transactions, contract transactions, or the existence of low TPS to meet actual transaction requirements. In many cases, the two problems will exist at the same time.

Decentralized exchanges are the trend of future exchanges. Both Binance and Huobi have been deployed in this field. Binance decentralized exchange DEX uses Cosmos-based public chains. In the future, public chains with project resources will implement decentralized transaction functions.

With the development of technology, the TPS performance of the third generation public chain has reached 3000, but for the rapid development of the non-linear digital currency trading industry, a single head exchange may soon reach this performance ceiling. PoW-R will provide second-level or even millisecond-level transaction speeds for ecological DEX, and allow smart contracts for digital currencies that cannot define the state process. All this will be achieved through a trustless BTC network with transaction fees approaching zero and unlimited expansion of TPS. In order to encourage the development of DEX and the transaction demand brought by peer-to-peer payment applications, excellent DEX applications also enjoy PoW-R application ecological incentive subsidies.

When the PoW-R production reduction asset mining platform accumulates a large amount of traffic and becomes a new traffic highland, the development of the

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trading platform business is a necessary direction, but the traditional centralized exchanges have obvious disadvantages and a stable structure. Decentralized exchanges will become PoW-R is moving towards trading business, which is an important step to increase PoW-R's ecological business income and token value growth.

### -Decentralized e-commerce and retail

In the traditional retail era, "centralized e-commerce" is the main way for merchants to connect. An e-commerce platform concentrates all merchants and eyeballs / traffic, becoming the first entrance for consumers to shop. However, in the new retail era that focuses on user traffic, retailers are gradually realizing the importance of their own traffic. Having an independent e-commerce platform and "decentralized e-commerce" have become new demands for businesses.

PoW-R's ERC2.0 ecosystem can meet this demand. In the PoW-R ecosystem, the user browses the e-commerce DAPP, selects a certain product and places an order. The e-commerce DAPP requests the user's identity information through the PoW-R payment protocol. After verification, the payment request is initiated to the payment chain to pay. After the success, the order information is synchronized to the logistics chain. After the logistics chain obtains the order information, it goes to the merchant's warehouse to pick up the item and delivers the item to the user. All the off-chain information is synchronized to the logistics chain in real time through the Internet of Things.



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Through the technical application of the PoW-R payment protocol, all information of users of the e-commerce platform, including request information, payment information, logistics information, and capital flow information, are circulated in a trusted network. The user's privacy and data are controlled by the user himself, To avoid the monopoly, fraud, fraud and other problems of centralized e-commerce.

-Decentralized financial industry

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An important proof of collateral lending for core payment tools and funds in the DeFi field.

In the existing financial system, financial services are mainly controlled and regulated by the central system, whether it is the most basic access to transfers, or loans or derivatives transactions. DeFi hopes to establish a transparent, accessible, and inclusive peer-to-peer financial system through a distributed open source protocol, which will minimize the risk of trust and allow participants to obtain financing more easily and conveniently.

Compared to traditional centralized financial systems, these DeFi platforms have three major advantages:

-Individuals with asset management needs do not need to trust any intermediary.

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The new trust is rebuilt on the machine and code;

-Anyone has access, no one has central control;

-All protocols are open source, so anyone can collaborate on the protocol to build new gold

Financial products and accelerate financial innovation under the network effect. DeFi is a broader concept, including: currency issuance, currency transactions, borrowing, asset transactions, investment and financing.

### 5. Development planning and ecological prospects

PoW-R Platform is the first secure, stable and professional encrypted digital asset Reduction production comprehensive mining service ecosystem, committed to becoming the world ' s largest new cycle of reducing the production of high-quality assets and comprehensive income service ecosystem, for the benefit of the community and the benefit of users For platform prosperity.

Digital asset mining is the mainstay and core industry of the digital currency industry, and the production reduction cycle is coming. The production reduction cycle is not a simple moment. From a financial perspective, this is the beginning of a new growth cycle. At present, the market is Understanding is limited to short-term hype, and very few people with past mature investment experience and great vision can see the significance of this for the next 2-3 years of the dividend cycle. The PoW-R Platform Foundation and the core community have identified this great historical opportunity, becoming the first integrated service ecology focused on reducing production in the

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mining industry, and have the greatest potential to become a leader in a new digital currency growth cycle.

The next plan mainly runs through the following points, and in business practice adheres to the principle of community-based users to continuously optimize strategies and tactics in order to achieve the common prosperity and prosperity of the community.

-First, improve the product line and business line of the mining pool, and reduce the allocation of assets in core types. Timely selection and combination of the most cost-effective mining currency with different units per month / week / day and distribution to community investors, and the deployment of emerging early low-value high-potential high-quality asset currencies as current and spot High-yield portfolio.

-Second, expand the management of digital asset production reduction funds to help users passively hold and manage long-term production reduction assets. Real high-yield investments are obtained regardless of short-term fluctuations and long-term holdings. Users who bought and held Bitcoin 5-10 years ago are such cases, but the fact that the secondary market is in violation of investor psychology and causes many Investors can't hold it, chase it up and sell it down. This is exactly what the platform can help to solve and share dividends. It is the core to help investors "hold and hold" and "proactively allocate high-quality growth assets" to obtain excess returns.

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First of all, to consolidate, maintain and expand the base of community participants in the production reduction mining fund- $\beta$  "holding fund", to create a trending dividend

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Secondly, indirectly configure the production reduction mining fund- $\alpha$  "active fund" for high-level community users, creating more high-yield and risk-controllable dividend opportunities

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-Third, improve the all-round circulation scenario of the PoW-R platform ecological token, accelerate the deflation rate, and promote the increase in the dividend of unit tokens and the long-term increase in the price of unit tokens.

Through the PoW-R platform ecological token, the platform ecology will share the revenue with all users of the platform, and the ecological profit will be returned to the community by means of market liquidity repurchase, dividends, and destruction. Early ecological users will take the lead from PoW-R early Obtain extremely low-valued tokens in the trading platform and enjoy the actual price increase brought by the commercial development of the platform. PoW-R is pursuing the

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overall profitability and substantial growth of the business ecosystem, and has already been profitable at an early stage, so it will not lack the price support and even return to zero as some of the targets of the traditional currency circle appear.

Since the future, let us witness together, and more importantly, participate together and benefit together!