

# NECT

New Energy Blockchain  
Token  
Version v1.0

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## Chapter one

# 背景介绍

## Background introduction

### WHAT IS BLOCKCHAIN

Block chain is a new application mode of computer technology, such as distributed data storage, point-to-point transmission, consensus mechanism, encryption algorithm. The so-called consensus mechanism is the block chain system to achieve the same node between the establishment of information, access to rights and interests of the mathematical algorithm.

Blockchain is an important concept of Bitcoin. It is a de-centralized database and is used as the underlying technology of Bitcoin. Block chains are a series of data blocks generated by cryptographic correlation. Each data block contains a bit-coin network transaction information, which is used to verify its informativeness (anti-counterfeiting) and generate the next block.

### BLOCKCHAIN CHARACTERISTICS

#### 1. DECENTRALIZATION

Because of the use of Distributed Accounting and storage, there is no centralized hardware or management mechanism, and the rights and obligations of any node are equal. The data blocks in the system are maintained by the nodes

with maintenance function in the whole system. Benefiting from the de centralization feature of block chains, bitcoin also has the characteristics of centralization.

# Chapter one

## 2. OPENNESS

The system is open. In addition to the private information of the parties involved in the transaction is encrypted, the data of the block chain is open to all. Anyone can query the block chain data and develop related applications through the open interface. Therefore, the information of the whole system is highly transparent.

## 3. AUTONOMY

Block chains use consensus-based specifications and protocols (such as an open and transparent algorithm) that allow all nodes in the system to freely and safely exchange data in a trusted environment, so that trust in "people" becomes trust in machines, and no human intervention works.

## 4. INFORMATION CAN NOT BE-TAMPERED WITH.

Once the information is validated and added to the block chain, it will be stored permanently.

Unless more than 51% of the nodes in the system can be controlled at the same time, the modification of the database on a single node is invalid, so the data stability and reliability of the block chain is extremely high.

## 5. ANONYMITY

Since the exchange between nodes follows a fixed algorithm, and the data exchange is trustless (the rules in the block chain determine whether the activity is valid or not), the counterparty does not have to trust himself through the way of public identity, which is helpful to the accumulation of non-trust.

# 背景介绍

## Background introduction

### WHAT IS THE NECT?



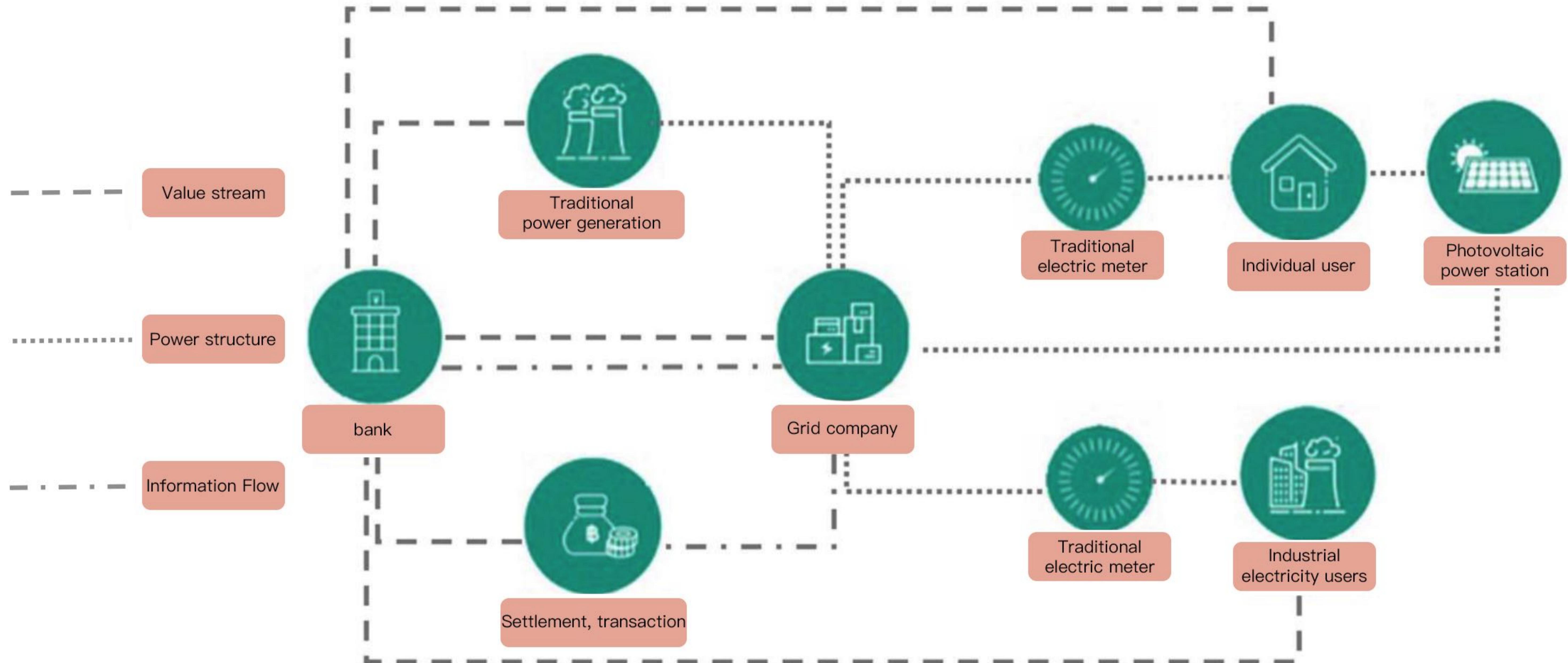
Electricity is the key driving force for social progress. The degree of electrification of the global population is 84%. All countries in the world need safer and cheaper electricity to consolidate and promote economic development.

NECT is a global block chain application project that optimizes the traditional power production and consumption structure, realizes power P2P transactions, and promotes the development of smart micro-grid, distributed generation and energy storage industries.

## Chapter one

# 传统电力结构

Traditional power structure



# 传统电力生产消费结构面临的新问题

The new problems facing the traditional electric power production, consumption structure

## 1. THE ROLE OF ELECTRICITY CONSUMERS IS CHANGING

Power grid companies in most countries around the world are monopolized, resulting in high electricity prices. However, with the development of energy storage technology, distributed power generation technology, and the ever-decreasing cost, people began to demand to produce and store electricity and sell electricity. Traditional power users are transforming their roles from consumers to producers.

## 2. ENVIRONMENTAL PROTECTION CONCEPT IS DEEPLY ROOTED -IN PEOPLE'S HEARTS

The environmental awareness of enterprises and the public is continuously strengthened, and it is more concerned about whether electricity consumption is primary electricity (power generated by hydropower, wind power and solar power). However, monopoly grid companies cannot provide electricity production information.

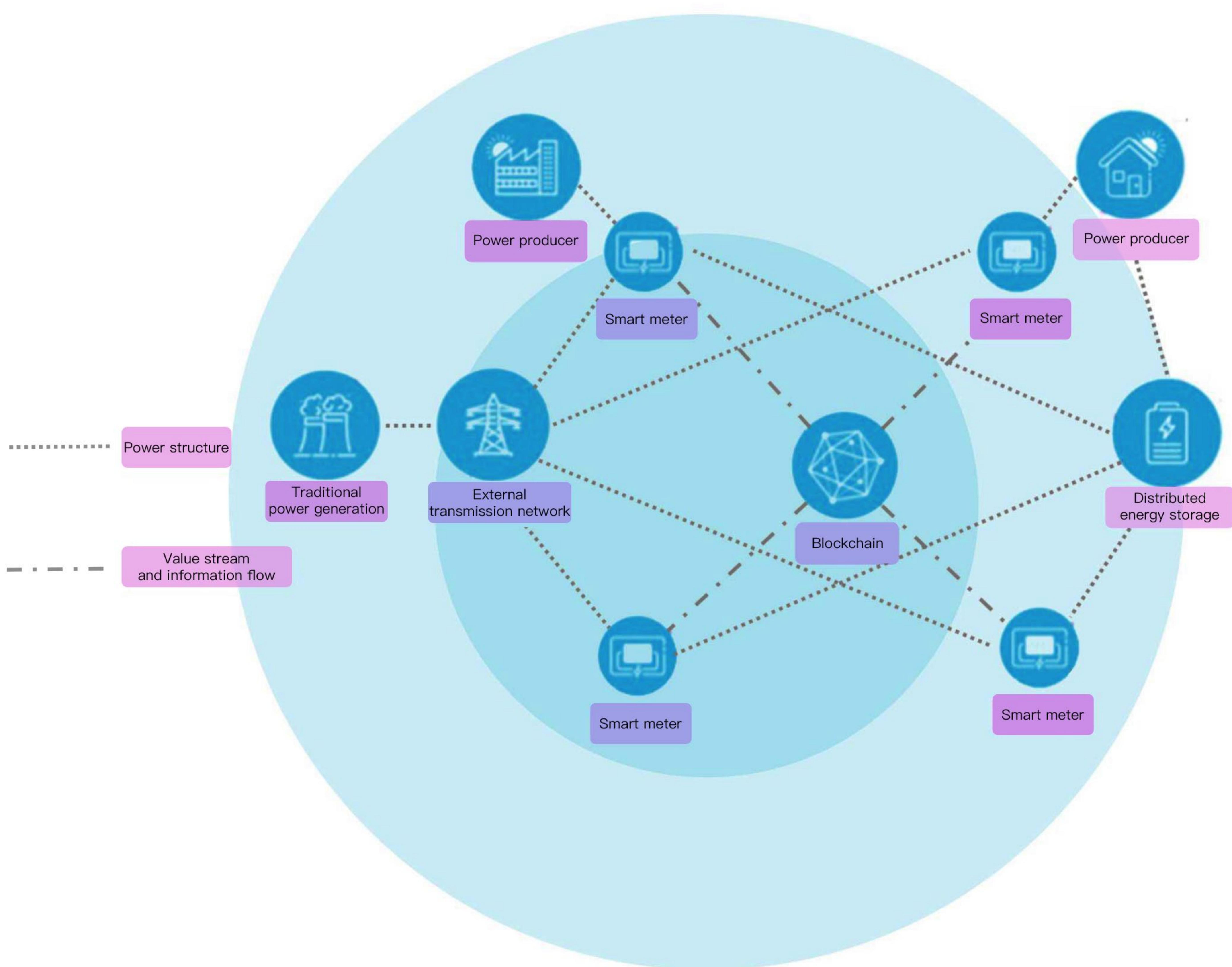
## Chapter one

### 3. LARGE GRIDS HAVE LOW EFFICIENCY AND POOR SAFETY

With the surge in power demand (especially in the era of electric vehicles), the scale of the power grid is getting bigger and bigger, the long-distance power transmission costs are high, the waste is serious, and the power grid becomes fragile. In New York in 2012, the hurricane Sandy destroyed. The concept of a hundred years of public power supply, and foreshadows the arrival of a new era of flexible, light traditional distributed energy supply.

## 应用区块链技术的未来能源系统

Future energy systems using block chain technology



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## Chapter one

# NECT能带来什么？

What can NECT bring?

1. Realize power P2P transactions, transforming the traditional power grid into a decentralized, autonomous trading platform, which helps to maintain the value of existing grid assets; at the same time, it can provide power trading system services for smart microgrids. Reduce the investment risk of future smart energy systems.
2. Give power users more choices, people can choose to use only one power, promote the development of hydropower, wind power, solar power technology and cost reduction.
3. Provide digital assetization of power assets and digital assetization platform for power income rights, increase financing channels for new energy companies, and enable enterprises and the public that support clean energy to participate in new energy investments and share revenue.



# 团队介绍

Introduction to investors



Geke



Andreas



Jim Jiang



Andrew Ye



Sam Zhao



Jucky Tao

# 投资人介绍

Introduction to investors



StanLey Yuan



Sunny Wu

# 机构投资

Institutional investment



中和阳光基金

# NECT信仰者

## NECT believers



### David Dong

The first developer of Internet financial system, senior virtual currency player, and well-known entrepreneur of Internet finance.



### Joshua Shelton

Senior software engineer and architect, 10 years experience in large server software architecture, 5 years chief technical officer experience. He is good at more than 12 programming languages and has a deep understanding of the core underlying technologies related to Ethereum.



### Aaron Lu

Senior engineer, who is building a scalable IT project with more than 12 years of experience, is headed by the CEO of the Financial and E-Business Intelligence Company.



### JACK Feng

Senior engineer, JACK began his brilliant career by self-learning more than 10 programming languages. His focus is on cryptocurrencies and has helped companies to conduct penetration testing and security expertise.

## Chapter three

# NECT发展规划

## NECT development plan



## NECT发行量

### NECT CIRCULATION

A total of 3 billion NECT tokens were issued. The energy industry is also a classic industry. The annual capital is trillions. The 3 billion NECT is issued to mobilize the efficiency of the entire industry and will never be issued in the future.

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## Chapter four

# NECT代币

NECT token

## INTRODUCTION TO NECT TOKEN

NECT Token is a decentralized blockchain digital asset based on the Ethereum ERC20 standard. It is based on the secondary development of the standard token of the Ethereum blockchain.

From the perspective of attributes, NECT token is equivalent to bitcoin Bitcoin, Litecoin Litecoin, Ethercoin Ether and other blockchain digital ledgers. Our choice of relying on ERC 20 is mainly due to the following considerations:

- **Development Cost:**

The Ethereum ERC 20 standard provides a complete set of Token release and maintenance solutions, and its effectiveness has been widely recognized by the public. Utilizing the Ethereum infrastructure can reduce the cost of network construction and potential vulnerabilities caused by full self-development.

- **Security:**

Ethereum has the largest computing network in the world, which means it is the safest blockchain network in the world. With its network, our NECT can also achieve unprecedented security.

- **Flowing:**

There is a one-to-one correspondence between the NECT wallet address and the Ethereum address. Users can more easily communicate and transfer with other digital accounts running on the chain.

# 平台总架构

Platform general architecture

## CLIENT APP

We provide a multi-platform, easy-to-use, and beautiful UI operation interface to meet the needs of users in various scenarios. Specifically, it includes a PC-side app that supports mainstream operating systems such as Windows, MacOS; mobile app, supports mainstream operating systems such as iOS, Android; Web page app, and supports mainstream browsers such as IE11+, Chrome, Firefox.

## BACKGROUND LOGIC MODULE

The NECT backend is the key to the entire system: the account management module records information about the user's various information and currency balances; the exchange platform integration system provides a unified buy/sell service interface for the current exchange platform on the market, with the aim of using redemption. The platform (including on- and off-site) quickly completes user redemption needs. On this basis, we will provide a wide range of services, such as automatic redemption APIs, etc. Different services are packaged into different modules to provide users with ease of use as much as possible.

## DATA STORAGE

We use local storage combined with advanced distributed cloud storage solutions to maximize data security and durability.

## Chapter six

# 币权比例设计

NRC development plan

**THE TOTAL NUMBER OF NECT ISSUANCE IS 3 BILLION,  
AND THE DISTRIBUTION RULES ARE AS FOLLOWS:**

PROPORTION	DISTRIBUTION PLAN	DESCRIPTION
20%-S% where S% is the actual proportion of ICO participation	Public exchange	Public exchange for BTC, ETH will be used for the development and maintenance of the entire project, follow-up NECT return
30%	Strategic investor	Assigned to early investors (10% for the cornerstone) and strategic investors (20% for private placement) for pre-project technology development and community building costs.
20%	Technical team	Used for team recruitment and incentives, unlocking 1/4 a year after going to the exchange
30%+ (20%- S%)	foundation	The remaining part of the ICO, 20%-s%, will be managed by the Foundation, with 10% of the base part freezing period of three years and the remaining 20%+(20-S%) being managed by the Foundation Management Team for community incentives. Market expansion, marketing, promotion costs, etc.

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## **Chapter six**

### **FOR THE ABOVE RATIO WE MAKE THE FOLLOWING EXPLANATION:**

- The base wheel 1ETH=300000NECT, the total amount of 300 million raised 1000ETH, the on-line exchange began to thaw, 20% thawed every month, and the thawing was completed in 5 months.
- Private placement began on September 1, 2018. The first phase of private placement was 10%, 300 million NECT raised 3000 ETH, 1ETH=100000NECT, the exchange was unfrozen 50%, and after three months it was thawed 50%.
- Private placement began on October 1, 2018. The second phase of private placement was 10%, 300 million NECT was raised by 3750 ETH, 1ETH=80000NECT, the exchange was defrosted by 50%, and after three months it was thawed by 50%.
- The actual participation of ICO in Token accounts for s% of all Token ratios ([0 - 20]%, ie 0-600 million). The actual amount is finally determined based on the actual amount of exchange. The ICO price ratio is 1ETH=50000NECT. It starts after the private placement is completed.
- The community incentive (airdrop) part, the proportion does not exceed 5%, 150 million NECT, unlocked three months after the exchange.

### **PRICE CALCULATION METHOD**

If it is bitcoin, convert it to Ethereum according to the price of the day such as (lenth=0.071btc).

### **TECHNICAL TEAM TOKEN THAWING PLAN**

The technical team holds a base ratio of 20%, and the token thawing plan is planned as follows: 25% is released each year for 4 years.

### **EXIT MECHANISM**

All incomes of the entire project, ETH, BTC, are all transparent and detailed, and each expenditure record is recorded. If the project is postponed, the team expenses will be released, and NECT will be released in proportion to the market.

# 更多资料

## More Info

### 词汇说明

#### Words that

- **Bitcoin/比特币:**

Bitcoin is a kind of virtual currency based on cryptography. It does not rely on the issuance of a specific currency institution, but is generated by a large number of calculations according to a specific algorithm. Bitcoin uses a number of nodes throughout the P2P network to confirm and record all trading behaviors, and uses cryptographic design to ensure the security of all aspects of the currency flow. The concept of Bitcoin was originally proposed by Nakamoto in 2009. According to the idea of Nakamoto, the open source software was released and the P2P network was constructed. Bitcoin is a digital currency in the form of P2P that implements a point-to-point decentralized payment system.

- **P2P:**

Also known as peer-to-peer networking technology, it is a new network technology that relies on the computing power and bandwidth of participants in the network, rather than concentrating on a small number of servers. P2P networks are used to connect nodes through Ad Hoc connections. Such networks can be used for a variety of purposes, and various file sharing software has been widely used. Pure P2P nodes serve as both client and server, no central server, and no central router.

- **ICO:**

It is the abbreviation of Initial Coin Offering. As the name implies, it is a way of raising funds in return for the initial digital cryptocurrency. The ICO is adapted from the term "Initial Public Offering" in the securities industry. As far as the goods are concerned, ICO is also a kind of 'public offering', which only turns the subject matter issued from securities into digital cryptocurrency.

# Chapter seven

## • Merkle Tree:

Merkle Tree, a tree (the tree in the data structure), is mostly called the Merkle Hash Tree on the Internet because all the nodes of the Merkle Tree it constructs are hash values. Merkle Tree has the following characteristics: 1. It is a tree, which can be a binary tree or a multi-fork tree. It has all the characteristics of a tree structure, whether it is a forked tree or not. 2. The value on the leaf node of the Merkle tree, It is specified by you. This depends mainly on your design. For example, Merkle Hash Tree will use the hash value of the data as the value of the leaf node. 3. The value of the non-leaf node is based on all the leaf node values below it, and then according to certain The algorithm is calculated. For example, the calculation method of the non-leaf node value of Merkle Hash Tree is to combine all the child nodes of the node, and then hash the calculated hash value of the combined result.

## • 智能合约(Smart Contract):

The term dates back at least to 1995 and was proposed by the prolific cross-disciplinary legal scholar Nick Szabo. He mentioned the concept of smart contracts in several articles published on his website. His definition is as follows: “A smart contract is a set of promises defined in digital form, including agreements on which contract participants can implement these commitments. The basic idea of smart contracts is that many contract terms can be embedded in hardware and In the software.

## • 以太币(ETH):

Ethereum is a digital token that is regulated as “Bitcoin version 2.0”. Using the blockchain technology “Ethereum”, which is different from Bitcoin, developers need to pay Ethereum (ETH). ) to support the operation of the application. Like other digital currencies, Ethereum can be traded on the trading platform.



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## Chapter seven

- **KYC:**

Know Your Customer (a full understanding of your customers) is an intensive review of account holders and is the institutional basis for anti-money laundering to prevent corruption. The KYC policy not only requires financial institutions to implement the real-name account system, but also the actual controller of the account and the actual beneficiary of the transaction. It also requires a full understanding of the customer's identity, permanent address or business operations, and takes corresponding measures.

- **AML:**

Anti-money Laundering

- **AI:**

Artificial Intelligence, abbreviated as AI in English. It is a new technical science that studies and develops theories, methods, techniques, and applications that simulate, extend, and extend human intelligence. Artificial intelligence is a branch of computer science that attempts to understand the essence of intelligence and produce a new intelligent machine that responds in a manner similar to human intelligence. Research in this area includes robotics, speech recognition, image recognition, Natural language processing and expert systems.

- **Machine learning/机器学习:**

Machine Learning (ML) is a multi-disciplinary subject involving many disciplines such as probability theory, statistics, approximation theory, convex analysis, and algorithm complexity theory. Specializing in how computers simulate or implement human learning behaviors to acquire new knowledge or skills and reorganize existing knowledge structures to continuously improve their performance.



## Chapter seven

# 更多资料

## More Info

## 常见问题

### Common Problem

**Big Data:** A collection of data that cannot be captured, managed, and processed by conventional software tools within a certain time frame. It is a massive amount of decision-making, insight, and process optimization capabilities that require new processing models. High growth rates and diverse information assets.

**Chinese government's attitude towards Bitcoin:** To protect the property rights of the public, protect the legal currency status of the renminbi, prevent money laundering risks, and maintain financial stability, the People's Bank of China, the Ministry of Industry and Information Technology, the China Banking Regulatory Commission, China Securities Regulatory Commission The Management Committee and the China Insurance Regulatory Commission jointly issued the "Notice on the Prevention of Bitcoin Risk by the China Securities Regulatory Commission of the China Securities Regulatory Commission of the China Banking Regulatory Commission of the Ministry of Industry and Information Technology of the People's Bank of China" (Yin Fa [2013] No. 289, hereinafter referred to as "Notice").

The "Notice" clarifies the nature of Bitcoin. It believes that Bitcoin is not issued by the monetary authorities. It does not have monetary attributes such as legal and mandatory, and is not a real currency. In terms of nature, Bitcoin is a specific virtual commodity that does not have the legal status equivalent to currency and cannot and should not be used as currency in the market. However, bitcoin transactions act as a way of buying and selling goods on the Internet, and ordinary people have the freedom to participate at their own risk.

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## Chapter seven

# 更多资料

More Info

# 问题答疑

Question answer

## 1. What is the total amount of NECT? Will it increase in the end?

The total amount of NECT is 3 billion, which will not increase in the future.

## 2. How to participate in NECT crowdfunding?

Those who participate in the redemption can participate in crowdfunding through the following platforms: professional virtual currency private pools, private equity professional websites.

## 3. How does NECT guarantee the security of private equity ETH?

All ETHs obtained in this public sale will be deposited in the multi-signature wallet. The key of the multi-signature wallet will be held by the NECT Foundation. Any movement of ETH must be reviewed by multiple managers.

## Chapter eight

# 免责声明&风险提示

## Disclaimer & risk indication



The information contained in this chapter is a disclaimer and a risk warning. Please read the relevant intent fans carefully.  
Last updated August 30, 2018

### **DISCLAIMER**

This document is for informational purposes only and does not constitute an opinion regarding the purchase or sale of shares or securities of NECT. Any similar offer or levy will be made under a trusted term and with the applicable securities laws and other relevant laws, and the above information or analysis does not constitute investment decisions or specific recommendations.

This document does not constitute any investment advice, investment intention or instructed investment in the form of securities. This document is not intended to be an understanding or offer of any purchase or sale, or any act of invitation to buy or sell, any form of securities, or any form of contract or commitment.

NECT clearly stated that the relevant intention users clearly understand the risks of the NECT platform. Once the investors participate in the investment, they understand and accept the risk of the project and are willing to personally bear all the corresponding results or consequences.

NECT expressly disclaims any direct or indirect losses caused by participation in the NECT project including:

1. This document provides the reliability of all information.
2. Any errors, omissions or inaccuracies that result from this
3. Any resulting behavior
4. Ownership of the App, NECT Coins does not grant any individual, any participation, control, or any right to make decisions regarding NECT and NECT applications.

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## **Chapter eight**

# **RISK WARNING**

### **1) Risk of losing NECT coins due to loss of certificate**

The purchaser NECT currency is associated with an Ethereum address before being assigned to the purchaser. The only way to manipulate the content contained in the address is the purchaser's relevant voucher (ie, the private key or the wallet password). Loss of these voucher will result in the loss of the NECT currency. The best way to securely store your login credentials is for the buyer to separate the credentials into one or several places for secure storage, and preferably not to store them on a public computer.

### **2) Risks associated with the Ethereum core agreement**

NECT coins are developed based on the Ethereum protocol, so any failure of the Ethereum core protocol, unpredictable functional problems or attacks can cause the NECT currency NECT application to stop working or lack functionality in an unpredictable manner. In addition, the value of the defeat in the Ethereum agreement may also be reduced in value in the same way as NECT or in other ways. Additional information about the Ethereum agreement <http://www.ethereum.org>

### **3) Risk associated with the purchaser's voucher**

Any third party who obtains the purchaser's login credentials or private key may directly control the purchaser's NECT currency. To minimize this risk, the purchaser must protect their electronic device from unauthorized access requests and access to device content.

### **4) Risks related to judicial supervision**

Blockchain technology has become the main regulatory object in various countries in the world. If the regulatory entity intervenes or exerts influence, NECT applications or NECT coins may be affected. For example, legal restrictions restrict use, sales, electronic tokens such as NECT coins may be restricted. , hindering or even directly terminating the development of NECT applications and NECT.

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## **Chapter eight**

### **5) NECT application lacks the risk of attention**

NECT applications have the potential to be used by a large number of individuals or organizations, which means that the public does not have enough interest to develop and develop these related distributed applications. Such a lack of interest may have a negative impact on NECT coins and NECT applications.

### **6) NECT related applications or products do not meet the risks expected by themselves or the purchaser**

The NECT application is currently in the development phase and may undergo major changes before the release of the official version. Any NECT or purchaser has expectations or imaginations about the function or form of the NECT application or NECT currency, including the participant's behavior. It may not meet expectations, any erroneous analysis, a design change, etc. may cause this to happen.

### **7) Risk of hacking or theft**

Hackers or other organizations or countries have the possibility of attempting to interrupt NECT applications or NECT currency functions in any way, including service attacks, Sybil attacks, guerrilla attacks, malware attacks or consistency attacks.

### **8) The risk of rapid development of vulnerability risk or cryptography**

The rapid development of cryptography or the development of technology such as the development of quantum computers, or the risk of cracking to the encryption token and NECT platform, which may lead to the loss of NECT coins.

### **9) Lack of risk of maintenance or use**

First of all, NECT coins should not be used as an investment. Although NECT coins may have a certain value after a certain period of time, if NECT lacks maintenance or use, this value may be very small. If this happens, there may be no follow-up followers or few follow-ups without this platform. Obviously, this is very unfavorable for NECT coins.

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## **Chapter eight**

### **10) Risk of uninsured losses**

Unlike accounts in bank accounts or other financial institutions, there is usually no insurance coverage stored on the NECT account or the Ethereum network. In any case, there will be no open individual organizations that cover your losses, but such as FDIC or Private insurance companies will provide protection for buyers.

### **11) Application of the risk of failure**

The NECT platform may fail due to various reasons and may not be able to provide services normally. In severe cases, the user's NECT currency may be lost.

### **12) Unforeseen other risks**

Cryptography tokens are a new and untested technology. In addition to the risks mentioned in this white paper, there are some risks that the NECT team has not mentioned or expected. In addition, other risks may suddenly appear. Or appear in the form of a combination of various risks already mentioned.

## **VERSION UPDATE INSTRUCTIONS**

This version is version 1.0, the Foundation will cut off optimization, update, upgrade in the future...