



RES
RENEWABLE ENERGY SAVING

Whitepaper

RES Coin

Renewable Energy Saving Token RES

KEMtechnology Co., LTD.

2019-02-03

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PART I . Summary

1. Definition of Crypto Currency

Encryption currency defines electronic money that is constructed based on blockchain technology.

Individuals and individuals require a qualified agency or broker, such as a bank, in the middle to make transactions, which is time-consuming and costly. In particular, international transactions require a higher fee and more time-consuming.

Block Chain technology is a system that is written on the cloud ledger without intervention of the financial institution for transaction details between A and B, and it is a monetary system that guarantees perfect security and can be traded without authorized agencies or brokers.

The role of issuing, certifying and securing the current currency, ie, the work of the state or the bank, was rejected by a person named Satoshi Nakamoto, who was anonymous in 2009, has created the deconcentrating system called bitcoin, based on the block chain technology, for the first time in the world.

In this kind of block chain system, it is accompanied by mining, which means that information about transactions between A and B is obtained through mathematical problem-solving. It is expressed as mining because it solves the problem little by little like mining the minerals, creating a block at the end.

The mining of the crypto currency continues to generate a block chain of coins to generate a block in real time by proving the transaction and prevent the hacking, thereby enhancing the security barriers of the cryptography.

During the remittance/transaction of virtual currency, many mining devices do authentication process (connect using P2P method) for the transaction and after 51% of the

total issue block have been confirmed, it will be approved, and as part of the reimbursement for providing computer resources, a portion of the fee will be the source of income of the mining.

There are ways to hold coins, such as mining and purchasing on an exchange or participating in an early presale (ICO) etc., and for mining methods, POS (Proof of Stake) method has been carried out in addition to POW (Proof of Work/mining)

In addition, there is a coin, which has its own main net constructed with an altcoin that must undergo certification through direct mining, and a coin with a smart contract by receiving a token through an already commercialized etherium.

2. Development Background of RES Token (RES Coin)

Many encrypted currencies are created and destroyed by block chain technology.

It will be published for the first time, research for a certain period of time, and many development costs, but in the end, many coins disappear because they are not commercialized.

We had the following problems for coin extinction and released a RES coin to improve the consciousness of these problems.

- ▶ Limitations of Revenue: There is no income for a certain period
- ▶ Limitation of Use: There is no actual use, so it is not used, and price defense is unavailable
- ▶ Lack of distribution channels through exchanges: Most of the coins disappear because they cannot even trade if they are not listed.

3. Purpose of RES Token (RES Coin)

RES Token will be designed and distributed to improve the problems of existing cryptography.

First, RES Token is a profitable coin. RES Token aims at automatic allocation according to the profit of KEMtechnology which issued the token by smart contract. Second, RES Token is designed to be usable by withdrawing cash at any time through kiosk withdrawal machine. Third, it aims to make it possible to sell and invest in international exchanges at any time.

It is the profit coin to personally operate mining coins, exchange management, and finance with top experts in each area.

In addition, RES Token uses the Smart Contract function to determine the direction of the project in KEMtechnology in a democratic way.

The mining coin decision (ETH, BCH and other five types) of the mining equipment operated by KEMtechnology, or it examines the degree of difficulty according to the hash power of the mining coin, which means that the company can participate democratically in its decision-making function in the smart contract function rather than one-sidedly.

4. Feature of RES Token (RES Coin)

1) Stability of Funds

The purchase amount of RES Token is the amount to be invested in KEMtechnology instead of simple expenditure like other coins, and it is used as the resources of the equipment operated by the company and becomes stable assets.

2) Profit-Sharing Payout Coin

IEO stands for a system where a cryptographic exchange goes out and collects and discloses cryptographic funds instead. It is a payout coin of profit to the RES Token holders on a daily/weekly air drop basis. 90% of the total amount of ICO installs

equipment and allocates 50% of the total amount of mining, and 40% is used to raise monthly dividend with an additional purchase of mining equipment.

3) Coin Available for Real Usage

Real-time Real-time deposits and withdrawals are available at kiosk (ATM) machines and can be remitted to others.

Worldwide travel and hotel use / Inter-trade transaction payment / International Real-time money transfer service will be provided.

4) Operate with Transparency

① Distribution of tokens according to the amount of output by smart contract function and disclosure of coin transaction status and data provision

② Profit distribution will be daily, weekly, monthly

③ Planning for Mining and Exchange Infrastructure major agenda item introduction and voting for management.

PART II. Vision:

1. Differentiated Eco-Friendly Mining Equipment (RES-M1 Profit Realization)

1) Problems of Existing Mining Equipment

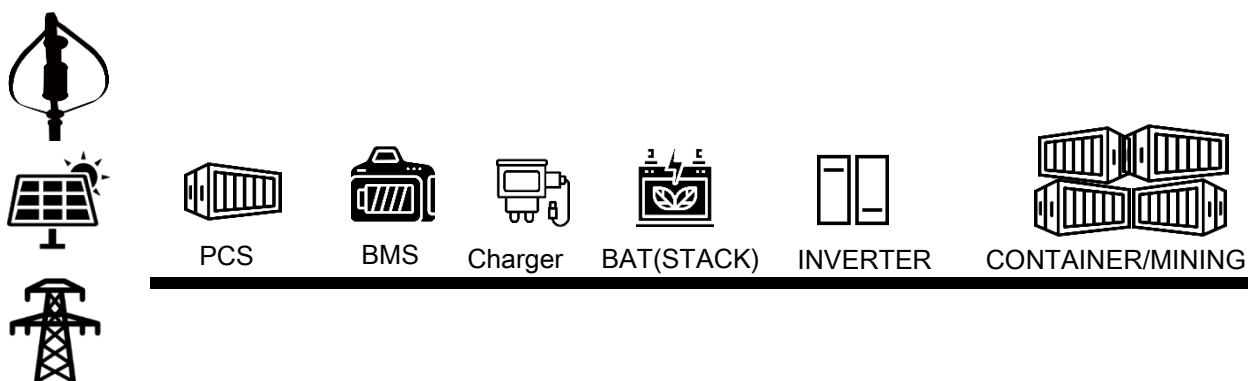
The coin mining company develops mining equipment with better performance in order to increase the mining ability of coin. Currently, the mining equipment that is circulating in the market has a strong point to improve profitability, so the power consumption is relatively high. For example, it is estimated that the power to be used in this year's crypto currency exploitation of mining equipment will reach 100 megawatts. This amount of power consumption is more than the amount used in the home of 340,000 people in Iceland for a year. That's more than 50% of the national power in Iceland, and Digiconomist announced through the Bitcoin Energy Consumption Index that the amount of electricity used for

bitcoin mining is equivalent to the power used by 3 million homes in the United States.

A meteorologist, Eric Hall South, said in a paper published on an environmental news site that "the more the bitcoin is growing in popularity, the more serious the situation will become." "To solve the high-level math problems needed to get more bitcoins requires more processing power, which leads to more electricity use," he says. According to CNBC and other sources, bitcoin's mining and trading sites are consuming 0.5% of the world's electricity.

According to a recent study by Alex de Vries, a Dutch finance and block chain specialist, bitcoin networks currently use 2.55 gigawatts of power. Especially, not only mining but also a lot of electricity is consumed in the trade. It was found that the amount of electricity consumed by one household in the Netherlands for a month was close to that onetime bitcoin transaction. More seriously, power consumption is expected to reach 7.7 gigawatts by the end of 2018. This is similar to the amount of electricity consumed by Australia as a whole. This represents 0.5% of the world's electricity. If bitcoin prices rise and trading volumes increase significantly, electricity consumption due to bit coins may reach 5% of global production in the not-too-distant future. "The 0.5% is already a shocking result, but a big increase in bitcoin volume will result in more electricity consumption," said Alex de Vries. "Crypto currency can cause global warming to intensify." The electricity used by the computer used in the encryption mining is the electricity used by 159 countries for one year, and the electric power used for mining in the electricity billing service already has the annual usage of most of the countries in Ireland and Africa. Total power consumption consumes as much power as the 48th power consumption by country.

2) Container Mining Distribution Diagram in Eco-Friendly Generation



3) New Concept High Performance Low Power Equipment

Compared to the existing mining equipment (P106 12WAY standard), the hash value is about 30 times better, and the electricity cost is only about 10% of the existing equipment.

[Existing Mining Product System]	[New Mining Product System]
p106 12WAY	RES-M1
Hash Power 200~240	Hash Power 6000~7000
Monthly Mining Output 0.6ETH(Feb. 2019, Standard)	Monthly Mining Output 18ETH(Feb. 2019, Standard)
Power Consumption 1,150~1700w/h	Power Consumption 1,800~2,200W/h
Korean electricity billing standard approximately 10thousand won	Korean electricity billing standard approximately 15.5 thousand won

[Existing Equipment & New Equipment Simple Comparison]

<Hash Value> Existing 240. New 7000 (about 30times)

<Mining Output> Existing 0.6ETH. New 18ETH (about 30times)

<Electric Bill> Existing (P106 12WAY) 30units= about 3million won per month

New product (RES-M1) 1unit = 15.5thousand won per month (about 20times)

4) Eco-Friendly Immersion Server Mining Equipment (HIENERGY + Endless Mining Immersion I.D.C)

Chose water precipitation cooling system instead of air cooling system. Unlike the water-cooling method simply using a pipe, the entire board is immersed in a nonconductive special solution. Therefore, there is no cooling fan, no noise and no dust. The cooling performance is excellent and the board itself does not generate heat, so the performance (processing speed) is about 30 times better than the conventional one and the electric charge is only about 10% of the existing equipment. Therefore, it can be considered that the lifespan of the mining equipment is improved by 3times and the efficiency is improved 75 times compared to the conventional mining equipment.

Vapor Liquid Cooling (VLLC) system, which is the next-generation cooling technology, is a system that immerses the system in a non-conductive special liquid to circulate the heat

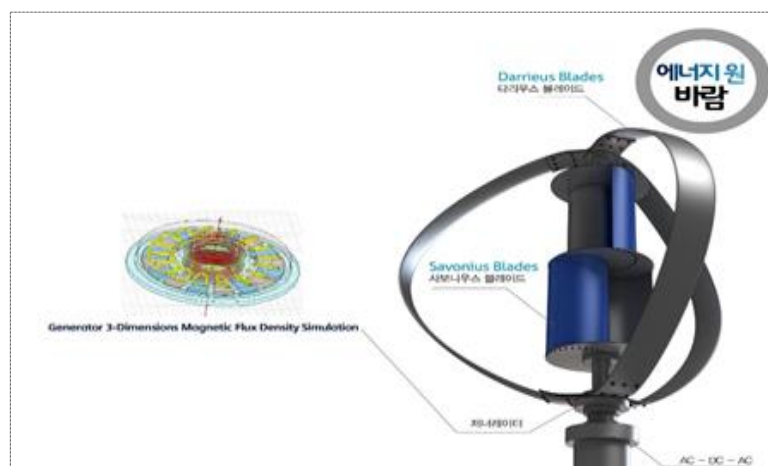
generated by the CPU. Conventional air cooling systems cool the server by flowing air, and there is a risk of corroding the server in places where energy consumption is high and air pollution is severe. The immersion server has about 150 times the performance of air-cooled cooling. It does not need the space like cooler and air conditioner. It reduces the space between CPU and memory, which helps to optimize the design. It is an efficient VLLC server cooling solution that can maintain energy usage in data centers or increase energy up to 95%. The system predicts that the global data center market will grow at a CAGR of over 40% in the future.

(Immersion Server: horizontal 1.5meter vertical 1.0 meter (board 20X20 = 10sheets
horizontal array 3 stages = 30board/1server setting)



<RES-M1 Mining System>

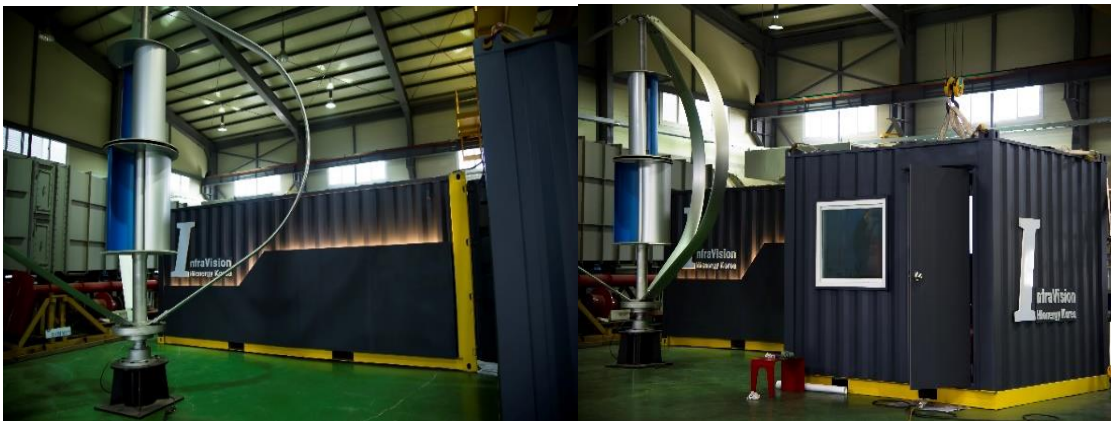
Applying Mining IDC (Immersion Server) system using eco-friendly wind power and solar power generation. In addition, we plan to build a mining infrastructure using the first renewable eco-friendly energy source by applying the electric power supply system, the ESS system, that controls the peak power.



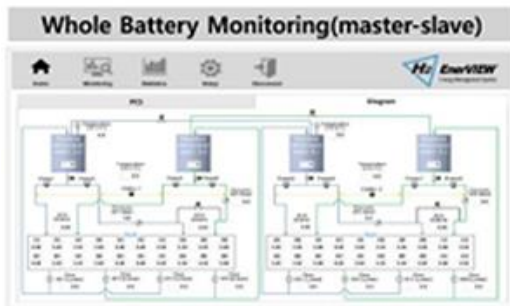
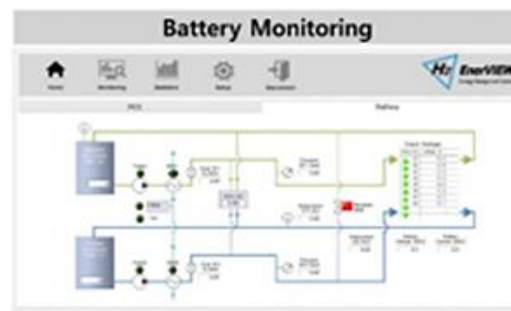


<Energy Storage System40 pt>

(1.2Mw Power Build)



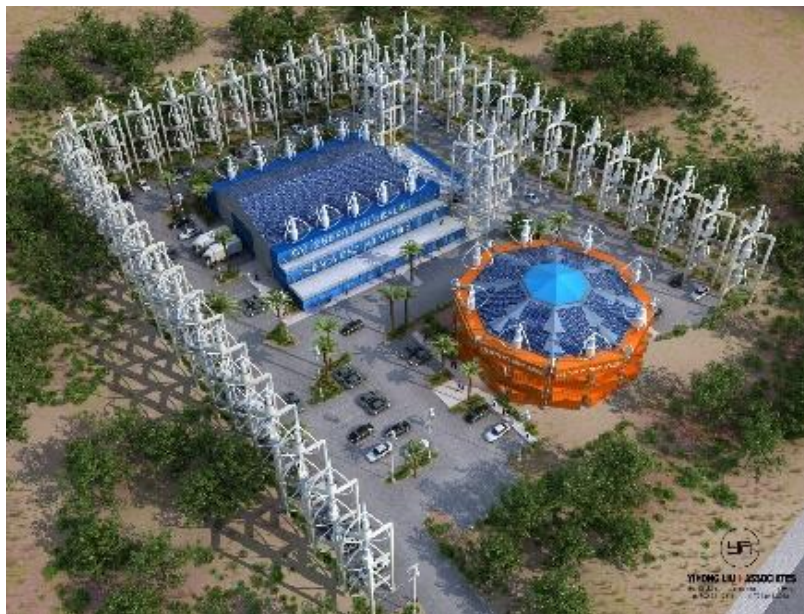
<VRFB System Remote Monitoring (Enter VIEW)>

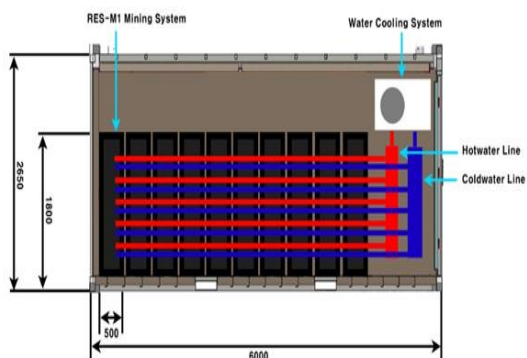


<Optimized Energy Management System and Specifications>

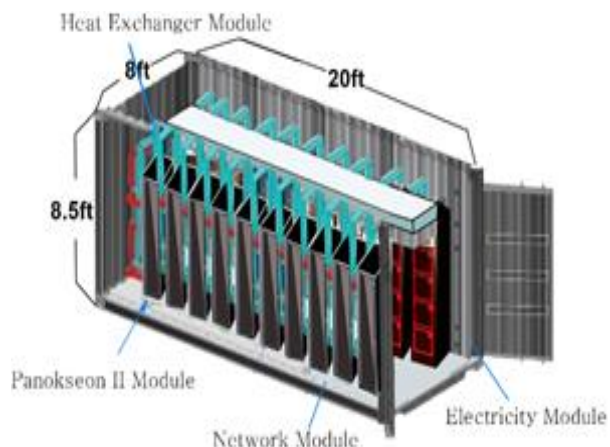
5) Environment-Friendly Container-Based Mining Plant System

One of the main contributors to worsening the global environment is industrial waste. The pollution range of container industrial wastes is as great as that. Various environmental problems are caused by these industrial wastes. It also circulates and contaminates the human body. Nearly 20% of used containers are reprocessed as alternative raw materials for the year, but more than 80% of them are abandoned. By recycling these industrial wastes creatively and replacing them with mining plant containers and creating an environmentally friendly space, mining will improve the disadvantage that the use of electric power is the main cause of global warming. KEMtechnology is an eco-friendly complex cultural space and mining integration center utilizing recycled containers obtained from the principle of growing nature. By implementing the block chain mechanism and using green (wind, solar) energy technology, we can realize our dream of living our lives together with itself.





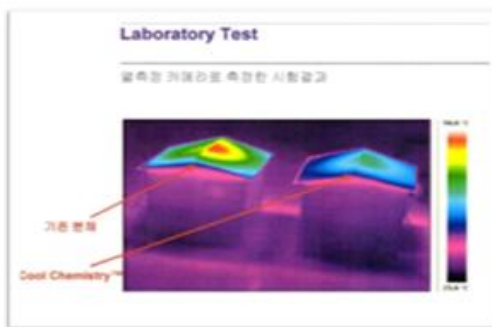
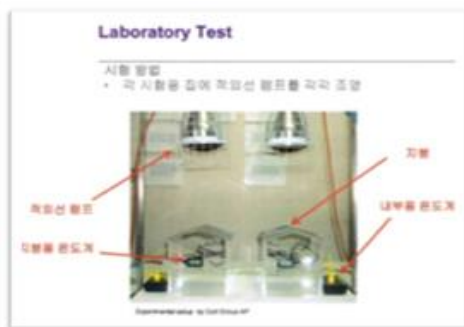
[RES-M1 20ft Container System Sectional drawing]

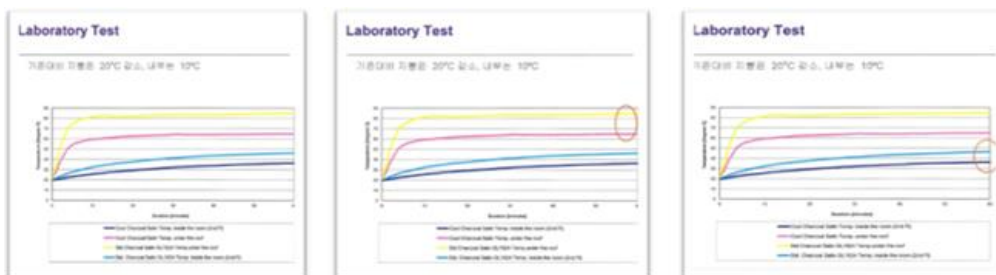


<Size of Container: 20ft (horizontal 5.8m, width 2.3m, height 2.3m) 20 units setting>

* Specially designed paint reduces heat absorption of the object. (Blocks 20°C outside/ 10°C inside)

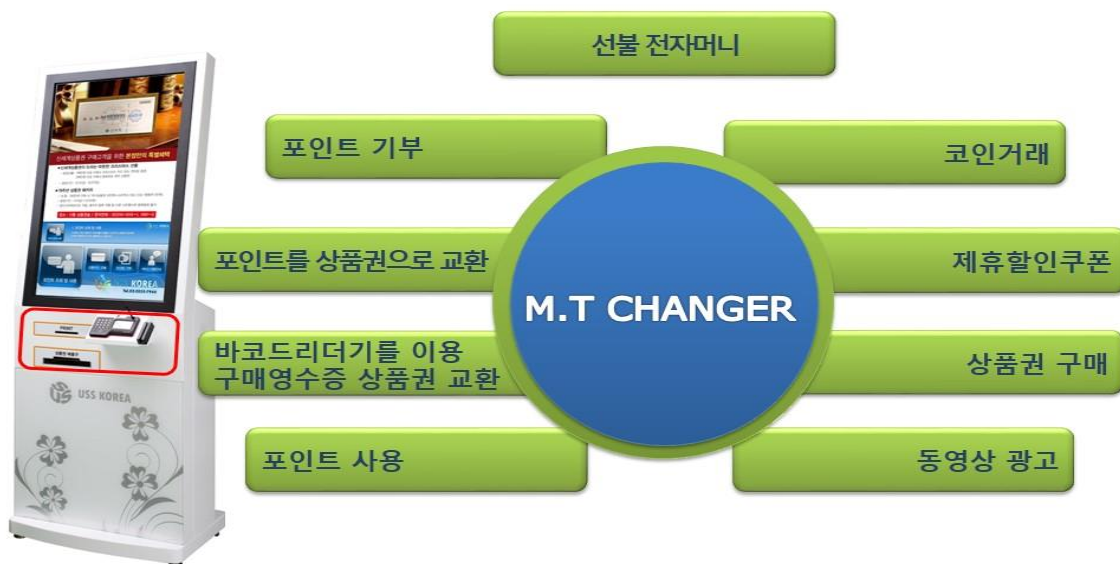
- Reduce air conditioning energy by reducing the heat conducted through walls and roofs
- Minimize transformation of the product by reducing thermal expansion
- Improved durability compared to existing products





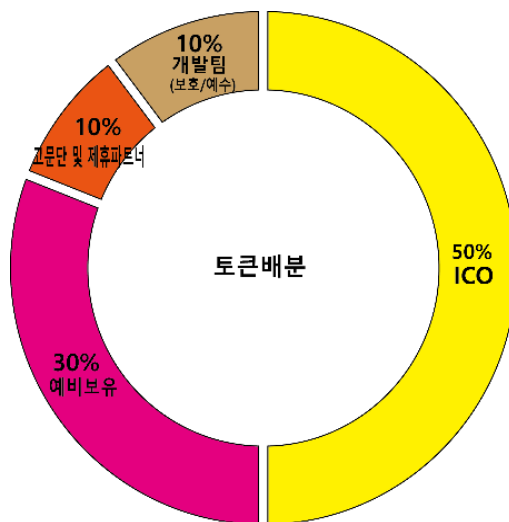
2. Offline Scalability by Utilizing Kiosk(ATM)

Virtual account deposit / withdrawal (using ATM machine)



PART III. ICO PLAN

ICO will be conducted through the due process of the country concerned and will be online and offline at the same time.

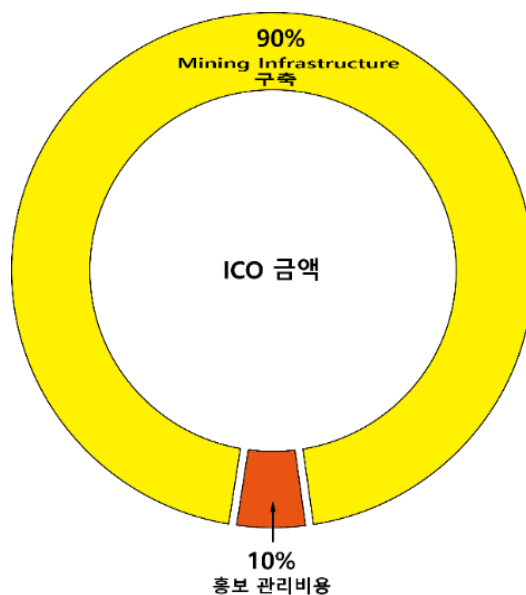


Token Distribution: ICO50%/Reserve 30%/Advisors and Affiliate Partners 10%/Development Team 10%(Keep Securities)

1. Stability of Funds through Exchange

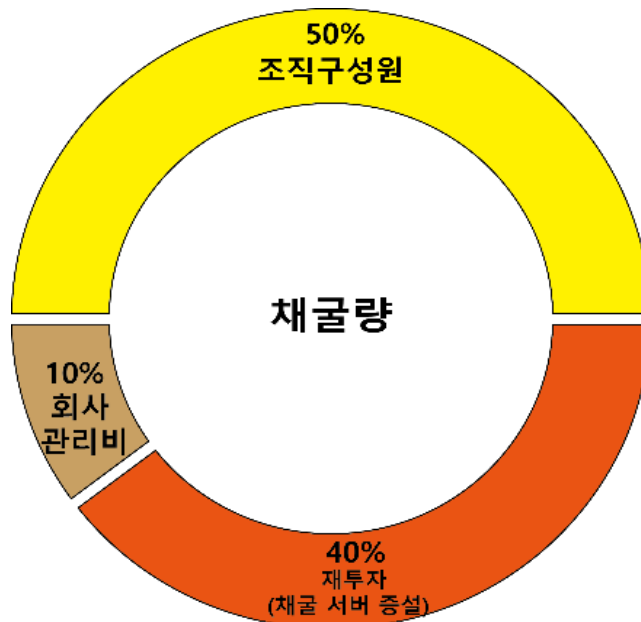
IEO stands for a system where a crypto currency exchange goes out and collects and discloses funds instead. Through the IEO, the exchange conducts technical verification, marketing, and other business operations one-stop, and it allows investors to invest with confidence.

2. Use of ICO Funds



IEO & ICO Amount: 90% Mining Infrastructure Establish/10% R&D and Management Expense

3. Profit Distribution



Mining Output: Organization member 50% Distribution/Reinvest (Extraction of Mining Server) 40%/10% Company Management Fee voting participation 250,000 RES Token holder

4. Voting Right by Operation - Smart Voting

RES Token is an official token designated by Coin International Exchange, and is used for standard trading on the basis of online platform construction, offline scalability by Kiosk, stability and security. The platform is used on a regular basis and redistributes commissions, proceeds to vote for new projects, and redistributes profits based on the POS method and ratio based on the amount of RES Token that you own. Exchange platforms can receive commission payments by mining without participating in transactions, or they can enjoy more profits through the extension of mining equipment. It is distributed to several owners according to certain rules and ratios in the Smart Contract function by POS system. With block chain technology as the core of fairness and transparency, we provide a more secure, fair and open service platform to users to further enhance the security of digital assets and build trust. Build a sustainable block-chain ecosystem through programs where users and exchanges co-exist, trying to be the cornerstone of the global market.

The RES Token holder is a device for the transparent mining pool operation by directly participating in decision making according to mining status (voting), directly grasping the result, and taking responsibility. This includes not only KEMtechnology, which is the operating entity, but also the RES Token holders with over 300,000 RES and is applied to the code with the following details: (The content will change as needed. In addition, RES Token's Smart Voting is a device that enables token holders to identify situations, participate in situational decisions, and by checking and be responsible about the results, it could be a device to operate a transparent company and to ultimately maximize profits. The Smart Voting agenda may be raised not only by the operating entity, RES Token, but also by one or more holders who own more than a certain number of tokens. Voting process design and agenda, voting period, result judgment criteria, etc. can be released to the RES Token system specification or provided by another Smart Contract. Smart Voting is basically a special application of Smart Contract, and the following content is applied to the code (the actual implementation of Smart Voting may change as needed).

- ① Define a voting proposal object. Participant's address, quantity (token retention), expiration time, whether it is running (or voting right), whether it has passed the vote, voting participants, voting results, etc.
- ② Define member. It consists of data that can be confirmed as the owner of the token through the address of the member and the time of holding the token. Only the owner of the token can participate in the vote, or set the Modifier so that the vote can be disputed.
- ③ Define voting rules. Set the length of the pre-discussion needed to vote, the quorum for the vote, and the minimum percentage of votes for passing the vote.
- ④ Defines the template for entering suggestions. In the case of RES Token, coins to be mined and re-investment ratio can be targeted
- ⑤ Define the voting form. Proposed voting proposal number, whether it is agree/disagree.



PART IV. TOKEN Information

- Symbol RES M&E Token
- Base: ERC - 20
- Total Issuance: 1,100,000,000 RES M&E
- SOFT CAP
- HARD CAP
- ETH and other 5 species - Mining Method adopt

PART V. Investor Restrictions and Escape Clause

5. Investor Restrictions

We believe that we should be open to all who benefit from it. Revenue from these devices, granting revenue-sharing rights can be largely categorized under the Securities Act in countries, and RES Token owners in the United States or other countries are strictly limited to the following categories:

- The Following Investors
 - * Without the U.S. Passport
 - * Without Permanent Residency in the U.S.
 - * Not Residing in the U.S.
- Investors authorized pursuant to Regulation D, Rule 506 of the US Securities Act
 - * Investors with a net asset value of more than \$ 1 million, except for the state of residence, or investors with a net income of over \$ 200,000 (or married investors with combined income of \$ 300,000 or more)

The SEC (Securities and Exchange Commission) Directive on Regulation D, Rule 506 (C) requires the issuer to take reasonable measures to secure investors who meet the criteria mentioned above. We apply SEC's Safe Harbor validation to investors residing in the United States at RES Token ICO & IEO. The investor must submit a scanned copy of the securities attorney or CPA showing that the investor is actually authorized. If you do not submit a confirmation, the deposit will be refunded.

6. KYC (Customer Identification) and Security

In order to comply with AML (World Anti-Money Laundering) regulations, we need to know who has funded RES Token through KYC (Know Your Customer), customer certification and self-certification. Therefore, the KYC procedure will ask each buyer to provide their identity information at any time after the IC Token ICO course or ICO completion. The purpose of registering RES Token sales is to fulfill social responsibilities and thus mandate that standards in global banks and financial institutions be applied to prevent identity theft, terror financing, money laundering and financial fraud. KYC authentication is an essential and fundamental condition for token distribution. All buyers must complete the KYC certification process in order to purchase tokens.

7. Types of KYC Process

- Carry out by asking a third party to provide the automatically provided details
- At the end of the manual step, you will be asked to confirm whether you have submitted your identity card (passport, ID card, driver's license) and the picture ID with your residence information. You may also, at your sole discretion, provide Buyer with the address, funding source or other information in the buyer's account (E.g., date of birth) to provide additional information.

8. Escape Clauses and Cautions

This white paper is a conceptual document for understanding the RES Token business. Therefore, our team (including foundation, company, shareholder, and employees' affiliates) provided white papers for the purpose of providing future plans and information. Provided at the time of creation no part of this document, including the conclusions, is warranted to be accurate to the future. The business plan of this white paper cannot be used as an investment invitation and cannot be used to invite other parties to purchase securities or make offers. We do not guarantee the accuracy of any information in this white paper and assume its legal liability.

- First, whether the white paper does not violate the rights of third parties to write on the basis of legitimate rights
- Second, whether white paper is commercially valuable

- Third, Whether the white paper is appropriate for your specific purpose
- Fourth, there is no guarantee that there is no error in the contents of the white paper.
- All decisions made based on the RES information are the responsibility of the decision maker.

The launch schedule of the product (equipment) may be subject to change according to the circumstances of the company. We understand that there is no obligation to update or amend these forecasting information in circumstances other than anticipated.

Please note that even if you refer to this white paper in your decision in the future, it is your choice to make the decision, and that we will not be responsible for any damages, losses, debts or other consequences arising from the use of this whitepaper.

PART VI. Introduce REC team

1. Development TEAM

- Calvin Song (American)
: IBM Backup Solution Tech (firewall setup, network setup, etc.) Current Nasdaq OTC company executive
- Jason Park (American)
: Graphic Design American Hyundai, Kia Motors Advertisement, Johnnie Walker etc.
- James Kang (Korean)
: Doctor of Quantum Physics, ESS Development Team Representative Director of HiEnergy Korea
- Jinhyung Lee (Korean)
: Wind power, ESS development team HiEnergy Korea Technology Director
- Jay Moh (American)
: CPA Present Nasdaq OTC Officer, Audit of K-OTC Business Association

2. Adviser

- Jay Moh Professional Consultant
(Education) – The U.S. Rutgers Graduate School Graduation (1983): Business Management

(Accounting) MBA, New Jersey, USA

(Career History – The U.S.) American Accountant: Victor and CPA Firm, New York City, NY, USA: US Corporate / Private Accounting / Tax Reporting & Consulting

The U.S. Project Consultant : Washington Consulting Group, Washington DC, USA:

Project marketing consulting such as telecommunication infrastructure / power plant construction business by franchise agreement with US government companies in Asia and underdeveloped countries

(Major U.S. Customers: GTE SpaceNet, Westinghouse Electric, Exxon Oil, etc.)

- Jaesam Oh (Technical Advisor)

Korea – Doctor Jaesam Oh (Korean): Major Career : KT Technical Advisor

- Tony Ahn (Marketing Advisor)

The U.S. - Cheil

PART VII. Partnership

1. Affiliated Companies and Organizations

- Laredo Resources Corp. Nasdaq, OTC PINK
- Reelcause Inc. Nasdaq OTC PINK
- HIENERGY USA
- Kazakhstan KK – KIUNSEN.INC Eco-friendly renewable energy company (solar, wind power plant operation)
- USA JWCC Foundation – Global Mission Organizations
- PENAM AMERICA World Taekwondo Association – Member States of 45 countries in South America and North America
- American Media Company LUX Media – Online advertising agency
- Korea + Ethiopia Economic Exchange Cooperation - Corporate Incorporation

2. Core Technology

1. Patent ESS-VRFB Eco-friendly Energy, Storage Technology

2. 10-1137523ho Wind Turbine

BACKGROUND OF THE INVENTION. Authentication medium, authentication terminal, authentication server, and authentication method. Field of the Invention, the present invention relates to a mutual authentication method between a user terminal and a server, and more particularly, to a mutual authentication method using a unique identifier information and a password.

PART VIII. Glossary of Terms

1. Virtual Currency: It is called a crypto currency and defines an electronic money based on a technique called a block chain.
2. Big Data: Technology that extracts value from a large amount of data beyond the capabilities of existing database management tools and analyzes the results
3. ICO: Block Chain - In the early stage of a virtual money-based project, a virtual money coin is issued for the purpose of fund raising and sold to investors to secure funds.
4. Base Currency: It is the standard currency that is used in international settlement and financial transactions.
5. POW(Proof-of-Work): It is a mining method that uses a power to purchase a mining machine
6. PoD(Proof-of-Discovery): It is an algorithm for sorting accounts that are influential through ranking algorithms and receiving tokens as compensation for block generation.
7. PoS(Proof of Stake): It is a mining method that is mined as a stake of a coin owned by a mining method called equity method
8. Smart Contract: Smart contract is a technology that can contract and modify contract easily and conveniently with P2P without intermediaries.
9. dApp: dApp stands for decentralized application. Unlike existing central servers, it means applications running on an underlying platform such as Ethereum or Quantum.
10. Ethereum: It is a distributed computing platform for implementing smart contract functions based on block chain technology.

11. Air Drop: It is the act of paying virtual money free of charge by dropping something in the air. Mainly to promote the new coin or securing the user to increase the trading volume.