



REC White Paper 1.0

Resource + Core Restoring the Essential Value of Discarded Resources
Environmental Sustainability meets Blockchain Technology.



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1. Introduction



1-1. Overview of REC Coin

The REC (Resource + Core) Token is a specialized cryptocurrency engineered to enhance corporate accountability and promote long-term sustainability across Environmental, Social, and Governance(ESG) frameworks—a critical global imperative. By leveraging advanced blockchain architecture, the REC ecosystem establishes a robust, transparent incentive mechanism that actively promotes and rewards carbon neutrality and resource recycling. The primary objective of REC is to address pressing environmental challenges by integrating eco-friendly practices into the token's mining, distribution, and trading protocols. In fulfilling its social responsibilities, the project aims to incentivize public participation, hereby cultivating broader awareness of, and active engagement in, environmental conservation efforts.

Resource Circulation

We are committed to advancing the transition toward a circular economy. This involves scaling initiatives designed to reduce the consumption of single-use products and promoting the systemic recycling of daily household and industrial waste.

Carbon Neutrality

We aim to accelerate the comprehensive shift toward a carbon-neutral society through coordinated efforts among central governments, local municipalities, and the private sector, aligning with global mandates such as those established by national 2050 Carbon Neutrality Committees.

1. Goals of REC Coin

1-2. Goals of REC Coin



1) Maximizing Resource Circulation Through Clear Motivation

When users return aluminum cans and transparent PET bottles generated in their daily lives to collection machines, they are immediately rewarded with 'Green Egg' points. This presents a new paradigm where environmental protection directly becomes a source of profit.

2) Securing Transparent ESG Data and Linking with Carbon Credits

By utilizing the immutable nature of blockchain, the amount of collected resources and carbon reduction data are accurately recorded. This will serve as a core foundation for future cooperation with local governments and corporations, as well as entry into the carbon credit market.

3) Establishing a Consumption-Collection Convergence Ecosystem Based on Real-World Assets (RWA)

REC goes beyond being a simple environmental coin and is strongly linked with real-world consumer goods, such as the 'CRYPTO-WATER' project.

4) Linking with Crypto-Water (Crypto-Water)

Through eco-friendly packaging products such as the limited-edition 'CRYPTO-WATER' the project promotes consumption and conducts cryptocurrency rewards and airdrop promotions.

2. REC Mechanism : CANIRIWA



2-1. Core Infrastructure: CANIRIWA

CANIRIWA' is an automated unmanned collection device specifically designed for aluminum cans. It collects inserted cans in real-time and provides immediate point rewards to users.

Real-time Data Integration:

The volume of collected resources and the resulting carbon reduction effects are instantly recorded on the blockchain.

2-2. R2E (Return to Earn) Reward System

When a user inserts aluminum cans into 'CANIRIWA', a reward corresponding to their value is immediately issued in Green Eggs. Green Eggs hold the value of digital currency that serves as a real-life asset, and can be used in various ways, such as virtual asset exchange, use at affiliated shopping malls, and the purchase of gift certificates.

2-3. Project Vision and Objectives

A blockchain-based environmental platform performing a central (Core) role in the global circular economy.

Through blockchain technology, the aluminum resource collection process is managed transparently, providing substantial rewards to users.

3. Business Model



3-1. Resource Virtuous Cycle Process

High-quality aluminum cans are secured nationwide through the 'CANIRIWA' network. The collected cans are transported to in-house processing facilities and reborn as aluminum ingots or recycled raw materials. Actual revenue is generated by supplying these recycled materials to various industries, such as automotive and can manufacturing.

3-2. Revenue Structure

Sale of Recycled Resources: Direct revenue through the sale of high-purity recycled aluminum.

Platform Operation: Advertising on 'CANIRIWA' devices and collaboration models with local governments.

Carbon Credits (CER): Generating revenue from carbon credits based on the amount of carbon emissions reduced through aluminum recycling.

3-3. Importance of Aluminum Recycling

Aluminum is a resource that can be recycled infinitely (100%). Compared to new aluminum production, recycling saves 95% of energy and drastically reduces carbon emissions. Operating 1,000 'CANIRIWA' units can suppress thousands of tons of \$CO_2\$ emissions annually, which is equivalent to the effect of planting hundreds of thousands of pine trees.

4. Revenue Model & ESG Market

4-1. Diversified Platform Revenue Model



Beyond simple coin issuance, the REC ecosystem possesses a robust revenue structure based on the real economy.

Revenue from the Sale of Circular Resources

High-purity aluminum and PET bottles collected through 'CANIRIWA' and 'PETRI-WA' are processed into high-value-added recycled raw materials (Flake, Sheet, etc.) and sold to recycling companies and manufacturers.

Carbon Credit (CER) Revenue

Data is compiled from carbon emissions reduced through user participation in resource collection (R2E). By selling this data in the global carbon credit trading market, the project generates significant additional revenue.



On/Offline Advertising Revenue

By utilizing the external displays of unmanned collection machines installed at key locations nationwide, the platform broadcasts commercial advertisements and public interest advertisements from local governments, securing stable platform operating expenses.

4. Revenue Model & ESG Market

4-2. Explosive Market Growth and Success Stories



Strengthening Global Recycling Regulations

Due to global environmental regulations, such as those from the EU, the mandatory usage rates for recycled plastic and aluminum are increasing. Consequently, the related market is projected to grow rapidly to a scale of approximately 86 trillion KRW by 2026.

Rising Value of Carbon Credits

As ESG management becomes an essential requirement for global corporations, the demand and price for carbon credits are continuously rising, thereby increasing the holding value of REC.

Proven Business Model

Domestic and international AI-based resource collection robot companies (e.g., SuperBin) have already successfully attracted large-scale investments worth tens of billions of KRW. This demonstrates the high potential and feasibility of REC's collection infrastructure.

REC Coin is more than a simple medium of exchange; it is the essential lifeblood that drives the global resource circulation ecosystem. It is designed to protect its value through a meticulously calculated token economy and to ensure that fair rewards are distributed to all participants in the ecosystem.



5. Coin Liquidity Management

5-1. Ecosystem Circulation Based on R2E (Return to Earn)

The REC platform adopts an R2E model where environmental protection activities lead to economic rewards. When users return waste resources to the collection machines, the platform converts them into value and issues REC coins; this serves as the core driving force that encourages voluntary and sustainable participation from users.

5-2. Coin Burn and Scarcity Maintenance Mechanism

To protect the market value of REC coins and manage liquidity healthily, the project employs a 'deflationary model' where coins used within the platform are continuously burned.

Real-world Payments and B2B Ecosystem Consumption

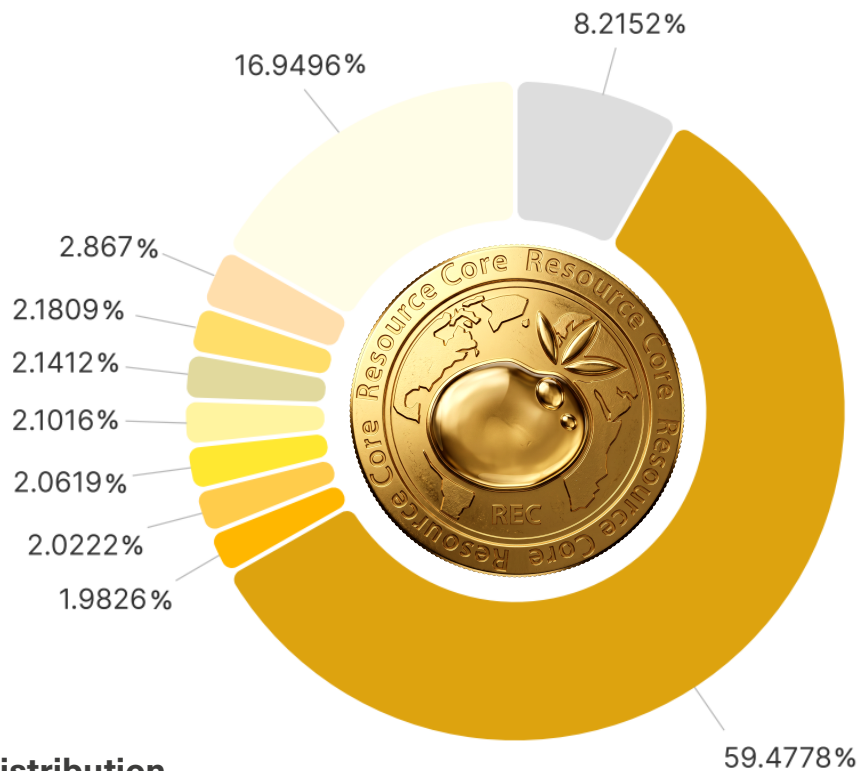
When users use REC coins as a means of payment at affiliated offline stores (such as Crypto Water promotions, etc.), the recovered coins are burned.

Digital Ecosystem Expansion (NFT/RWA)

Fees or coin usage generated within the REC ecosystem—including metaverses, events, and NFT issuance and trading platforms—are also subject to continuous burning.

6. REC Coin Information & Distribution Strategy

6-1. REC Coin Information



6.2. Strategic Token Distribution

The total supply of REC coins is strategically distributed in the following proportions to ensure the long-term growth and liquidity stability of the ecosystem.

Resource Circulation Mining Rewards

[Ratio Setting, e.g., 40-50%]

This is the most critical pillar of the ecosystem. It is a reward pool distributed to users who take substantive environmental protection actions through 'CANIRIWA' and 'PETRIWA' collection machines.

Market circulation is driven strictly by users' 'Resource Return' actions, thereby leading a healthy expansion of the ecosystem.

6. REC Coin Information & Distribution Strategy

Ecosystem Expansion and B2B Partnerships

[Ratio Setting, e.g., 20%]

Allocated for cooperation with global corporations, local governments, and recycled raw material partners aiming to achieve carbon neutrality. These funds are used for carbon credit business expansion and platform infrastructure integration utilizing environmental data on the blockchain.

Marketing and Real-world Promotions

[Ratio Setting, e.g., 10%]

Utilized as a budget to explosively drive public participation through airdrops for limited-edition projects linked to real goods (such as 'CRYPTO-WATER'), new user acquisition events, and global ESG campaigns.

Foundation Operations and Technology Development

[Ratio Setting, e.g., 15%]

Technological funds for the software advancement of 'CANIRIWA' (the REC ecosystem's aluminum separation and collection machine), blockchain mainnet maintenance, dedicated DApp development, and global platform operations.

Reserve and Liquidity Provision

[Ratio Setting, e.g., 5%]

A reserve supply intended to provide liquidity during listing on global cryptocurrency exchanges and to stably defend the value of REC coins in response to rapid market volatility.

7. Legal Disclaimer

REC IS NOT A SECURITY AND DOES NOT REPRESENT OWNERSHIP.

Therefore, the contents of this white paper are not to be utilized for financial promotion purposes. Based on the provisions stated in this white paper, REC shall be operated in accordance with the established plan; however, please note that development changes may be implemented based on objective and reasonable decision-making.

In order to participate in the REC business, you must review, fully understand, and agree to the following details:

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Risk Acknowledgment: We acknowledge that there are inherent risks associated with cryptocurrency, such as significant price volatility and the unique risks of the cryptocurrency market, which may include financial losses.

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Communications and Security: We acknowledge that emails may be sent from REC on occasion. These e-mail notifications will never require your confidential information. Please be advised of the possibility of fraud, phishing attempts, and malicious intent in this regard. Do not respond to unofficial inquiries.

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