

Composite RWA Token Whitepaper ver. 1.5

RETOK-HK Ltd.





About RETOK

RETOK digitizes the value of resources with composite real-world asset (RWA) tokenization.

Background

The modern economy seeks to balance efficient use of physical assets with environmental sustainability. Recycling plastic waste, efficiently utilizing construction resources, and reducing carbon emissions are core elements of these challenges. Blockchain technology provides an innovative method to digitize the value of these assets, track them transparently, and trade them efficiently.







Vision & Mission

Vision

: To digitize the value of environmental and industrial resources to build a sustainable circular economy.

Mission

: To utilize blockchain technology to tokenize the value of recycled plastic oil, quarry resources, and carbon credits; guarantee asset transparency and reliability through NFT-based digital certificates; and build an ecosystem where these can be efficiently traded.



Market Analysis

RETOK targets three key markets

Recycling

Plastic Recycling Market,

The global plastic recycling market is approximately \$120 billion as of 2024, growing at an average annual rate of 8.3%. Recycled oil production, in particular, is receiving attention as a high-value-added sector.

Construction

Quarry and Construction Materials Market,

The global quarry market is valued at approximately \$150 billion and is growing at an average annual rate of 5.7% due to urbanization and infrastructure development.

Environment

Carbon Credit Market,

The global carbon credit market is approximately \$250 billion as of 2024, showing an average annual growth rate of over 10% due to strengthened climate change response policies.

Market Challenges

RETOK's three core markets have the following challenges in common The tokenization of realworld assets, scaled and backed by RWA, can address these challenges.

Lack of Transparency and Traceability

Limited reliable information about asset origins, quality, environmental impact, etc.

Market Efficiency

High dependence on intermediaries, complex transaction processes, and limited liquidity.

Fractional Ownership and Investment Accessibility

Limited access for general investors due to large capital requirements.

Valuation and Compliance

Assets are difficult to value in a standardized way, and compliance and reporting requirements in various jurisdictions are complex.

Market Opportunities

RETOK leverages the following key opportunities.







Elements of a Reclaimed Oil Production Facility Analysis

Analyze value points and data points

■ Summary

The value of a renewable oil production facility is primarily determined by its production capacity and quality, with environmental value and manufacturer supply contracts being the value factors. Efficient waste management and process monitoring are key to successful operations.

💎 Value Elements Value factor relative importance **Production capacity** Production capacity of a reclaimed oil production facility **Annual production** Estimated annual production **Quality Rating** Quality grade of the recycled 90% oil produced **Environmental value** Environmental value from reduced waste Supply contracts The value of manufacturer supply agreements Key success factors

Secure high-quality raw materials → Manage processes efficiently →

Ensure product quality → Gain market competitiveness





Analyze the value of your stone mining business

Analyze value points and data points

III Summary

The value of a stone mining business is determined by reserves, mining capacity, stone quality, location accessibility, and legal permits. Accurate geological data, production efficiency, and quality control are key factors for successful operations.

Annual mining volume

12,500T

Average profit margin

32.8%

▼ Value Elements

Proven stone reserves

 The foundation of long-term business continuity

Annual mining capacity

Determine production scale and operational efficiency

Stone quality and value by type

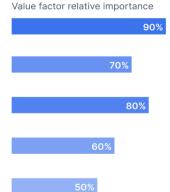
 Market pricing and coverage determinants

Location and logistics accessibility

Transportation costs and market access efficiency

Permissions and license value

Ensure legal footing and business continuity



Analyze market influencers

High-quality stone reserves and efficient operational systems are key determinants of market competitiveness, while accessibility and logistical efficiency have a direct impact on the cost structure.

Data Points

Geological survey and reserve evaluation data

The foundation for business lifetime estimation and planning

Mining production and efficiency metrics

Operational optimization and cost control criteria

Stone quality test results

Determinants of marketability and competitiveness

Monitoring environment

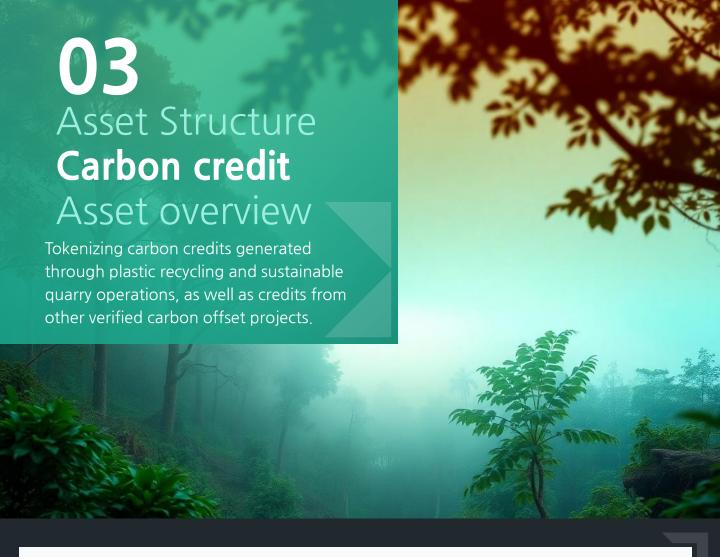
Sustainability management

Revenue

Financial performance

Compare competitors





Analyze the value of carbon credits

Analyze value points and data points

Summary

The value of carbon credits is determined by the amount of verified reductions, certification standards, project type, regulatory environment, and expiration period. For market performance and investment valuation, verified reductions, certification information, environmental impact, and transaction history data are kev.

Verified reductions 25,800 tCO₂e Average price €38.5/tCO2e

Value Elements

- Verified emissions reductions
- Basic units for calculating material environmental impact and value

Certification standards for credits

Determine reliability and marketability, including Gold Standard, VCS, and more

Project types and sustainability impacts

- Influence market preferences such as renewable energy, forest conservation, etc.
- Regional regulatory environments
 - Regulatory market connectivity and legal recognition
- **Expiration period**
- Validity and time value of credits

Market impact analysis

The value of carbon credits is directly influenced by international climate policy and a company's commitment to carbon neutrality. High certification standards and verifiable environmental impact are key factors that drive premium prices.

Data Points

GHG reduction verification data

Measurement, reporting, and verification (MRV) process data

Third-party credentials

Certification authority and validation methodology data

Reduction performance against baseline

Data to support additionality

Environmental /social impact

Co-benefit data

Trade history/ price

Market liquidity

A Risk assessment

Policy changes Market liquidity Verification

Price volatility Double counting Expiration period



Technical Architecture

RETOK Blockchain Platform

RETOK Chain will be built on a blockchain network that meets the following requirements.



Composite RWA Token

- 1. Scalability: Ability to process large volumes of transactions
- 2. Energy Efficiency: Low environmental footprint
- 3. Smart Contract Functionality: Ability to implement complex business logic
- 4. Interoperability: Potential to connect with other blockchain networks
- 5. Security and Verification Mechanisms: Strong security model



Composite RWA Token

RETOK TOKENOMICS

RETOK is a digital asset in the BEP20 standard that tokenizes RWA, Real World Asset. Implemented on the BNB blockchain, it tokenizes the value of plastic waste recycled oil, mineral resources, and carbon credits, ensures the transparency and reliability of assets through NFT-based digital guarantees, and builds an ecosystem for efficient trading.



Token Basic Specifications

* Name: RETOK (Real Estate Token)

Contract: BEP20 (BSC)

❖ Total issuance : 30 billion

❖ Decimal units: 18

 $(1 \text{ RETOK} = 10^{18} \text{ Wei})$

Binance Smart Chain(BSC)

BNB Smart Chain is a blockchain developed by Binance that provides smart contract functionality compatible with the Ethereum Virtual Machine (EVM). It features very low transaction fees and fast block generation time (around 3 seconds).

BEP20 Token standards

BEP20 is the token standard for the BNB smart chain, and is compatible with Ethereum's ERC20. The standard provides the following features

- Sending and receiving tokens
- Ability to authorize token exchanges between users
- Ability to view total supply, balance
- Standardization of token metadata (name, symbol, decimal point)





RETOK Composite RWA Token

BNB

RETOK is a digital asset of the BEP20 standard that tokenizes real-world assets (RWA) on the BNB blockchain.

3 BSC Benefits of utilizing blockchain

- Low transaction fees: transactions cost about 1/20 to 1/100 of the gas cost of Ethereum
- Fast transaction confirmation: Fast transaction processing with approximately 3-second block generation time
- Ethereum compatibility: EVM compatible to utilize tools and services from the Ethereum ecosystem
- High TPS (transactions per second): Up to 160+ TPS ensures scalability
- Decentralized governance: network security through BNB Chain's validator system







- Split ownership: Invest in expensive real-world assets in smaller increments
- Increased liquidity: Eliminate liquidity constraints with digital assets that can be traded 24/7
- Borderless investing: Invest globally without geographical restrictions
- Transparency: Transparent view of ownership and transaction history recorded on the blockchain
- Automated revenue distribution: Automated distribution of rents and profits via smart contracts

BEP-721 Assurance Utilization

Leverage the BEP-721 standard for unique proof of ownership of real estate assets:

- ✓ Unique identification: issuance of an original digital warranty for each property
- ✓ Proof of ownership: legal proof of ownership recorded on the blockchain
- ✓ Non-transferable attributes: properties can be granted transfer restrictions by default
- ✓ Metadata: Includes legal information, location, appraised value, etc. of RWA properties
- ✓ Digital document linking: links to legal documents stored in IPFS





Hybrid token structure

BEP-20 RWASecuritization of value

Retain the right to share profits across your portfolio

The 30 billion RETOK tokens represent a fractionalized representation of the value of the entire RWA portfolio and provide liquidity as freely tradable fungible tokens.



NFT Digital Assurance

BEP-721: Original RWA Assurance

- Act as the original deed for each RWA asset
- Represent legal rights and provide traceability
- Preserve asset unique attributes and history



Real resources based on Digital Assurance

Re2B: Resource B2B Marketplace

- Sub-unit transactions in large RWA projects
- Transact multiple rights within a single RWA
- Support for efficient multi-asset management
- Online marketplace based on digital warrants

NFT Digital Assurance structure details



Smart Contract Implementation Details

```
G
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
import "@openzeppelin/contracts/token/BEP721/extensions/BEP721URIStorage.sol";
import "@openzeppelin/contracts/access/Ownable.sol";
contract SingleNFT is BEP721URIStorage, Ownable {
   bool public isMinted = false;
    constructor(string memory name, string memory symbol)
       BEP721(name, symbol) {}
    function mintNFT(address recipient, string memory tokenURI)
        public onlyOwner returns (uint256) {
        require(!isMinted, "NFT already minted");
        uint256 newItemId = 1;
        mint(recipient, newItemId);
        _setTokenURI(newItemId, tokenURI);
        isMinted = true;
       return newItemId;
   }
}
```





RETOK Composite RWA Token

BSC Blockchain

Leverage the benefits of smart chain

Technical benefits

- Low Fees: Optimize Gas Costs with BEP-1155 Batch Processing
- Scalability: High TPS (160+) on the BNB blockchain to process large asset transactions
- BNB utilization: fee discounts and ecosystem participation incentives
- Cross-chain compatibility: Utilize the cross-chain capabilities of the BNB chain

Ecosystem integration

- BSC DeFi integration: RWA collateralized lending and participation in liquidity pools
- Utilize BSC DEX: Provide RETOK liquidity to major DEXs such as PancakeSwap
- NFT Marketplaces: Leverage existing NFT markets such as OpenSea, Binance NFTs, etc.
- Oracle Services: Integrate with Chainlink, Band Protocol, etc. to reflect off-chain asset values





RETOK Composite RWA Token

Token economy mechanisms

BEP Separate features by standard

- BEP-20 RETOK: Reflects RWA portfolio value, profit sharing rights, and governance participation
- BEP-721 Deed: Legal proof of ownership, track transfer history, store valuation data
- BEP-721 Units: Detailed asset management, link lease agreements, track revenue streams by unit

Hybrid reward system

- RETOK token holders: Proportional share of total portfolio revenue
- BEP-721 NFT holders: corresponding RWA special privileges and additional rewards
- BEP-721 Unit owners: Direct receipt of certain unit rental revenues

Technical implementation & smart contract structure

- RETOK Main Token Contract (BEP-20)
- RWA Original Certificate Agreement (BEP-721)
- RWA Unit Management Agreement
- Revenue Sharing Agreement
- Governance Agreement
- Oracle Integration Agreement

Security and auditing

- Third-party auditing and validation of smart contract code
- Funds protection with multisig wallets
- Risk management with time-locks and transaction limits
- Real-time monitoring and emergency response system





RETOK is a Real-World Asset (RWA)-based cryptocurrency, utilized as a payment currency on "Re2B", a B2B marketplace for recycled resources. The RWA cryptocurrency market is expected to reach \$37 billion by 2025, growing over 67% year-over-year, and RETOK is particularly well positioned in the recycled resources and carbon credits space.

RETOK Ecosystem 🕥

It is utilized as a payment and settlement currency on the Resource B2B marketplace "Re2B". The name "Re2B" is a combination of the "Re" in "Resource" and the "Recycling" in "Business to Business" and refers to a specialized marketplace for trading resources between companies.



RETOK & Re2B Ecosystem Structure

Specialized trading resources:

Trading in specialized resources, including renewable oil produced from recycled plastic.

Carbon credit integration:

Integrate a carbon emissions trading system to build a sustainable business model.

Blockchain transparency:

All transactions & resource information are recorded on the blockchain for transparency.

RETOK-based payments:

Efficient and secure payment system with a dedicated cryptocurrency.

Seller

RETOK

RWA Token

Payment systems

Re2B

B2B Marketplace

NFT Assurance Trading Re sources

Renewable oil, c arbon credits, an d commodities

Buyer

Re2B Marketplace Resources to trade



Reclaimed oil

Pyrolysis Oil

Pyrolysis oil is an environmentally friendly alternative to petroleum fuels and can be used in a variety of applications, including heating, thermal power generation, and more.



Carbon credits Carbon Emission

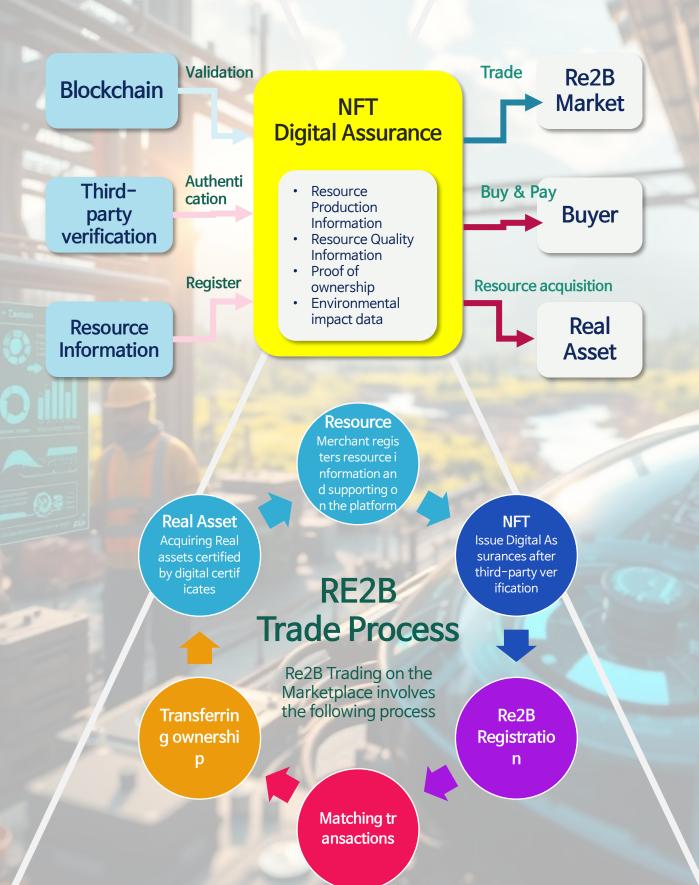
If a company wants to emit more carbon than its allotted allowances, it must buy credits from other companies, and any surplus can be sold on an exchange.



Commodities Resource

Diverse demand markets including construction projects, building materials, residential and non-residential, public sector, infrastructure, and more at the global, regional, national, local, and project levels.

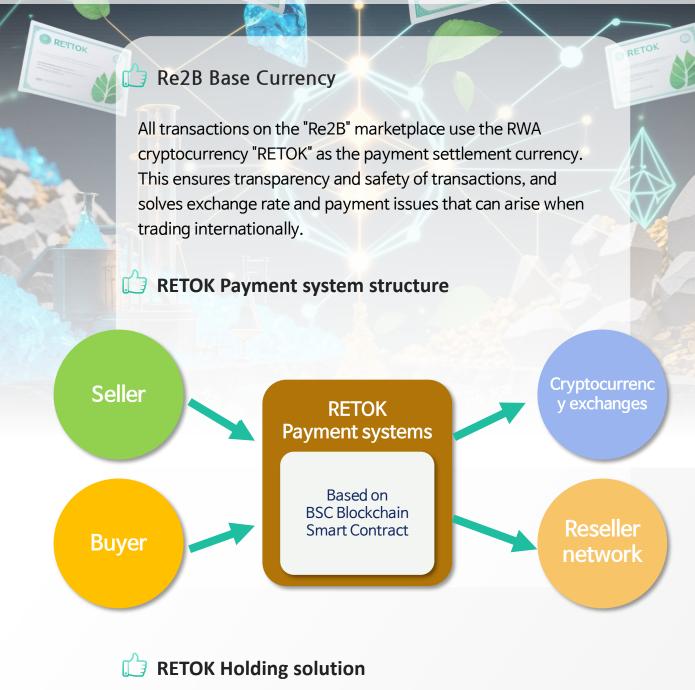
A key feature of the Re2B marketplace is its Digital Assurance system, which utilizes NFT technology.





@ RETOK

METOK







RETOK Price stabilization mechanisms

RETOKs have a value stabilization mechanism based on real-world assets (RWA):

- 1 Asset Collateralization Ratio Maintenance: maintaining the ratio of real assets collateralization to RETOKs in circulation
- 2 Liquidity pool management: price stabilization through liquidity pool adjustment based on market conditions
- 3 Staking incentives: stabilize the market by rewarding long-term holders for staking
- 4 Reseller network: regulate circulation through a network of authorized resellers
- *** Translated with www.DeepL.com/Translator (free version) ***

RETOK position in RWA

In 2025, the RWA market is booming, and RETOK is uniquely positioned as a token that specializes in recycled resources and carbon credits.

The RETOK differentiator:

- The only RWA token dedicated to renewable oil and recycled resources
- Transparent tracking of physical assets utilizing blockchain NFT technology
- Create environmental value linked to carbon credits
- Scalable B2B marketplace-based ecosystem

Volume management strategies

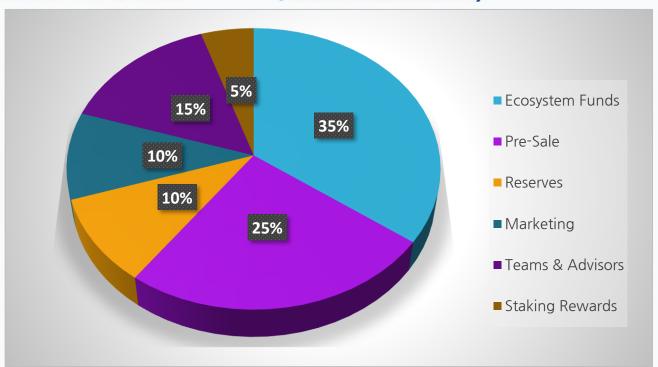
RETOK effectively manages its token circulation through the following strategies

- 1. Phased unlocking: Prevent market shocks with phased unlocking of team and advisor volumes
- 2. Staking program: Control distribution volume with staking tied to reseller partnerships
- 3. Buybacks and burns: Periodic token buyback and burn utilizing a portion of marketplace fees
- 4. Ecosystem expansion: Increase and stabilize token value through continued usage expansion

Token distribution & Publishing strategy

BEP-20 RETOK

(Token Distribution)



Ⅱ 요약 (Executive Summary)

RETOK's token distribution structure is designed for long-term ecosystem development and stability:

Distribute to	Ratio	Purpose
Ecosystem Funds	35%	Developing and operating a Re2B marketplace
Pre-Sale	25%	Securing initial funding and providing liquidity
Teams & advisors	15%	Dev and Ops team incentives (2-year lockup)
Marketing	10%	Ecosystem expansion and marketing efforts
Reserves	10%	Stabilize markets and fund future development
Staking Rewards	5%	Long-term holder incentives



Foundation RETOK-HK Ltd.

The Foundation Entity is a legal entity incorporated in Hong Kong as a foundation to oversee protocol development and governance, and an operating company incorporated in key jurisdictions to develop and operate the platform. In addition, special purpose entities incorporated for each real asset will comprise the partner group and governance, and will be responsible for the trust structure to hold legal ownership of the assets and the legal trust to protect the rights of token holders.



Room 1506, 15/F, Golden Gate Commercial Bldg, 136-138 Austin Road, Tsim Sha Tsui, Kowloon, Hong Kong





Composite RWA RETOK



- Collateral
- Operational Risk Insurance
- Smart contract insurance
- Reserves for token holder protection





Governance

DAO Structure

RETOK will gradually transition to decentralized autonomous organization (DAO) governance.

Early stage (1-2 years)

- Foundation-led governance
- Forums for community input
- Limited voting privileges

Transition phase (2-3 years)

- Hybrid Governance Model
- Token holder voting on key decisions
- Foundation retains limited veto power

Mature (after 3 years)

- Full DAO Governance
- Organize sub-DAOs by asset
- Multiple signaling and voting mechanisms

Governance scope

The DAO has decision-making authority in the following key areas

- Protocol upgrades: technical changes and feature additions
- Asset onboarding: approving new assets for tokenization
- Parameter adjustments: fees, distribution rates, voting thresholds, etc.
- Financial management: allocation and use of foundation funds
- Strategic direction: ecosystem development direction and partnerships

Decision-making process

- Proposal rights based on minimum EAT holdings
- Standardized proposal templates
- Open discussion period
- 1 EAT = 1 Vote Guiding Principles
- Weighting system for voting by asset
- Quadratic voting option (for complex decisions)
- Automated proposal execution (for technical changes)
- Execution of financial decisions via multi-signature wallets
- Off-chain process for legal changes



Development Roadmap



RETOK Pre-Sale

✓ Re2B Marketplace Beta Launch
✓ Early user testing

✓ Attracting early investors with a pre-sale

Q2-Q4 2025

Q1-Q2 2026

Global Exchange Listings

- ✓ Pursue listing on major global exchanges
- ✓ Launch of Re2B marketplace

Expanding partnerships

- ✓ Diversify your trading resources
- ✓ Partnering with global recycling companies
 - ✓ Partnering with resource providers

Q3-Q4 2026

Q1-Q2 2027

Trading carbon credits

- ✓ Linking to the Global Carbon Credit Market
- ✓ International certification
- ✓ Advancing the carbon credit trading system



Development Roadmap



Corporate ESG integration

- ✓ Integrate solutions to support corporate ESG strategy
- ✓ Modernize your corporate ESG platform ✓ Launch of Re2B 2.0

Q3-Q4 2027

After 2028

Drive industry standardization

- ✓ Expanding global markets
- ✓ Establish industry standardization of recycled resource trading



RETOK Revenue models



Platform fees

- Asset token initial issuance fee: 2% of the issuance amount
- Transaction fee: 0.3% of the transaction amount (discounted for EAT staking)
- NFT issuance and trading fees: Fixed fee for issuance, 2.5% for trading



Service fees

- Asset Valuation and Onboarding Services
- Data analytics and API access
- Customized portfolio management tools
- Legal compliance and reporting services



Asset management fees

- Assets under management (AUM) based fee: 0.5-1% per year
- Performance-based fee: 10% of excess of target return
- Asset management and optimization services

Join with Our RETOK Composite RWA Token



Conclusion

RETOK is an innovative project that tokenizes three core real assets - plastic waste recycled oil, mineral resources, and carbon credits - by connecting them with blockchain technology, and ensures the transparency and authenticity of the assets through NFT digital certificates.

It leverages the transparency, immutability, and efficiency of blockchain technology to solve fundamental challenges in the real asset market and create new investment opportunities. RETOK is more than just a tokenization platform, it provides innovative financial infrastructure and environmental solutions for a sustainable future. In doing so, we aim to build an ecosystem that creates value for investors, industry participants, and the global environment.

The RETOK cryptocurrency and Re2B marketplace are expected to create innovative value at the intersection of the rapidly growing RWA market and the renewable resources market. By securing transparency in resource transactions through blockchain technology and converting environmental value into economic value, this ecosystem will contribute to building a sustainable future.

In particular, as a specialized platform for trading plastic waste recycled oil and carbon credits, it presents a new paradigm for solving environmental problems and creating economic value at the same time. RETOK will be more than just a cryptocurrency, but an innovative solution for solving global environmental problems.





Disclaimer

This white paper is for informational purposes only and should not be construed as an investment solicitation or legal advice. The tokens associated with the RETOK project may involve significant risks, and investors should consider their own financial situation and risk tolerance before making a decision. Depending on the regulatory environment, market conditions, and technological advancements, actual implementation may differ from what is described in this document. We recommend that you seek appropriate professional advice before making any investment decisions.

'RETOK' is defined as: (a) has no tangible or physical manifestation and has no intrinsic value (no representation or promise is made by anyone as to its value);

- (b) are non-refundable and cannot be exchanged for cash (or other virtual currency equivalent) or payment obligations of the Company, the Distributor or their respective affiliates; and
- (c) the token holder does not represent or confer any form of right to the Company, the Distributor (or their respective affiliates) or any of their revenues or assets, including the right to receive future dividends, profits, shares, ownership or equity, equity or security, voting rights, distributions, or redemption, acquisition, liquidation, ownership (including any form of intellectual property or license rights), accounts, financial statements or other financial data, the right to request or participate in shareholder meetings, the right to nominate directors, or any other financial or legal rights or equivalent rights or intellectual property rights in the Meta Soccer Ecosystem, the Company, the Distributor and/or its service providers, or any other form of participation;
- (d) is not intended or pretended to be for the purpose of securing a profit or preventing a loss, or to represent any rights under a contract for difference or any other contract; and
- (e) is not intended to be a representation of money (including electronic money), securities, commodities, bonds, debt instruments, units in a collective investment scheme or any other kind of financial instrument or investment; and
- (f) is not a loan to the Company, the Distributor or their respective affiliates, is not intended to represent any indebtedness owed by the Company, the Distributor or their respective affiliates, and there is no expectation of profit;
- and (g) the contributions in the Token Sale will be held by the Distributor (or their respective affiliates) after the Token Sale, and the Contributors will have no economic or legal right or beneficial interest in such contributions or in the assets of such entity after the Token Sale.

To the extent a secondary market or exchange for trading RETOK develops, it will operate and be operated completely independently of the Company, the Distributor, the sale of RETOK and the RETOK ecosystem. Neither the Company nor the Distributor will create such a secondary market, and neither entity will act as an exchange for RETOK.

Find Our Company RETOK Ltd.



