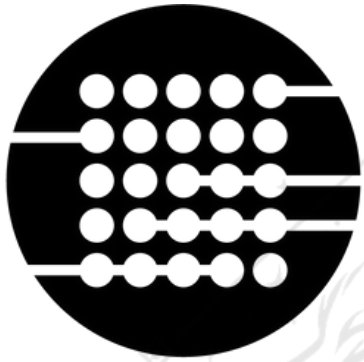
WHITEPAPER



RIZE TOKEN

RIZENET TOKEN

By CARBONZERO FC

POWERING THE NEXT GENERATION OF MARKETS

UPDATED RELEASE - APRIL 24, 2025

Core Contributor to the Rizenet Ecosystem:

T-RIZE GROUP
Digital & Tokenized Assets

Archived copy · cryp2nova.com

Table of Contents

1 **Background and Introduction** 6

1.1 About T-RIZE Group 6

1.1.1 Purpose, Vision & Mission 6

1.2 Challenges and Opportunities in Financial Markets 7

1.3 T-RIZE Commitment to Tokenization Technology 9

2 **T-RIZE Technology and Solutions** 10

2.1 T-RIZE Tokenization Platform 10

2.1.1 Tokenization Process : A Four-Step Approach 11

2.1.2 Distribution Strategies 12

2.1.3 Compliance 12

2.1.4 Tokenization Building Blocks 13

2.1.5 Additional Platform Features 14

2.1.6 Security Measures 15

2.1.7 Integrations & Collaborations 16

2.1.8 Verification and Authenticity Mechanisms 17

2.2 Rizenet Blockchain 18

2.3 Decentralized Machine learning 22

2.3.1 Data Challenges 22

2.3.2 Collaborative Privacy Preserving Machine Learning 22

2.3.3 Advantages 22

2.3.4 Contribution Calculation and Monetization 23

2.3.5 Lower Requirements 23

2.3.6 Verifiable Inference for Smart Contracts 23

3 **Collaborations and Community** 25

3.1 T-RIZE Labs - Industrial Research Chair with ÉTS University 25

3.2 Technology Partners 25

3.3 Community initiatives 26

3.4 Collaborations and Strategic Partnerships 27

CRYP2NOVA

Archived copy · cryp2nova.com

Table of Contents

4 **Rizenet Utility Token** 33

4.1 Introduction to Rizenet Token 33

4.2 Token Use Within the Ecosystem 33

4.2.1 Tokenization Platform Interactions 33

4.2.2 Blockchain Operations 34

4.2.3 T-RIZE Labs - Ecosystem R&D 35

4.3 CarbonZero Foundation Company 35

4.4 Governance Mechanisms 36

4.4.1 Overview of Governance 36

4.4.2 Governance Use Cases and Limits 36

4.4.3 Examples of Governance 37

4.4.4 Token Dynamics and Governance Treasury management 35

4.4.5 Maturity-Adjusted Voting Weights 38

4.4.6 Participating in Governance 39

4.4.7 Off-Chain Governance Process and Security 40

4.4.8 The MS Committee 41

4.5 Token Issuance 42

5 **Development Roadmap** 45

6 **T-RIZE Group Team** 49

7 **Notice and Disclaimer** 53

CRYP2NOVA

Archived copy · cryp2nova.com

Rizenet Token Tokenomics

RIZE TOKEN

Allocation and vesting schedule

Public Sale Price : $0.02

Allocations		Tokens	Cliff (in months)	Vesting (in months)
Category 1 - Seed	5%	250,000,000	6	12
Category 2 - Partnerships & Growth	7%	350,000,000	6	12
Marketing & Incubation	3%	150,000,000	3	9
Private Sale	7%	350,000,000	-	-
Strategic Reserve	10%	500,000,000	0	12
Liquidity	10%	500,000,000	-	-
Airdrop	4%	200,000,000	1	6
Governance	30%	1,500,000,000	12	36
Treasury	10%	500,000,000	-	-
T-RIZE Team	14%	700,000,000	24	24
TOTAL	**100%**	**5,000,000,000**		

Note : TGE is targeted for 2025. The cliff and vesting for *Partnerships & Growth* and *Strategic Reserve* are minimum terms and may vary based on partnership agreements.

Token details

Token Official Name	Rizenet Token	**Token Type**	Utility, Governance Token
Token Ticker	RIZE	**Category**	RWA Tokenization
Token Standard	ERC-20	**Blockchain**	Initial released on: BASE
Total Supply	5,000,000,000	**Foundation**	CarbonZero Foundation Company
Governance Supply	1,500,000,000	**TGE Manager**	CarbonZero Corporation
Initial Circulating Market Cap	$27M	**Governance**	💎 Diamond Hands Voting Power: Up to 3X over 36 months.
Fully Diluted Value (FDV)	$100M	**Smart Contract Audit**	Audited by Hashlock. View Audit Report

CARBONZERO FC @ 2025 All Rights Reserved

Archived copy · cryp2nova.com

T-RIZE Group

T-RIZE Group is pioneering the consolidation of traditional and decentralized finance to solve challenges of liquidity, data accessibility, and cost efficiency on a scale never seen before. Our tokenization platform transforms traditionally illiquid assets into investable opportunities, while consolidating fragmented and sensitive datasets into actionable insights—securely and transparently. By leveraging decentralized, neutral, and verifiable technology, T-RIZE ensures that financial infrastructure remains open, auditable, and resistant to centralized control.

Our privacy-preserving machine learning models complement the tokenization process by providing institutional investors with real-time, data-driven intelligence. These models aggregate vast, disparate data sources while maintaining strict privacy guarantees, turning fragmented information into clear, actionable insights. Smart contracts automate complex financial workflows, eliminating inefficiencies while ensuring that decision-makers have access to the most relevant and timely data in a verifiable and tamper-proof manner.

The synergy between T-RIZE's tokenization platform and machine learning solutions creates a unified, intelligent ecosystem built on decentralized trust. Liquidity is consolidated, and fragmented datasets are synthesized into a transparent framework that empowers investors and asset owners alike. This not only drives operational efficiency but also ensures that financial markets operate with greater neutrality, resilience, and accessibility. With over $2B in real-world assets already tokenized, T-RIZE is redefining the future of finance—bringing institutional-grade solutions to a decentralized, transparent, and trustless financial ecosystem.

Rizenet combines decentralized finance (DeFi) and decentralized AI (DeAI) to enhance the scalability and functionality of tokenized assets. Smart contracts automate financial workflows, reducing inefficiencies, while privacy-preserving machine learning analyzes institutional-grade data to provide deeper, real-time insights for decision-making. This synergy improves operational efficiency and facilitates the efficient tokenization of high-value assets, empowering stakeholders across the ecosystem.

At the core of this ecosystem is the RIZE token, Rizenet's native utility token. It facilitates decentralized governance, powers payments for DeAI services, and provides access to premium platform features. By aligning incentives and ensuring accountability through transparent onchain mechanisms, the RIZE token encourages active participation, supports long-term value creation, and drives sustained engagement within the ecosystem.

T-RIZE Group Contribution

T-RIZE Tokenization Platform

- **Leading Tokenization Efforts:** With over $2B in institutional RWAs in its pipeline, T-RIZE is establishing itself as a leader in tokenizing high-value assets, offering compliant solutions to unlock liquidity.
- **Revenue-Driven Growth:** The platform's comprehensive tokenization and distribution framework ensures sustainable revenue streams, fueling ongoing ecosystem development.
- **Exclusive User Benefits:** $RIZE token holders gain privileged access to pre-vetted investment opportunities and exclusive membership perks, such as early participation in high-yield projects and tiered platform benefits, enhancing engagement and driving adoption.

Expanding Liquidity

- **Accessing U.S. Markets:** Strategic partnerships with SEC-registered broker-dealers enable compliant RWA offerings globally, including in the U.S., the most liquid market in the world.
- **Broadening Market Participation:** Upcoming initiatives, such as a lending protocol for tokenized assets and integrations with decentralized (DEXs) and centralized exchanges (CEXs), will expand liquidity and create new investment opportunities for stakeholders worldwide.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Technical Expertise

- **Core Development Role:** As a core developer of Rizenet, T-RIZE focuses on building and optimizing blockchain infrastructure to securely onboard real-world assets, enhance network scalability, and deliver faster, more reliable transactions. These improvements strengthen the foundation for tokenized markets.
- **Innovation Hub**: Backed by Canada's top academic institutions, T-RIZE Labs focuses on advancing tokenization and Decentralized Machine Learning (DML) to ensure T-RIZE stays at the forefront of tokenization.
- **Developer Support:** Rizenet's robust API suite simplifies adoption and enables developers and institutions to build and scale efficiently within the ecosystem.

Institutional Networks

- **Bridging Finance:** T-RIZE connects institutional networks to Rizenet and leading public and private blockchains, enabling asset interoperability and unlocking new distribution channels for tokenized assets.

Token Utility Summary

The $RIZE token is integral to the ecosystem, capturing value for stakeholders while aligning their interests as the network expands. It serves as a coordination mechanism, ensuring all participants share a unified vision and a clear path to success.

Use Cases:

- **Transaction Fees:** Use RIZE tokens to pay transaction fees across the ecosystem.
- **Premium Features:** Unlock access to advanced tools and exclusive features on the tokenization platform.
- **Priority allocations:** Secure early access to tokenized investment opportunities in high-value assets.
- **Tokenization Fees:** Asset owners utilize RIZE tokens to access tokenization services, converting traditionally illiquid assets into investable opportunities.
- **Governance:** Bond your tokens to vote on how governance treasury funds are allocated.
- **AI Access:** Spend RIZE tokens tokens to access advanced AI models collaboratively developed through decentralized machine learning, delivering actionable insights and optimizing processes.
- **Interoperability Bridge:** Facilitate payments and the transfer of assets and data between public and private blockchains, as well as between onchain and offchain systems.

Value Capture:

- **Governance:** Bonding $RIZE tokens gives stakeholders a direct voice in shaping Rizenet's policies and allocation of the governance treasury. This encourages active engagement and aligns interests across the ecosystem.
- **Sustainable Growth:** Fees collected within the ecosystem are funnelled into the governance treasury, supporting ongoing innovation, network expansion, and long-term benefits for all participants.

To summarize, the T-RIZE platform connects asset owners with global investors through a streamlined tokenization process, simplifying access to high-value investments. At its core, Rizenet serves as a central hub, seamlessly bridging institutional networks with public blockchains, private blockchains, and off-chain systems. Purpose-built for onchain machine learning, Rizenet enables the development of collaborative decentralized AI models and agents that optimize processes, enhance liquidity connectivity, and uncover new demand opportunities. The $RIZE token underpins this ecosystem, facilitating governance, driving utility, and supporting sustainable growth.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Global Strategic Partnerships

RIZE TOKEN

Wintermute:
Liquidity Providing Partner

Wintermute is a global leader in market-making and algorithmic trading, operating across 60+ CeFi and DeFi venues for some of the most successful cryptocurrencies such as ONDO, AAVE and Optimism. With a strong presence in both centralized and decentralized markets, Wintermute ensures deep liquidity and minimizes price volatility and slippage, enhancing market confidence and adoption for $RIZE.

Citizen Journalism Network (CJN):
Strategic Incubation Partner

CJN is a leading digital media group and venture incubator, producing diverse content across X Spaces, YouTube, and Rumble. CJN's influential hosts engage millions globally, covering topics from finance to technology with a focus on impactful and timely reporting. Through its incubation services, including strategic positioning, fundraising support, and valuable connections, CJN strengthens T-RIZE as a tokenization & AI solution, driving broader adoption and integration. This, in turn, boosts $RIZE's utility and ensures the sustainable growth of its ecosystem.

Kraken:
TGE Exchange Listing Partner

$RIZE launched on May 15, 2025, on Kraken, a leading regulated exchange recognized for its institutional standards and global reach. It was selected for Kraken's exclusive REEF program, a curated launchpad built to showcase the most promising 1% of projects across the digital asset ecosystem. This selection affirms $RIZE's credibility and growth potential. The listing grants compliant access to investors in the U.S., Canada, and Europe, while offering heightened visibility to Kraken's most engaged and active user base.

Canton Network:
Institutional Network

T-RIZE is a node validator on the Canton Network, the world's largest institutional blockchain ecosystem. Through the Canton Utility application, T-RIZE deploys tokenization infrastructure that enables secure integration with high-value projects within the network. As a member of the Global Synchronizer Foundation, governed by the Linux Foundation, T-RIZE contributes to the oversight and governance of the Canton Network, reinforcing its role in institutional-grade digital infrastructure.

International Blockchain Consulting (IBC):
Strategic Marketing Partner

IBC Group is a top global player in blockchain marketing and project acceleration, delivering 3.5–4 billion monthly impressions and supporting over 300 successful campaigns. Ranked among the top firms worldwide, IBC specializes in influencer campaigns, community building, and global events. With a track record of launching multiple unicorns and high-performing blockchain projects, IBC drives global visibility, user adoption, and sustained growth for $RIZE.

T-RIZE/ETS Industrial Research Chair:
Strategic R&D Partner

The T-RIZE/ETS Industrial Research Chair, led by blockchain and AI expert Professor Kaiwen Zhang, dedicates 50,000 PhD research hours over five years to advancing Tokenization and Decentralized Machine Learning. With seven researchers and growing, along with partnerships with other leading research chairs, the Chair develops scalable blockchain solutions and real-world applications. This research directly enhances the $RIZE token's utility by driving innovations that power tokenization processes and decentralized intelligence within the T-RIZE ecosystem.

Chainlink:
Oracle Network

T-RIZE uses Chainlink's oracle infrastructure to power secure, verifiable data for tokenized assets. With Proof of Reserve, Proof of Origin, and Proof of Process, T-RIZE ensures traceability and auditability for carbon credits and RWAs. Chainlink's Cross-Chain Interoperability Protocol (CCIP) enables seamless connectivity across chains, expanding $RIZE's reach into DeFi and institutional networks.

To be Announced

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Partnerships

RIZE TOKEN

Republic

Leading primary market distribution platform for private assets, connecting over 3 million investors and providing access to a diverse, engaged investment community.

Texture Capital

Strategic partner ensuring compliant tokenized asset distribution in the US, connecting the T-RIZE platform with high-net-worth individuals, family offices, and institutional investors.

Base

Integrated with Base to deploy RWAs on their chain, leveraging their growing ecosystem and user base for enhanced reach.

Avalanche

Developing a dedicated blockchain for RWA DeFi and DeAI on an Avalanche L1, actively contributing to the Avalanche ecosystem.

Redbelly Network

Early partner with Redbelly Network, a purpose-built RWA tokenization blockchain with an $80B+ TVL pipeline.

Fireblocks

Integrated with Fireblocks to provide secure MPC wallets and part of a global network of 1,800+ institutional participants in the digital economy.

Dfns

Leveraging Dfns' Wallet-as-a-Service (WaaS) platform to streamline digital asset operations, ensuring secure onboarding and management within the crypto space.

ERC3643 Association

Active contributor to ERC3643, collaborating with 100+ key stakeholders to shape industry standards and governance for security token compliance.

Hashlock

Partnered with a leading web3 security auditing firm to ensure rigorous auditing of all smart contracts.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

1. Background and Introduction

1.1 About T-RIZE Group

T-RIZE Group (“T-RIZE”) is advancing tokenization across industries such as real estate, private equity, and private credit. By democratizing access to high-quality assets and unlocking liquidity in traditionally illiquid markets, T-RIZE combines institutional expertise, advanced technology, and a scalable infrastructure to create more efficient and accessible investment opportunities.

At the foundation of T-RIZE’s platform is Rizenet, a dedicated blockchain infrastructure purpose-built to support tokenization and Decentralized Machine Learning (DML). Rizenet enhances decision-making through AI-driven insights, streamlines workflows by automating processes, and reduces inefficiencies, allowing investors to access better analysis and smarter investment opportunities. Smart contracts ensure precise, secure transactions while fostering trust and transparency across the ecosystem.

With tokenization projected to reach $16 trillion by 2030, T-RIZE is scaling to meet this demand. Its $2 billion pipeline of signed MOUs demonstrates strong market traction. The RIZE token, Rizenet’s native asset, enables governance, payments, and interoperability, aligning stakeholders and driving adoption within the ecosystem.

1.1.1 Purpose, Vision & Mission

T-RIZE is dedicated to making high-quality assets more accessible and investable for a global audience. By combining institutional expertise with decentralized innovation, the platform sets new benchmarks for scalability, usability, and transparency in tokenized markets. As institutional adoption accelerates, T-RIZE bridges traditional finance with cutting-edge technology, expanding access to smarter, data-driven investment opportunities for investors of all sizes. Its mission is to transform how assets are raised, managed, and invested, building a financial ecosystem that fosters inclusivity, efficiency, and long-term growth.

Vision

T-RIZE’s objective is to leverage the efficiency of blockchain technologies to democratize access to high quality assets. Blockchain’s borderless transfers and composability ensure that everyone, regardless of their location or financial status, can participate in the global economy. This fosters a more inclusive and dynamic market.

Mission

T-RIZE drives transformative change by delivering innovative tokenization solutions that enhance economic sustainability and operational excellence. It has built a robust platform that integrates encrypted communication and certification protocols, ensuring the highest levels of security and trust. This infrastructure supports the growing demand for digital asset management and provides a reliable foundation for future growth.

Commitment

T-RIZE is committed to setting new industry standards and leading the way in tokenization. Its strategic initiatives are focused on promoting long-term growth and resilience, benefiting both its clients and the broader market. T-RIZE is not just a participant; it is a pioneer, pushing the boundaries of what is possible in digital asset management.

The T-RIZE platform is fully operational and is now scaling its operations to deliver its $2B pipeline and take on more projects. With a clear roadmap and a strong foundation, T-RIZE is poised to capture significant market share and deliver exceptional value to its investors.

Expertise and institutional leadership

The team at T-RIZE consists of seasoned professionals with deep expertise in capital markets, financial engineering, real estate financing, legal frameworks, ESG standards, and cutting-edge AI & blockchain technologies. Emerging from robust institutional backgrounds, these experts possess a nuanced understanding of complex, large-scale real estate projects, enabling them to navigate their intricacies effectively and deliver innovative, practical solutions.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

1.2 Challenges and Opportunities

The landscape of private and alternative financial markets is characterized by significant inefficiencies that hinder optimal operation and growth. While these markets[1] are rich in potential, they often grapple with systemic issues that blockchain technology is uniquely positioned to address.

- **Lack of transparency:** Private markets often operate within opaque frameworks, where limited access to crucial information hinders fair trading and complicates due diligence.
- **Illiquidity:** Traditional asset management methods can result in significant illiquidity, making it difficult to adjust asset allocations quickly, thereby increasing investment risks.
- **Restricted access:** High barriers to entry prevent many potential investors from accessing certain asset classes, limiting market participation.
- **High entry costs and geographical limitations:** Financial and geographical barriers significantly restrict the diversity of market participants and the geographical spread of investments.

T-RIZE's offers solutions to many of these challenges through its advanced tokenization platform and institutional connectivity. Blockchain technology paves the way for more resilient and robust financial infrastructures, empowering businesses to raise capital seamlessly in a globally accessible market. Even amidst economic challenges like high inflation and rising interest rates, this innovative approach ensures unmatched efficiency and cost-effectiveness, offering a bright and stable future for financial growth.

Innovation as a Solution

To navigate these challenges in the private market, T-RIZE leverages the distinct capabilities of blockchain, decentralized AI, and tokenization.

Blockchain ensures transaction integrity and efficiency through its immutability and automation features. Decentralized AI improves data-driven decision-making, optimizing reporting, risk assessment, and investment strategies. Tokenization enhances accessibility and liquidity, directly tackling the main obstacles in fundraising for real-world assets.

Tokenizing assets offers significant benefits :

1- Cost efficiency :
Streamlines transactions and management, cutting costs.

2- Enhanced liquidity :
Facilitates easier and faster asset trading.

3- Greater transparency :
Ensures detailed tracking and performance insights.

4- Broader access :
Lowers barriers to entry, enabling more widespread investment.

5- Programmability :
Automates and adds new functionalities through smart contracts.

6- Fractional ownership :
Enables investment in smaller portions of high-value assets.

[1] https://www.bain.com/insights/private-asset-investing-desperately-needs-new-market-infrastructure/

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com



The T-RIZE solution vs. traditional methods for fundraising

Funding Solutions	Initial Capital Requirement	Funding Accessibility	Cost of Capital	Speed of Fundraising	Market Reach	Reporting and Administration	Carbon Offset Accessibility
Traditional Methods Bank loans, private equity, grants	●○○○ High	●●○○ Limited	●●○○ Higher due to intermediaries and Interests	●○○○ Slower, complex processes	●●○○ Regional or sector-specific	●○○○ Extensive paperwork	●○○○ Limited
T-RIZE Platform Tokenized Asset Offerings	●●●● Very low	●●●○ Fractional Investments	●●●● Reduced Costs	●●●● Faster, automation	●●●● Global reach	●●●● 70-90% Admin Fees Reduction	●●●● Verifiable Real-Time

●●●●: No to low Issues
●●●○: Minor Issues
●●○○: Some Issues
●○○○: Significant Issues

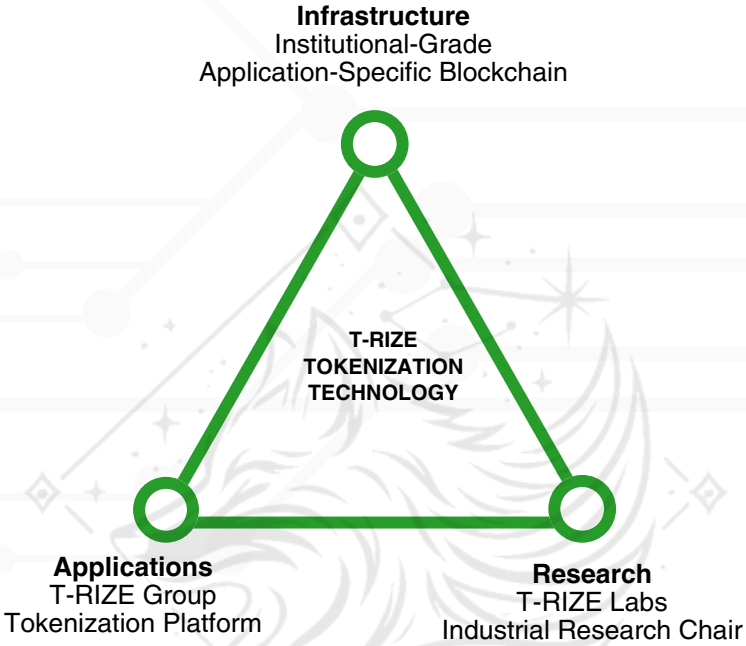
In contrast to traditional funding methods, the T-RIZE solution offers a more accessible, cost-effective, and efficient mechanism for raising funds and managing assets. By integrating advanced technologies, T-RIZE not only simplifies the investment process but also opens up new possibilities for investors and asset owners worldwide.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

1.3 T-RIZE Commitment to Tokenization Technology

T-RIZE's technology framework is structured around three core pillars : Innovative Research, Robust Blockchain Infrastructure, and Solution-Driven Applications. Each component is designed to support and enhance the tokenization of assets, ensuring a comprehensive approach to digital asset management.

T-RIZE technology : Research, Infrastructure and Applications



Innovative Research

At the core of T-RIZE's innovation is the T-RIZE Labs, home to North America's first Industrial Research Chair dedicated to Tokenization. This landmark collaboration with École de Technologie Supérieure, a leading engineering and technology school within a major North American university, underscores T-RIZE's commitment to pioneering research. Leading this initiative is Professor Kaiwen Zhang, a distinguished Canadian expert whose expertise in Blockchain, carbon credits and AI is internationally recognized. The chair will ensure T-RIZE maintains its status as a cutting-edge tokenization platform, by keeping up to date and pushing forward the tokenization industry.

Robust Blockchain Infrastructure

The tokenization platform supports the deployment of security tokens on multiple blockchains such as Base, Avalanche, Canton Network and Rizenet, enabling users to strategically choose platforms where there is high demand and sufficient liquidity for their projects. Rizenet is a public-permissioned chain built by T-RIZE using Avalanche L1, chosen for its exceptional time-to-finality, customization and scalability. It's tailored to fulfill the requirements to support our privacy preserving decentralized machine learning infrastructure.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Solution-Driven Applications

The T-RIZE platform and its technological partners help manage the complete lifecycle of tokenized assets—from legal structuring to issuance, distribution, custody and corporate actions. The T-RIZE platform offers a diverse array of security token types (equity, debt, construction, royalty) and features an innovative Web3 communication protocol, advanced DML capabilities, and planned integrations with decentralized borrowing and lending protocols for loans collateralized by security tokens. These features keep the T-RIZE platform at the forefront of industry innovations.

The RIZE Token

Integral to the T-RIZE platform and the Rizenet blockchain, the RIZE token is used to access premium features, unlock institutional insights through the DML infrastructure and to vote on governance treasury allocation. Fees captured by Rizenet goes back to the governance treasury, to keep growing the institutional-grade ecosystem for managing and tokenizing high-quality assets.

We invite you to discover the extensive utility of the RIZENET token. As the backbone of a dynamic, decentralized financial landscape, the RIZENET token enables a broad array of platform services, blockchain operations, and innovative research initiatives.

2. T-RIZE Technology and Solutions

This section details T-RIZE's array of technologies and solutions that are transforming the tokenization sector. It highlights the robust tokenization and integration capabilities of the T-RIZE platform, and the innovative combination of a hybrid, permissioned blockchain and Decentralized Machine Learning applications that underpins its infrastructure.

2.1 T-RIZE Tokenization Platform

Overview of the platform

The T-RIZE platform, with its legal partners and integrated technological frameworks, helps manage the complete tokenization lifecycle for high-quality construction, real estate projects and private credit. This lifecycle includes initial legal structuring, token creation, trading on compliant secondary markets and detailed post-tokenization management. The system is designed to simplify complex processes and make fundraising and asset management more accessible, efficient and cost-effective.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.1 Tokenization Process : A Four-Step Approach

1- Assets Selection	2- Legal Structure	3- Technology	4- Distribution
Only top-tier projects are selected, with stringent criteria for thorough documentation, precise timelines, robust financial projections and clearly defined expected returns.	Rigorous due diligence ensures compliance with all legal requirements. Assets are structured within favorable jurisdictions.	The secure and compliant platform is built to manage all data, configure tokens and support many blockchain networks.	Tokens are distributed through compliant exchanges and partnered brokers, maximizing market reach, liquidity and investor uptake.

Pre-issuance and issuance

The initial steps ensure that projects are market-ready by rigorously preparing the assets through selection, legal vetting, and technological setup. The final steps involve issuing the tokens to the market, focusing on effective distribution and broad investor engagement.

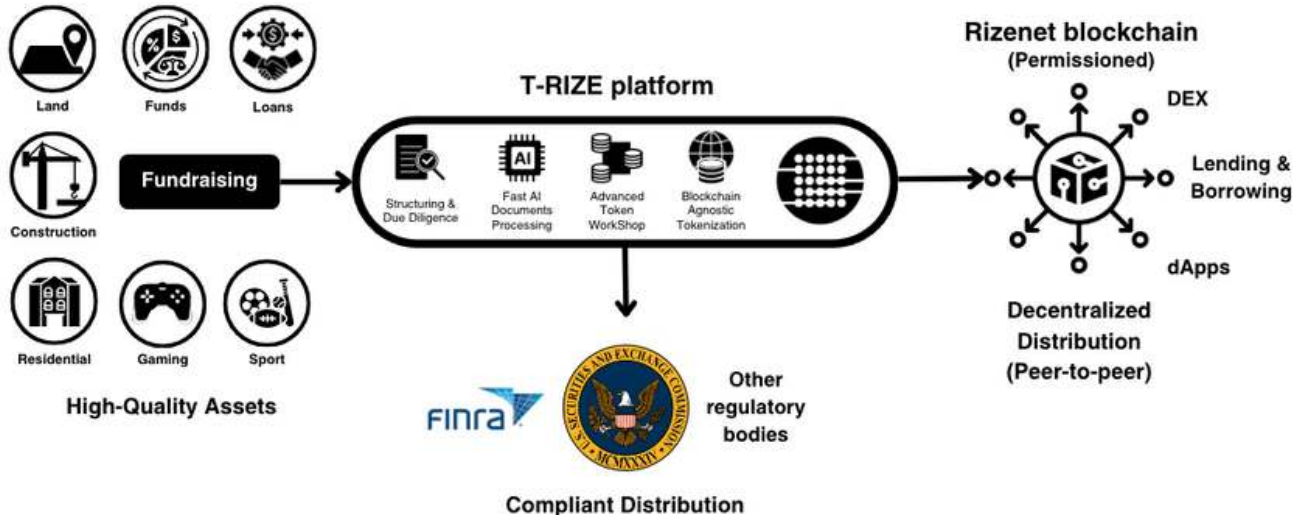
Post-tokenization management

After distribution, the T-RIZE platform supports essential corporate actions, such as cap table management, corporate voting and dividend distributions. Key information about the underlying asset is kept up to date on the token itself, disregarding the need for investors to seek details from third-party sources.

Additionally, the tokenized assets become usable in decentralized finance (DeFi) which includes applications such as lending markets.

CRYP2NOVA

2.1.2 Distribution Strategies



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Centralized distribution

T-RIZE employs a centralized distribution model through partnerships with SEC-registered broker-dealers, ensuring the compliant issuance and distribution of tokenized assets in the U.S. and global markets. This approach provides a regulated, secure trading environment aligned with stringent U.S. securities laws, offering institutional and retail investors a reliable entry point into the tokenized asset market. To maintain global regulatory compliance, T-RIZE adapts its distribution framework to meet the requirements of each jurisdiction, ensuring full adherence to regional financial regulations.

Future developments in decentralized distribution

T-RIZE is also planning to expand into decentralized solutions to fully leverage the potential of blockchain technology. The initiatives include deploying a decentralized borrowing and lending protocol on the Rizenet blockchain, collateralized with security tokens, and integrating with established DeFi protocols on Base and other supported blockchains, enhancing overall DeFi capabilities. All of this is set within compliant, permissioned blockchain structures designed to maintain regulatory compliance while providing the core benefits of decentralized finance, such as transparency, immutability, and reduced counterparty risks.

Additionally, we also plan to integrate with decentralized exchanges (DEXs) to enhance the liquidity and accessibility of tokenized assets. This integration will facilitate peer-to-peer transactions without intermediaries, aiming to significantly enhance market efficiency and accessibility. By leveraging DEXs in the future, we intend to provide investors with direct engagement in the market, offering them more control over their transactions and reducing the friction typically associated with traditional exchanges. The planned introduction of dApps will further enhance the T-RIZE platform's capabilities, offering sophisticated, blockchain-based tools for user interaction, investment and asset management.

Synergistic approach

The dual strategy of utilizing both centralized and decentralized distribution methods allows T-RIZE to offer a comprehensive suite of services that cater to a diverse range of investor needs. By providing options for both highly regulated, secure transactions and more open, flexible trading environments, we bridge the gap between traditional finance and the evolving world of digital assets. This hybrid approach not only increases the platform's resilience and appeal but also ensures that it is well-positioned to adapt to future regulatory and technological changes.

2.1.3 Compliance

The T-RIZE platform maintains stringent compliance throughout its operations. Initially, all participants must complete comprehensive KYC/KYB/AML procedures. The platform rigorously enforces asset listings, verifying investor eligibility and issuer criteria, including geographic and accreditation restrictions. Post-tokenization, ongoing compliance is guaranteed through the ERC-3643 standard for permissioned tokens, which includes detailed checks for blockchain transactions based on verifiable credentials and transfer rules. Additionally, a Compliance Manager or a designated third party oversees and addresses any compliance issues to ensure continuous adherence to legal standards.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.4 Tokenization Building Blocks

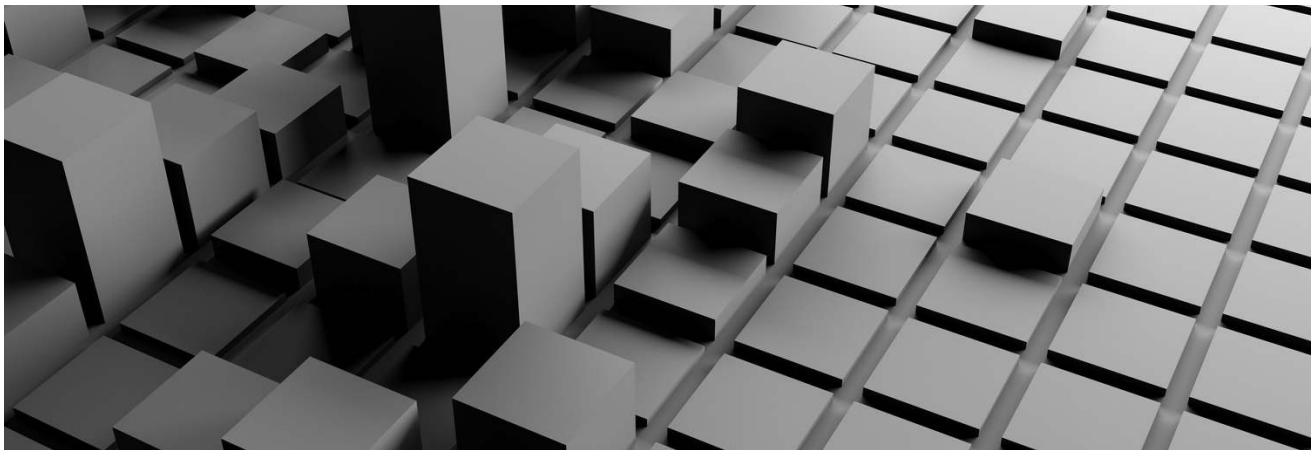
The platform offers various token types based on the asset's needs, such as equity, debt, construction and royalties :

Equity tokens : Represent ownership in a company or asset, providing voting rights and a share in profits.	**Construction tokens :** A specialized type of debt token designed to fund construction projects. They offer interest payments at the end and include a conversion option upon maturity.
Debt tokens : Functioning similarly to bonds, they act as loans to the issuer, promising repayment with interest. These tokens are non-convertible.	**Royalty tokens :** Offer holders a share of revenue generated by the asset without owning the asset. Generally used for Fiscal Optimization.

Asset owners can configure multiple token types to suit their project's requirements, such as mixing debt and equity tokens or adding royalty tokens for a share of future earnings. Each token complies with the ERC20 standard, ensuring compatibility and ease of use within the broader EVM-compatible ecosystem.

CO2 Offsets Token : Verified Carbon Credits that can be used to offset projects's energy footprints by using Proof of Origin, Proof of Process and following ISO validation standards.

By integrating tokenized carbon credits, the T-RIZE platform empowers asset owners to decarbonize their projects and align with global sustainability goals. Verified credits are issued through vetted partners and robust tracking systems, ensuring full traceability from origination to usage. This feature enables projects to achieve carbon neutrality, attracting environmentally conscious investors and enhancing long-term asset sustainability.

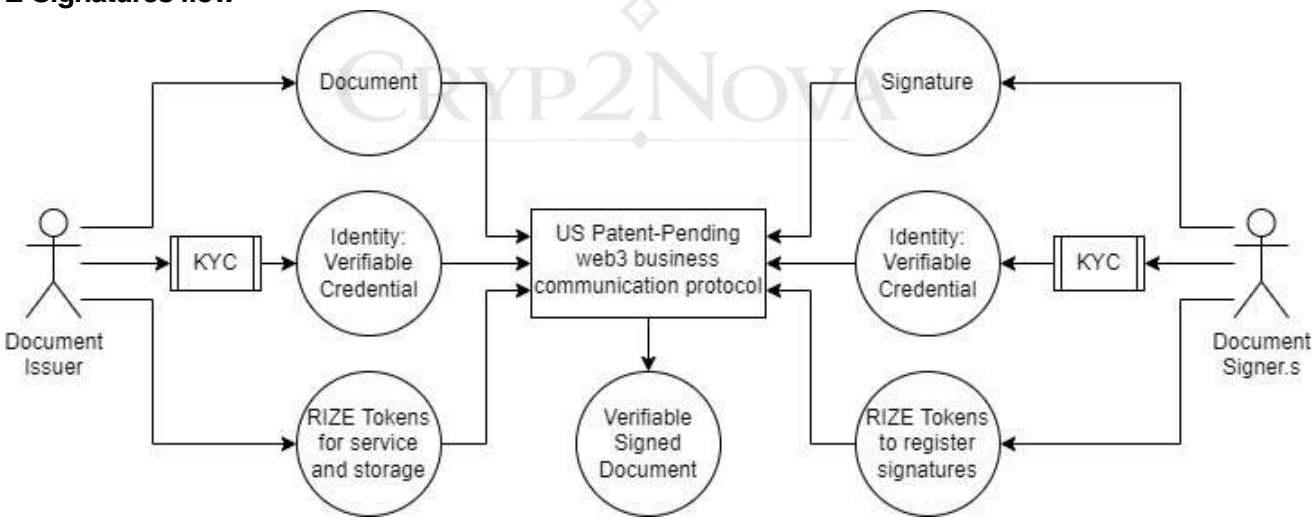


CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.5 Additional Platform Features

Decentralized Web3 communication :	Immutable e-signatures :	Blockchain flexibility :	API integration :
The platform employs cutting-edge, secure communication protocols to safeguard business communications and private file sharing within the ecosystem. These protocols ensure all interactions are end-to-end encrypted by participants, immutable and only between real participants of known identity, creating a secure and reliable digital environment.	The platform enhances document integrity with immutable e-signatures for all essential agreements, such as token purchase contracts and NDAs. These signatures are linked to the user's blockchain wallet, verified through comprehensive KYC procedures and permanently recorded on the blockchain, offering a secure audit trail that guarantees the authenticity of signed documents.	T-RIZE's solutions are blockchain-agnostic, supporting all EVM-compatible blockchains, including Base, Avalanche and Rizenet. This flexibility allows asset owners to engage with investors across varied blockchain platforms, whether public or private. Additionally, the platform is equipped with interoperability solutions to facilitate seamless token transfers between different blockchains and to leverage liquidity from different ecosystems.	The platform's modular API infrastructure allows developers and businesses to integrate T-RIZE's tokenization tools into their systems effortlessly. This enables clients and partners to retain control over their UI/UX while leveraging T-RIZE's robust, scalable and secure tokenization infrastructure.

E-Signatures flow



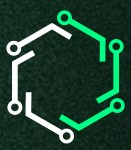
CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.6 Security Measures

The security architecture of the T-RIZE platform is designed to meet institutional-grade standards, providing a robust foundation for asset management and tokenization :



Advanced encryption : State-of-the-art encryption secures data transmission, communication, and storage, protecting against unauthorized access and breaches.



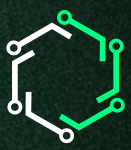
Multi-layered security architecture : This strategy incorporates defences across physical, network and application layers, robustly shielding against a spectrum of cyber threats.



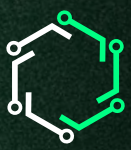
Regular security audits : Independent experts conduct periodic audits to identify and mitigate potential vulnerabilities, thereby maintaining the platform's security integrity.



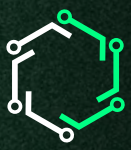
Smart contract audits : Core smart contracts related to tokenization and transactions are subjected to rigorous audits by cybersecurity experts to ensure they are free from vulnerabilities and operate as intended.



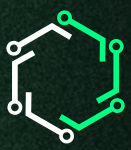
Commitment to SOC 2 compliance : T-RIZE's commitment to achieving SOC 2 compliance underscores the dedication to maintaining the highest standards of security, availability, processing integrity, confidentiality and privacy. This commitment is integral to T-RIZE's ongoing efforts to enhance trustworthiness and operational excellence.



Decentralized infrastructure : Leveraging decentralized technologies such as blockchain and our decentralized machine learning solution enhances the platform's resilience against cyber-attacks, boosts transparency, minimizes central points of failure and improves operational reliability.



Open source : The platform adopts widely recognized open-source dependencies that have proven security records and are auditable by anyone, aligning with common security best practices.



Standards : The use of standards throughout all phases of development guarantees consistent levels of quality and security, ensuring a robust security posture for the platform.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.7 Integrations & Collaborations

The T-RIZE platform leverages strategic integrations with key technologies and third-party services to enhance the functionality and compliance of its tokenization offerings. These integrations automate and streamline the listing process, encompassing KYC/KYB procedures, payment processing and distribution across compliant secondary markets.

Compliance and payments:

The T-RIZE platform implements rigorous KYC, KYB, and AML processes foundational to its operations, ensuring transaction integrity and compliance.

It supports a broad spectrum of payment options through partnerships with leading financial service providers, accommodating both fiat and cryptocurrency transactions to meet diverse investor needs.

Market reach and liquidity:

Collaborations with compliant exchanges and brokers expand market access and improve the liquidity of security tokens, crucial for active trading on secondary markets.

Additionally, a planned decentralized borrowing and lending protocol will allow security tokens to be used as collateral, further enhancing liquidity.

Wallet security with MPC:

The use of Multi-Party Computation (MPC) fortifies the security of non-custodial wallets, improving usability without compromising control.

By distributing private key shards among multiple parties, MPC prevents any single entity from controlling key assets and supports robust transaction authorization and recovery mechanisms.

Real-world data integration:

The platform integrates decentralized oracles to enable smart contract executions based on real-time external data, increasing the platform's adaptability to market conditions and enhancing operational responsiveness.

Digital custody and audits:

Partnerships with digital custody providers ensure secure asset storage, complemented by regular security audits from independent third-party auditors to maintain compliance with regulatory standards.

Service provider network:

The comprehensive network includes appraisal firms for accurate asset valuation, legal firms for regulatory guidance and carbon verification agencies to support sustainability initiatives.

These collaborations enrich the T-RIZE tokenization ecosystem, enhancing the tokenized assets throughout their lifecycle.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.1.8 Verification and Authenticity Mechanisms

Comprehensive verification and authenticity mechanisms are implemented to ensure the credibility, provenance, and trustworthiness of the assets tokenized on the T-RIZE platform and throughout its lifetime in other decentralized protocols.

Each mechanism is specifically designed to suit the unique characteristics of different asset types and combines advanced blockchain technology with strategic partnerships from qualified third parties.

This tailored approach ensures that the verification processes are robust and adaptable, providing reliable assurance for tokenized assets.



1. 

Proof of reserve is employed to verify the physical existence and availability of tangible assets requiring secure storage, such as gold. This verification typically involves regular physical audits by independent third parties to confirm that the actual reserves correspond with the amounts represented by digital tokens.

2. 

Proof of origin certifies the authenticity and provenance of assets. For assets such as carbon credits, this process entails verifying that they are sourced from certified renewable energy projects, with ongoing monitoring and reporting. For artworks, it involves verifying authenticity and provenance through third-party validations, which incorporate detailed historical records and expert assessments.

3. 

Proof of process ensures adherence to predefined quality standards and procedures across all operations. This methodology is essential to maintain quality and consistency during production and for ensuring that projects adhere to their timelines.

In manufacturing, it requires rigorous monitoring and verification of each stage through quality control systems, confirming that products meet high standards before market release.

In construction, it involves real-time monitoring tools that document daily progress, effectively managing timelines and stakeholder expectations.

Additionally, the T-RIZE platform integrates decentralized oracles to enhance the functionality and accuracy of smart contracts by incorporating real-time data directly into blockchain operations.

This integration makes the T-RIZE platform highly responsive and adaptable to real-world conditions and changes, further securing the tokenization process and improving asset management efficiency.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.2 Rizenet Blockchain

Blockchain Infrastructure

The Rizenet blockchain is a public-permissioned blockchain designed specifically to make asset tokenization faster and smarter. Built with the Avalanche L1 technology using the Ethereum Virtual Machine (EVM) as the smart contract execution engine. The chain is a crucial part of T-RIZE's solution to enhance functionality of tokenized RWAs by integrating AI models. This integration will enable smarter and automated decisions directly into smart contracts.

Since March 2024, the Rizenet testnet is operational and under active development. Engineers are testing its capabilities, partners are providing operational feedback and the research partners from the T-RIZE Labs are working on the documentation. A significant development is the integration of university validators, which bolsters the network's integrity and security. The mainnet will be launched once all testing is completed.

Comparison of Blockchain Architectures

		Rizenet Blockhain	
	Public (permissionless)	**Public-permissioned** (permissioned)	**Private** (permissioned)
ADVANTAGES	+ **Decentralization** + **Transparency** + **Trustless** + **Standardization**	+ **Access Control** + **Transparency** + **Performance** + **Scalability** + **Auditability**	+ **Access Control** + **Performance** + **Customization**
DISADVANTAGES	- **Performance** - **Scalability** - **Access Control** - **Upgradability**	- **Decentralization** - **Upgradability**	- **Decentralization** - **Trust** - **Auditability**
USE CASES	■ **Cryptocurrency** ■ **Decentralized Finance**	■ **Asset Ownership** ■ **Document Validation** ■ **Smart cities**	■ **Banking** ■ **Supply chain** ■ **Healthcare**

Purpose and design

The Rizenet blockchain is crafted to facilitate a decentralized infrastructure where institutional players can validate and manage interactions with various counterparties, thereby meeting stringent legal obligations and managing risk effectively. To maintain high standards of security and compliance, the deployment of smart contracts is restricted to whitelisted addresses.

Rizenet sets itself apart from other blockchains because it is built specifically for enabling our privacy preserving machine learning infrastructure for tokenized RWA.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Rizenet blockchain requirements

RIZE TOKEN

#	Requirement	Description	Impact
R1	Permissioned Validators Set	Only pre-selected validators process transactions into blocks	Ensures transaction validation control, for more security and easy compliance
R2	EVM Compatibility	Smart contracts executed by the Ethereum Virtual Machine (EVM)	Facilitates interoperability and enables use of existing tools, standards and applications
R3	Native Gas Token	Uses a custom gas token for network fees	Driving network engagement and allocates network resources efficiently
R4	Permissioned Smart Contract Deployment	Limits smart contract deployment to authorized addresses	Balances openness with control, ensuring network integrity while supporting community activity
R5	High Throughput	Supports computationally intensive applications	Essential for business intelligence, workflow automation such as automated portfolio rebalancing and times of high volatility
R6	Low-Cost Transactions	Using the network and its applications is not expensive	Encourages broader adoption, supports the Web3 communication protocol and enables oracles to commit up to date information more often.
R7	Data Privacy and Auditability	Allow auditors to inspect the chain data.	Builds institutional and public trust.
R8	Data Privacy	Enable asset owners to conceal their identity and quantity of tokens to the public.	Allow pseudo-anonymity while developping more robust solutions using fully homomorphic encryption or Zero-Knowledge Proofs. Align with privacy laws for broader adoption.
R9	Interoperability with Other Networks	Connects to other high-liquidity networks and applications	Attracts investors by providing a seamless user experience and unified liquidity
R10	BFT Consensus Mechanism	Use Byzantine Fault Tolerance (BFT) to protect against faults or malicious actors	Ensures robustness and security, maintaining operations even under adversarial conditions
R11	High Availability	Maintains constant network operation with minimal downtime	Guarantees reliability and uninterrupted service for all network functions
R12	Geographically Distributed Nodes	Spreads nodes across various regions or specific regions for the case of custom networks	Improves network resilience reducing risks associated with specific regional issues. Supports region-specific subnetworks
R13	Fast Finality	Quick transaction finalization without traditional delays	Improves transaction efficiency and velocity of money reducing counterparty risk
R14	Self-Sovereignty	Allows network to function independently and make decisions autonomously	Eliminates dependency on external systems, enhancing control and trust within the network

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Rizenet Features

Web3 communication protocol

This protocol enhances the T-RIZE ecosystem by using blockchain technology to bolster real-time communication, file transfers, e-signatures, proof mechanisms, ensuring secure, confidential and efficient operations.

Extended blockchain integration

The Rizenet blockchain connects seamlessly with other selected blockchains of the Avalanche ecosystem through the native Teleporter module and with other select chains through the upcoming integration with Chainlink's CCIP, enabling users to transfer funds and conduct transactions across platforms and chains. For clients requiring heightened control, custom private, hybrid or consortium blockchains can be developed, which also integrate with Rizenet for full interoperability with other blockchains.

Gas fees

Gas fees on Rizenet are low due to the configuration of the chain which allows high throughput. In order to prevent transaction costs from increasing due to the volatility of the utility token value, the validators have the ability to adjust the configuration to reduce the gas consumed by a transaction.

Accessibility and connectivity

Despite its permissioned nature, the Rizenet blockchain maintains transparency and is accessible to both institutional and non-institutional investors.

The hybrid design of Rizenet optimizes for scalability and control without compromising the liquidity and reach typical of public chains.

Validators

The Rizenet blockchain has a permissioned set of identified and accountable validators chosen to ensure transaction validation is controlled, energy-efficient and compliant with institutional standards. This approach enhances security and aligns with the needs of institutional participants.

The initial set of validators are key entities such as universities and reputable institutions based on security, reputation and performance criteria, to ensure they are of the highest standards. New validators require approval from the existing consortium to join, ensuring network integrity is maintained.

Validators must adhere to specific performance and security protocols and follow best practices for node management, maintaining consistent reliability and security across the network.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Onchain RWA Lending and Borrowing Market

T-RIZE is set to deploy a decentralized lending and borrowing protocol tailored for tokenized real-world assets (RWAs) on Rizenet. This protocol allows users to secure loans using their tokenized real-world assets as collateral while providing yield opportunities for lenders of stablecoins or cryptocurrencies. The platform is optimized for capital efficiency using adaptable interest rate curves and AI models trained with our decentralized machine learning infrastructure. These models can suggests collaterization ratios based on the asset's features as well as customized loan terms for each users. These significant advantages make Rizenet a compelling choice for lending and borrowing activities involving RWA tokens.

Key Features

Variable Interest Rate:

The market automatically adjusts the interest rate paid out to lenders using market utilization and conditions. This ensures proper utilization and liquidity for lenders.

Multi-Instance Cross Silo Markets:

This hybrid approach ensures deep liquidity for borrowers while giving the ability for lenders to pick a risk profile.

Real-Time Risk Assessment:

By integrating AI for predictive analytics, the platform provides real-time updates on asset valuation and risks, ensuring that the markets remains properly configured. This dynamic approach helps in managing the risks associated with market fluctuations.

Over-collateralization:

In over-collaterized markets, all loans require borrowers to deposit a higher value of collateral than the amount borrowed. This significantly reduces the risk to lenders agaisnt non-repayment as the collateral can be sold to make lenders whole.

This over-collateralization ratio varies based on the asset class and its risk profile.

Margin call:

If the value of the collateral falls below the configured collaterization threshold for the market, a margin call is triggered. Borrowers are required to either deposit additional assets or repay a portion of the loan to restore the required collateral ratio. Failure to meet the margin call can result in the liquidation of the collateral to cover the loan, safeguarding the lender's interests.

Personnalized Terms:

T-RIZE's decentralized machine learning infrastructure is training a model to personnalize loan terms based on the user's private and public data. This approach optimizes user experience while keeping risk to a minimum.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.3 Decentralized Machine Learning

2.3.1 Data Challenges

T-RIZE addresses a fundamental challenge identified from our hands-on experience: how to use private or sensitive data across organizations without compromising its security. Training machine learning models requires large, high-quality datasets, which can be difficult to access, especially in industries like finance and construction. Data in these sectors is often protected by internal policies or bound by Non-Disclosure Agreements, making collaboration even more complex. In construction, for instance, projects are typically managed by different contractors, resulting in small, disconnected datasets that, on their own, aren't sufficient to build accurate models.

2.3.2 Collaborative Privacy Preserving Machine Learning

T-RIZE solutions is a cooperative, privacy-preserving AI infrastructure architectured by the T-RIZE Labs. It overcomes data fragmentation by allowing organizations to contribute insights from their data through local training—without sharing the data itself. This privacy-preserving approach not only safeguards sensitive information but also improves model accuracy by integrating diverse datasets from multiple sources. By fostering collaboration—even in a competitive environment—the solution is a net benefit to every participant and drives innovation in sectors where data-sharing barriers currently exist. It empowers decision makers to harness the collective intelligence of trusted institutions, unlocking actionable insights for tokenized assets and beyond.

Key Use Cases

1. **Construction Cost Prediction:** As experienced by T-RIZE, the construction sector faces challenges with fragmented datasets across projects. T-RIZE's solution enables comprehensive insights and accurate cost predictions.
2. **Smarter Lending Market:** By integrating AI into the market, T-RIZE enables precise asset assessments, tuning collateral ratios and offering customized loan-to-value (LTV) ratios based on a user's financial history and risk profile. This approach ensures borrowers receive fair and tailored loan terms while allowing lenders to minimize risk and improve capital efficiency
3. **Anomaly Detection:** By analyzing public and private data, a model can better detect patterns related to malicious transactions to offer robust protection for investors and platforms.
4. **Trade Execution Data:** Leveraging private trade records, the solution optimizes trade execution strategies for more efficient market operations.

2.3.3 Advantages

T-RIZE's framework stands out from other Decentralized Physical Infrastructure Network (DePIN) projects for machine learning in two critical ways:

- **Uncompromising Data Privacy:** Unlike existing solutions that prioritize distributing computing resources and require data owners to share their data with third parties, T-RIZE's framework is designed with data privacy at its core. Trainers can participate in distributed training without ever sharing their data. This ensures sensitive information remains secure and confidential, making the solution particularly appealing to organizations handling private or proprietary data.
- **Best-in-Class Reward Alignment:** T-RIZE's framework uses a decentralized evaluation process to calculate the marginal contribution of each trainer, rather than relying on public datasets for validation. This approach effectively addresses the challenges posed by the heterogeneity of data across trainers. It ensures fair compensation for all participants, fostering collaboration while incentivizing contributions based on real impact.

These advantages are the result of Prof. Kaiwen Zhang's expertise and the extensive research by the dedicated team of researchers from the T-RIZE labs. The unique architecture is deeply rooted in their innovative insights and represents a significant competitive edge, making it difficult for competitors to replicate.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

2.3.4 Contribution Calculation and Monetization

Trainers are rewarded with tokenized ownership of the supermodel, proportional to their contributions toward its accuracy. Contribution is calculated through a decentralized evaluation process grounded in game theory. Multiple candidate supermodels are aggregated and evaluated by trainers, enabling the calculation of each trainer's marginal contribution using the Shapley Value formula. Based on these calculations, trainers are rewarded with tokenized ownership in the supermodel, reflecting the overall improvement in metrics driven by their efforts.

This decentralized evaluation process eliminates potential biases that could arise if validators relied on a public dataset to assess models. The tokenized ownership provides additional utility: it can be traded or held to earn revenue from inference fees paid by smart contracts, creating a sustainable and transparent incentive system for all participants.

2.3.5 Lower Requirements

The framework's design minimizes resource demands. Real-time database connectivity and immediate inference execution are not required. Participants can periodically extract and format data for training. Once trained, another party can manage inference execution, relieving trainers of the burden of complex DevOps responsibilities.

Moreover, the solution reduces overall costs as it share the expenses between multiple parties. Trainers can then use the models freely, removing the need to pay a third party.

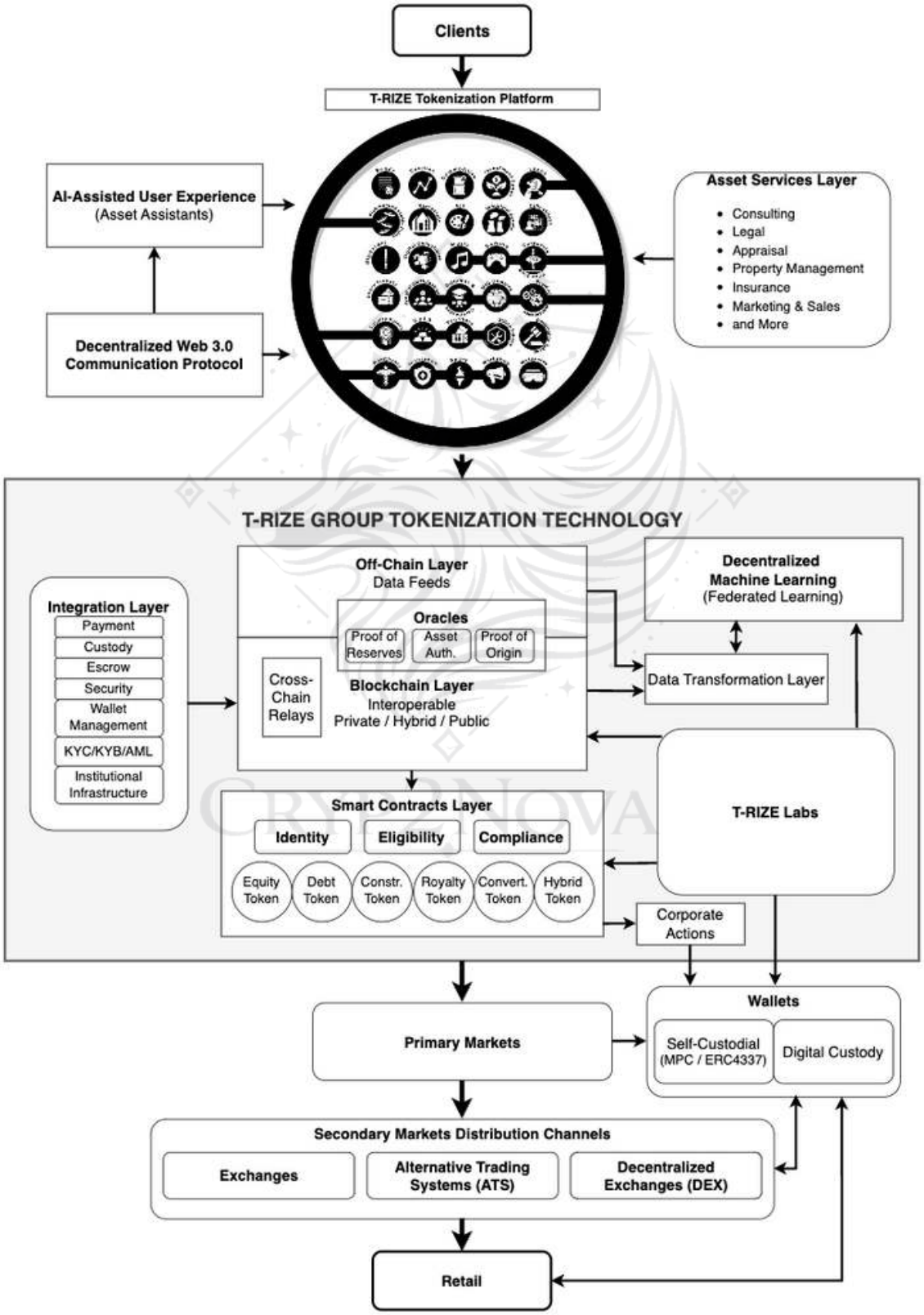
2.3.6 Verifiable Inference for Smart Contracts

Due to the blockchain's limited computational capacity, running model inference on-chain is currently impractical. However, transparency during the inference process is essential to verify that model predictions are computed correctly. To address these challenges, the T-RIZE solution leverages mature, reliable off-chain AI infrastructure and combines it with Zero-Knowledge Proofs (ZKPs) or optimistic inference to ensure dependable results. Zero-Knowledge Proofs are cryptographic techniques that enable one party to prove the correctness of a computation without revealing any sensitive data. Optimistic inference, on the other hand, assumes that off-chain results are correct by default, while providing a mechanism to challenge and verify outcomes if discrepancies arise. This approach eliminates the need for high on-chain computation while providing verifiable evidence that the inference was properly executed, enabling smart contracts to integrate AI models with strong off-chain computation integrity.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

T-RIZE Tokenization Technology

RIZE TOKEN



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

3. Collaborations and Community

3.1 T-RIZE Labs - Industrial Research Chair with ÉTS University

T-RIZE has partnered with École de Technologie Supérieure (ÉTS), one of Canada's top engineering schools, to establish North America's first research chair dedicated to blockchain technology in tokenization.

This chair, led by Professor Kaiwen Zhang, a renowned expert in blockchain and AI, focuses on pioneering specific blockchain applications that enhance tokenization processes.

The T-RIZE Labs team comprises many skilled researchers, including postdocs and graduate students, who are developing scalable blockchain solutions and Decentralized Machine Learning applications. Their innovative work spans a variety of sectors, implementing advanced technologies in supply chain traceability, gaming, and privacy-preserving AI—turning academic insights into tangible, real-world solutions. They are also exploring additional topics such as smart contract security, quantum resistance, verifiable credentials, and oracles. Furthermore, their work extends to tokenization applications in diverse fields including the energy market, art, real estate and carbon credits.

Collaborative impact

T-RIZE Labs actively seeks and fosters collaborations with universities, research institutions and industry leaders to drive advancements in blockchain and AI technologies. These partnerships are crucial for integrating cutting-edge research into the development of a blockchain ecosystem specialized for asset tokenization.

By aligning academic research with industry needs, T-RIZE Labs not only enhances the technological infrastructure but also ensures that these innovations have a direct impact on improving asset management systems.

3.2 Technology Partners

T-RIZE employs a combination of in-house and external solutions to ensure a robust tokenization infrastructure.

Key integrations and technology providers include :

1- Security with Multi-Party Computation (MPC) :
MPC enhances the security of users wallets, making it more robust against threats and appealing to institutional users.

2- Real-time data and blockchain oracles : Brings transparency, more fairness and faster asset trading.

3- Global payment solutions :
Integration with leading payment processors to facilitate seamless global transactions in fiat and stablecoins, enhancing accessibility and operational efficiency.

4- Regulatory compliance :
Lowers barriers to entry, enabling more widespread investment.

5- Generative AI :
Employing provider-agnostic AI technologies to streamline asset reporting and analysis, enhancing efficiency and providing sophisticated analytical tools to platform users.

6- Blockchain networks :
The T-RIZE platform is compatible with multiple blockchains including Base, Avalanche, Ethereum, Polygon, BNB Chain, Sonic, Arbitrum and Optimism to ensure broad interoperability and provide flexibility to users.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

3.3 Community Initiatives

T-RIZE is committed to fostering a vibrant community of developers and stakeholders through various incentives and Web3 engagement strategies :

1. **Developer ecosystem support**
   Creating a vibrant developer ecosystem through comprehensive documentation, SDKs and APIs, encouraging composability and innovation of the ecosystem.

2. **Blockchain education and training programs**
   Initiating educational programs to deepen understanding of blockchain technology, driving adoption and informed engagement within the community.

3. **Hackathons and innovation challenges**
   Hosting hackathons that challenge participants to solve real-world problems using the T-RIZE ecosystem, fostering innovation and practical applications of the T-RIZE technology.

4. **Participative governance**
   The governance model enables community members and token stakeholders to vote on proposals, aligning the ecosystem's evolution with user needs and expectations.

5. **Community rewards and incentives**
   Reward programs and airdrop will also be reserved for active community members who contribute to platform testing, feedback and new feature suggestions, to foster a dynamic ecosystem.



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

3.4 Collaborations and Strategic Partnerships

Wintermute: Strategic Liquidity Partner

Wintermute is a globally recognized leader in market-making and algorithmic trading, operating across 60+ centralized (CeFi) and decentralized (DeFi) venues. Known for its work with top-tier cryptocurrencies such as ONDO, AAVE, and Optimism, Wintermute ensures robust liquidity and optimal trading conditions for $RIZE.

As T-RIZE's liquidity partner, Wintermute plays a crucial role in stabilizing token markets by reducing price volatility and minimizing slippage during trades. This partnership fosters greater market confidence and supports adoption by ensuring $RIZE remains a highly liquid and accessible asset across trading platforms. Wintermute's strong presence in both CeFi and DeFi markets positions $RIZE for sustained growth and integration within the broader crypto ecosystem.

IBC Group: Strategic Marketing Partner

IBC Group is a premier blockchain marketing and project accelerator, delivering 3.5–4 billion monthly impressions through over 300 successful campaigns. Ranked among the world's leading marketing firms, IBC specializes in high-impact influencer campaigns, community building, and hosting global events tailored to blockchain initiatives.

With a proven track record of scaling blockchain unicorns and driving adoption for high-performing projects, IBC elevates $RIZE's visibility on a global scale. Through innovative marketing strategies, IBC connects T-RIZE to a broader audience, fostering user adoption and long-term engagement. By leveraging its expertise in branding and outreach, IBC ensures $RIZE achieves global prominence and sustained growth.

CJN (Citizen Journalism Network): Strategic Incubation Partner

CJN is a leading digital media group and venture incubator, producing impactful and timely content across platforms like X Spaces, YouTube, and Rumble. With a global reach and influential hosts engaging millions, CJN focuses on topics ranging from technology to finance, positioning T-RIZE as a pioneering solution in tokenization.

As an incubation partner, CJN provides strategic support in positioning, fundraising, and connecting T-RIZE with key stakeholders. This partnership boosts $RIZE's utility and adoption by enhancing its visibility and appeal to a wider audience. By integrating CJN's media expertise and incubation services, T-RIZE ensures the sustainable growth of its ecosystem, driving broader integration and adoption of tokenized real-world assets.

Kraken: TGE Exchange Listing Partner

$RIZE launched on May 15, 2025, on Kraken, a leading global exchange known for its regulatory compliance and institutional-grade standards. Kraken selected $RIZE for its exclusive REEF program—a curated launchpad highlighting the top 1% of the most promising projects across the digital asset ecosystem. This recognition affirms $RIZE's credibility, regulatory alignment, and long-term market potential.

As part of the launch, T-RIZE executed a targeted airdrop to strategic RWA token supporters, reinforcing alignment with communities most relevant to its ecosystem. The listing provides compliant access to investors across the U.S., Canada, and Europe, while offering heightened visibility to Kraken's most engaged user base. This partnership establishes a strong foundation for $RIZE's adoption, trading activity, and long-term growth within regulated markets.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Chainlink

T-RIZE Group leverages Chainlink's advanced solutions to enhance interoperability, transparency, and authenticity in its real-world asset (RWA) tokenization platform. With the integration of Chainlink's Cross-Chain Interoperability Protocol (CCIP), T-RIZE enables seamless cross-chain communication, ensuring tokenized assets can operate across multiple blockchain ecosystems. This empowers asset owners and investors with broader flexibility and access to decentralized markets.

T-RIZE also integrates Chainlink's Proof of Process and Proof of Origin solutions for quality-verified carbon credits. These tools provide immutable records that track the origin and lifecycle of carbon credits, ensuring traceability, authenticity, and compliance. By using these features, T-RIZE establishes itself as a trusted platform for transparent and high-quality tokenized carbon credits.

Canton Network

The Canton Network is the world's largest institutional Distributed Ledger Technology (DLT) network, comprising over 45 major financial institutions and facilitating $3 trillion in monthly transaction volume. As a node validator, T-RIZE gains direct access to this high-value financial ecosystem, empowering institutional-grade tokenization projects. This strategic position enables T-RIZE to seamlessly connect privacy-conscious institutions with its privacy-preserving machine learning solutions, enriching its data pool with high-value datasets.

This partnership significantly enhances T-RIZE's scalability and global adoption potential by ensuring interoperability with leading financial players. Canton's institutional-grade infrastructure supports the secure, private, auditable, and compliant management and trading of tokenized assets. Leveraging these capabilities, T-RIZE delivers enhanced privacy without compromising trust, reliability, or compliance, positioning itself as a key enabler in the evolution of institutional tokenization.

Republic

T-RIZE partners with Republic, an SEC-registered primary market distribution platform with a global community of over 3 million investors across 150+ countries. Republic connects T-RIZE's tokenized assets to a diverse and engaged audience, offering a seamless channel for raising capital and expanding access to investment opportunities.

With a track record of supporting over 2,500 ventures, including 31 unicorns, and deploying $2.6 billion+ in capital, Republic plays a key role in democratizing access to real-world asset investments. This partnership enhances T-RIZE's ability to reach both accredited and retail investors, improving liquidity and fostering greater participation in tokenized assets.

Texture Capital

T-RIZE has a strategic partnership with Texture Capital, a FINRA member broker-dealer specializing in digital securities, to ensure the compliant distribution of tokenized assets to the US market. Through this collaboration, T-RIZE leverages Texture Capital's SEC-registered Alternative Trading System (ATS) infrastructure to facilitate legally compliant investment opportunities for U.S. investors.

This partnership also expands T-RIZE's access to a diverse network of high-net-worth individuals, family offices, and institutional investors. By leveraging Texture Capital's established connections and market presence, T-RIZE enhances its investor base, providing a broader audience with access to its tokenized assets. Combined with Texture Capital's capabilities in marketing, investor outreach, and institutional distribution infrastructure, T-RIZE's fully integrated tokenization platform ensures a seamless investment experience for all parties involved.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Base

T-RIZE integrates with Base, an Ethereum Layer 2 solution, to scale the deployment of tokenized real-world assets (RWAs). By utilizing Base's infrastructure, T-RIZE achieves faster transactions, reduced costs, and improved scalability, making asset tokenization more efficient and accessible.

Through this partnership, T-RIZE taps into Base's growing ecosystem and user base, fostering the adoption of tokenized RWAs. This integration supports T-RIZE's broader mission of bridging traditional finance with decentralized technologies, delivering a seamless experience for asset owners and investors while expanding its market reach.

Avalanche

The engineering team at T-RIZE actively develops the Rizenet blockchain and contributes to the technological development of Avalanche. This effort bolsters the integration with the Avalanche ecosystem and broadens the accessibility of asset tokenization. By utilizing Avalanche's capabilities, known for its excellence in handling real-world assets, T-RIZE provides secure and efficient tokenization services.

T-RIZE's involvement in the Avalanche community includes sponsoring events and contributing to ecosystem development through strategic partnerships with leaders like Avalabs. These collaborative efforts enhance interoperability and support for real-world assets, accelerating the growth of Rizenet and expanding the T-RIZE ecosystem, thereby fostering innovation and delivering substantial value for the T-RIZE community.

Redbelly Network

T-RIZE is an early partner of the Redbelly Network. Originating from academic research backed by CSIRO and the University of Sydney, Redbelly has secured a substantial pipeline of assets, with signed contracts totaling over $73.8 billion USD, ready to be moved on-chain.

As part of this collaboration, T-RIZE will support and integrate with the Redbelly Network in multiple ways. T-RIZE will contribute additional assets to the platform, collaborate on marketing campaigns to raise awareness, and engage with users for testing to enhance the user experience. Joint initiatives will be undertaken to drive adoption and innovation in the blockchain space, leveraging the strengths of both T-RIZE and the Redbelly Network to foster growth and development in the industry.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Fireblocks

As a member of the Fireblocks network, T-RIZE is connected to over 1,800 institutional participants in the digital economy. This partnership grants access to advanced security infrastructure, which is crucial for the safe handling of digital assets. Integration into this network bolsters the security and reliability of the tokenization services offered by T-RIZE, placing them at the cutting edge of digital asset technology. Most importantly, it creates a direct channel to potential users, significantly broadening market reach and enhancing impact in the industry.

T-RIZE also gains access to Fireblocks' expanding suite of products, enhancing security and credibility with institutional clients through state-of-the-art secure wallet management solutions. Access to this extensive institutional network and broader market reach will help accelerate T-RIZE's growth substantially.

DFNS

DFNS is a leading provider of next-generation wallet infrastructure, offering advanced security solutions for the secure custody and management of digital assets. Through its partnership with DFNS, T-RIZE significantly strengthens its security framework, ensuring that tokenized assets on the platform are protected by multi-layered, robust defense mechanisms. DFNS's solutions provide T-RIZE's users with secure and seamless asset management across the digital landscape.

This integration allows T-RIZE to offer its clients peace of mind with strong security features, while supporting the platform's scalability. By leveraging DFNS's wallet infrastructure, T-RIZE can confidently expand its operations without compromising security, ensuring the safe custody of digital assets.

ERC3643 Association

T-RIZE is an early member of the ERC3643 Association, collaborating with over 100 leading firms and key stakeholders to set the standard for security tokens compliance. Comprising top law firms, financial institutions, technology providers, distribution exchanges, consultants, and tokenization platforms, the association supports robust tokenization and compliance frameworks. T-RIZE contributes to the association by participating in strategic projects and have a voice in governing the association's future direction.

Membership in the ERC3643 Association provides T-RIZE access to expert networks and a distribution network that has tokenized over $28 billion in security tokens. It offers early insights into regulatory changes and enables governance participation as a pioneer in the digital asset ecosystem. Furthermore, it facilitates connections with potential clients and technology partners, enhancing T-RIZE's market presence and operational capabilities.

Snapshot of the ERC3643 Association members



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Hashlock

Hashlock is an Australian blockchain auditing firm specializing in the security verification and auditing of smart contracts. Through its partnership with Hashlock, T-RIZE ensures that the smart contracts used on its platform and the Rizenet blockchain are rigorously audited for vulnerabilities. These audits are crucial for maintaining the security and integrity of T-RIZE's tokenization services, reinforcing long-term confidence from both investors and users.

Hashlock's thorough auditing process ensures that T-RIZE's smart contracts meet the highest standards of security, reducing risks of breaches or exploits. This partnership strengthens T-RIZE's commitment to providing a secure and trustworthy platform for managing and trading tokenized assets, ensuring the continued reliability of its blockchain infrastructure.

Other partnerships to be announced soon

CRYP2NOVA

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

RIZE TOKEN

Connect to Rizenet
The Central Hub for RWAs

Whether you're a developer, researcher, investor, asset owner, or blockchain enthusiast, there are numerous ways to engage with and contribute to the T-RIZE ecosystem.

For Developers
Dive into our developer resources (documentations, faucet, support channels) and start building your next breakthrough on Rizenet today.

For Investors
Gain exclusive early access to diversified investment opportunities by contacting T-RIZE.

For Asset Owners
Discover how to unlock the value of your asset. Book a demo today!

For the Community
Join us to make a significant impact democratizing quality investments access and help shape the future of asset tokenization.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4. Rizenet Utility Token

4.1 Introduction to the RIZE Utility Token

The RIZENET token ($RIZE) is a versatile ERC-20 utility token at the heart of the T-RIZE Tokenization Ecosystem. It is integrated into multiple aspects of the T-RIZE platform, including the Rizenet blockchain, decentralized machine learning (DML) services and various T-RIZE Labs R&D initiatives. Designed to evolve with the ecosystem, the token facilitates full participation in the emerging T-RIZE tokenized economy.

Why a Utility Token?

The full potential of interoperability and composability unlocked by tokenization cannot be realized by a single party alone. As T-RIZE Group prepares to onboard billions of dollars worth of real-world assets (RWA), it positions T-RIZE to effectively bootstrap a complete ecosystem for tokenized assets.

The $RIZE token is designed to increase the decentralization of this ecosystem, aligning all stakeholders through shared incentives. It aims to decentralize the decision-making process regarding the ecosystem of applications, ensuring every stakeholder's interests are represented.

In essence, $RIZE is a unifying force, fostering a collaborative tokenization ecosystem and enhancing value for all its members. By promoting decentralization and shared governance, $RIZE empowers a diverse range of participants to contribute to and benefit from the ecosystem's growth and innovation.

4.2 Token Use Within the Ecosystem

4.2.1 Tokenization Platform Interactions

Access and membership

RIZENET token holders can unlock exclusive platform features by engaging in a tiered membership system. Memberships are categorized into four levels—Platinum, Gold, Silver, Bronze—each requiring a specific amount of $RIZE to be locked in smart contracts. The locked amount is evaluated in fiat currency at the time of activation, with a 30-day commitment period allowing users to test premium features. After this period, tokens can be fully recovered, offering flexibility and low risk for users to explore the platform’s offerings.

- **Premium access :** Members gain early and exclusive access to new projects, with priority in asset allocation and increased shares in oversubscribed listings.
- **Membership perks :** Benefits escalate with higher tiers, ranging from basic perks to discounts and exclusive features, enhancing the user experience and engagement.

Payments for services

- **Tokenization fees :** Asset owners pay a fee based on the value of the tokenized asset.
- **Service payments :** Tokens could be used to pay for various services within the Service Providers Network and AI services.
- **Discounts on transactions** : Token holders benefit from reduced fees on secondary market transactions and lower costs for specific services on the platform and with partnered providers.
- **Payment for immutable e-signatures :** Document Issuers can pay with discount to use the US Patent-Pending web3 business communication protocol for immutable e-signatures. This payment covers the use of the service and the fees associated with document storage. Document Signers also make use of $RIZE to register their immutable signatures.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.2.2 Blockchain Operations

Gas Token Mechanics for the Rizenet Blockchain

Like most blockchains, the Rizenet blockchain requires the use of gas to process transactions. This gas fee mitigates the risk of network spam and ensures quick transaction processing. Although individual transaction costs are low, the chain's capacity to handle substantial transaction volumes means that the total fees accrued can be considerable.

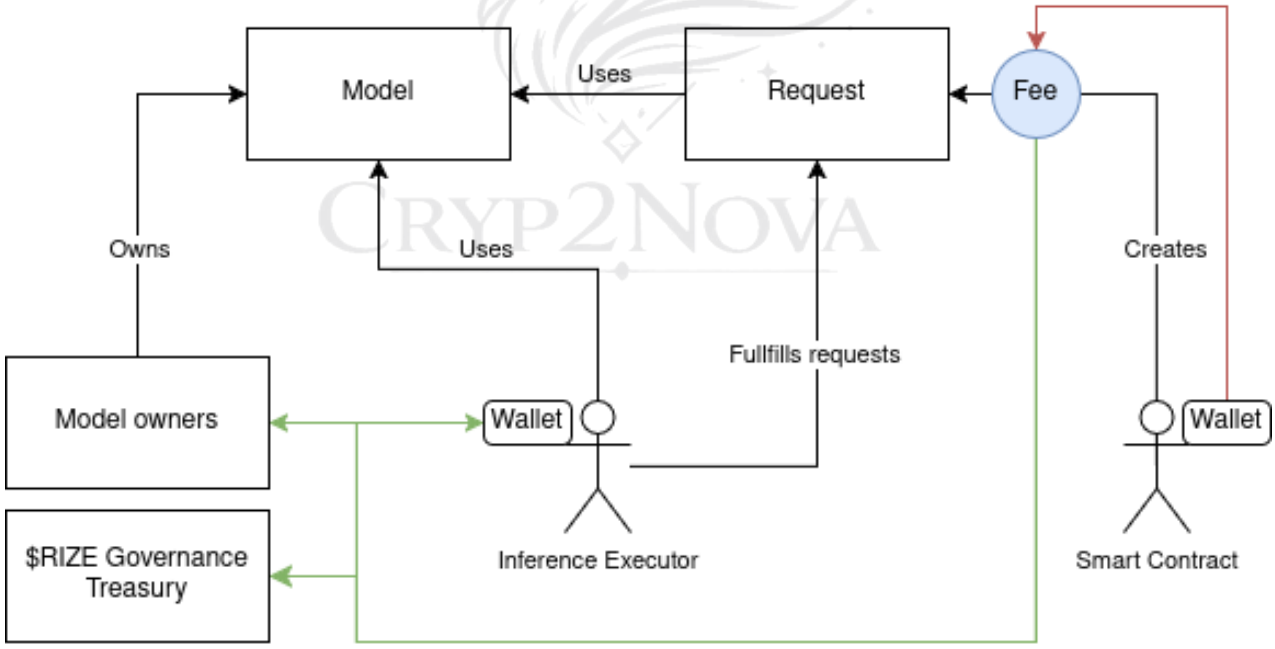
To ensure consistent and affordable transaction costs, Rizenet's validators can update the gas pricing mechanism to lower the gas paid, effectively counterbalancing the volatility of the $RIZE.

Decentralized Machine Learning Infrastructure

The T-RIZE advanced DML infrastructure significantly enhances smart contract capabilities, enabling off-chain inference requests from specifically defined models with the assurance of computation accuracy via zero-knowledge proofs (ZK-proofs) or optimistic inference. These proofs validate the computations without exposing the underlying data, ensuring privacy and security remain intact.

- **Fee structure and compensation :** Utilizing the DML services requires smart contracts to pay a fee, which compensates data owners, inference executors and governance bodies, creating a sustainable economic model for all stakeholders involved.
- **Monetization and incentivization** : Recognizing the substantial value of their datasets, we reward data owners who contribute to model training. This incentivization encourages continued participation and investment in the DML ecosystem.

Decentralized Machine Learning Fee Flow



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.2.3 T-RIZE Labs - Ecosystem R&D

T-RIZE Labs functions as the research and innovation core of the T-RIZE Group, akin to a blockchain foundation but with a sharp focus on driving technological advancements. Staffed by a team of dedicated engineers and researchers, including Ph. D.s and Postdoctorates in software and blockchain engineering, T-RIZE Labs spearheads the development and integration of cutting-edge technologies in tokenization and decentralized machine learning (DML).

Innovative funding and utility of tokens :

- **R&D support:** $RIZE tokens will supplement the lab's R&D funding budget. They can enable direct financial support for ongoing research projects, acting as grants that fuel innovation within the ecosystem. This financial mechanism ensures sustained investment in exploring new applications and enhancing existing technologies.
- **Payment for DML services :** Looking forward, the utility of $RIZE will expand to cover access to advanced DML services. These services will leverage the research outputs of T-RIZE Labs to offer sophisticated, AI-driven solutions that enhance the platform's capabilities, providing users with powerful tools for data analysis, risk management and decision-making

4.3 CarbonZero Foundation Company

The CarbonZero Foundation Company (the "Foundation") serves as the legal entity representing the governance. It acts as the responsible party in legal cases and other scenarios requiring a legal entity, thereby shielding investors from potential regulatory issues and liabilities. The Foundation is responsible for ensuring that all activities within the Rizenet network adhere to regulatory requirements.

Moreover, the Foundation can support the ecosystem's governance structure by facilitating the implementation of decisions made through community voting. This includes providing logistical and administrative support to ensure that governance processes run smoothly and efficiently.

The Foundation will operate in full transparency and provide regular disclosures on financial activities.

Airdrop Distribution

The Foundation will oversee token airdrops, to enhance network participation and reward community engagement.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.4 Governance Mechanisms

4.4.1 Overview of Governance

By integrating governance to direct the Rizenet blockchain development, we're decentralizing the decision-making processes in order to become a uniting force for users and service providers with a shared vision. The vision is to elevate Rizenet into a leading hub for institutional tokenization services, creating opportunities for collaboration and interoperability. This interconnectedness not only amplifies the benefits for stakeholders but also strengthens the network effect, driving collective growth.

Crucially, governance ensures that every stakeholder's voice is heard and their needs are met. We believe in harnessing the collective knowledge of the T-RIZE community, coupled with the transparency of open governance, to catalyze a powerful movement for tokenization. This inclusive approach empowers stakeholders to actively shape the future of the T-RIZE ecosystem, fostering innovation and resilience through decentralization.

4.4.2 Governance Use Cases and Limits

The governance’s long-term vision should be the decentralization and democratization of tokenization technology. This includes bringing tokenization to more markets and everyone, everywhere. This can be achieved by developing the ecosystem of providers building on Rizenet and its tokenization services.

Some examples of decisions which could be up to the governance :

- Funding new projects to build on Rizenet;
- Fund technological enhancements;
- Fund blockchain and ecosystem R&D;
- Offering incentives for external projects to integrate with the ecosystem;
- Distributing grants to support community-driven developments;
- Allocating liquidity farming rewards to stimulate network activity;
- Financing targeted marketing campaigns to broaden outreach and adoption;
- Token swaps to align incentives with other providers;

If a request involves a structural change, it is essential to obtain a legal opinion to ensure it does not inadvertently create a security token. Similarly, for certain governance votes, securing a legal opinion to confirm regulatory compliance is necessary. The costs associated with these legal checks will be covered by the governance treasury.

T-RIZE Group’s Role

On the other hand, T-RIZE Group’s vision is to become a pioneer of this open ecosystem specialized in tokenization. While we will be actively contributing to the ecosystem, we intend to stay a centralized entity in order to provide compliant services. The T-RIZE tokenization platform and its tokenization projects are exclusively governed and managed by the T-RIZE Group, independent of the governance mechanisms described in this section.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.4.3 Examples of Positive Value Community Proposal for Rizenet Governance



Ecosystem Promotion and Expansion

- **Listing $RIZE on centralized platforms :** Target specific, high-volume exchanges for listing to increase liquidity and market presence. Aim for listing on at least X major exchanges within the next year as voted by the community and the $RIZE budget to do so.
- **Launching a marketing campaign :** Execute targeted digital marketing campaigns across social media and crypto-focused community to increase user adoption, follower metrics and platform usage with $RIZE rewards and a $RIZE budget for marketing partnerships.
- **Expanding to new DEXs / supporting a new project / supporting a new blockchain :** Broadens the ecosystem's reach, liquidity and user base, enhancing global presence by attracting new projects or supporting a new blockchain.
- **Building partnerships :** Target and form strategic partnerships with key technology providers in the blockchain space to enhance the ecosystem's capabilities.



Community Engagement and Support

- **Add staking rewards to bonds:** Allocate part of the treasury to reward governance participants.
- **Developing a community grants program :** Allocate a budget of $RIZE annually to fund community projects that drive innovation and growth within the ecosystem.
- **Organizing community events :** Host quarterly virtual and annual physical community events to strengthen network connections and collaboration.
- **Establishing a community advisory board :** Form a board of five to seven community-elected members to facilitate regular feedback and input on development directions.
- **Launching a loyalty program :** Introduce a loyalty program that rewards users based on transaction volume and duration of token holding.
- **Creating educational resources :** Hire a third-party to develop a comprehensive online learning hub with tutorials and webinars aimed at reducing entry barriers for new users. Mandate to be assigned according to community vote.



Development Incentives

- **Launching a developer fund :** Establish a fund of $RIZE to support developers creating decentralized applications on Rizenet over the next two years with a list of preferred dApps, service and platform support. (i.e. Compliance, Custody, DEX, Identity, Interoperability, Marketplace, Reporting, Security, Staking, Tokenization, Wallets)
- **Launching a bug bounty program :** Offer a rewards program in $RIZE for critical vulnerability discoveries to incentivize proper disclosure of issues.
- **Onboarding incentives :** Create a structured incentive program that rewards the first 50 projects integrating or tokenizing assets on Rizenet with reduced fees and technical support.

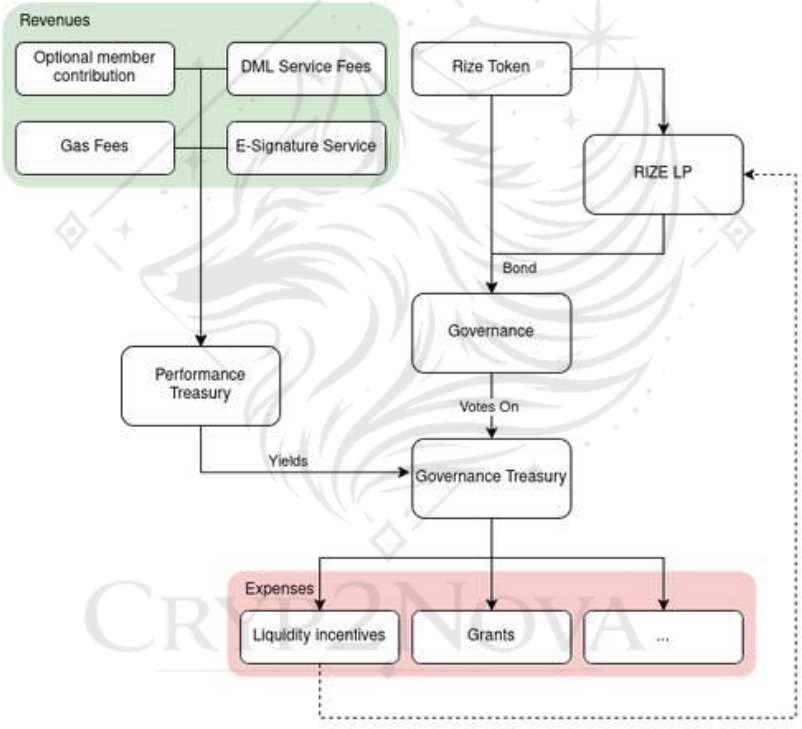
CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.4.4 Token Dynamics and Governance Treasury Management

The governance will manage a treasury to which will be allocated 30% of the supply during the token generation event. The governance and its treasury are dedicated to promoting tokenization and expanding the ecosystem. This treasury is essential for supporting initiatives that drive the ecosystem's growth, such as financing new projects, providing marketing support and offering incentives to boost community engagement.

To access these funds, a governance proposal must be submitted and approved. Each proposal should clearly outline the intended use of the funds and outline the process for selling the $RIZE allocation to finance the initiative.

To ensure the sustainability of the governance treasury, fees from the various decentralized services are directed to the treasury. These revenues will benefit all stakeholders by empowering the governance to drive growth and success across the network.

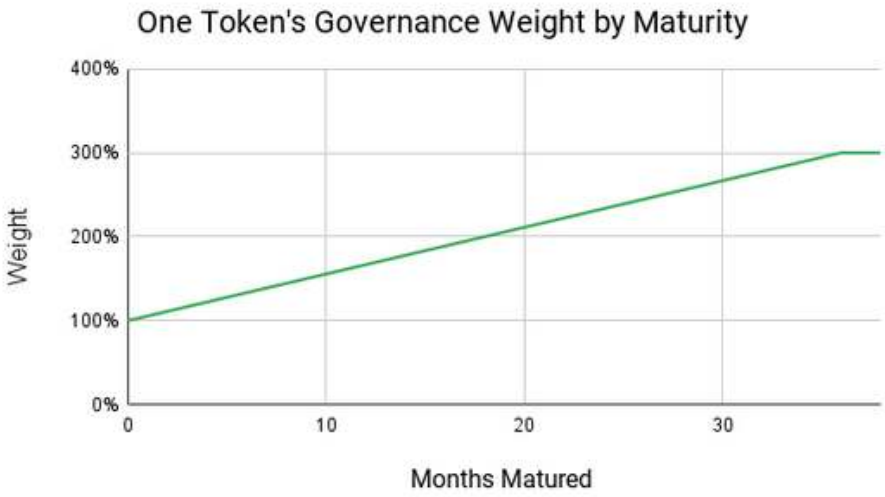


4.4.5 Maturity-Adjusted Voting Weights

The governance framework is designed to foster long-term commitment and appropriately reward stakeholders for their sustained engagement. To achieve this, we have implemented a maturity-adjusted voting system based on token balances. In this system, the voting weight of each token increases with the duration of its engagement, referred to as maturity. At the end of the vote, all weights are summed up, and the option with the highest total weight wins.

The voting weight of the RIZENET token increases linearly each month for 36 months until it reaches its maximum maturity, at which point it has three times its initial weight. This scaling means that a newcomer to governance would need to acquire three times the number of tokens to match the voting power of one fully matured token.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com



Unlike traditional token locking, which reduces token liquidity and potentially lowers market value, maturity-adjusted voting enhances the value of matured tokens by increasing the influence of long-term stakeholders. This mechanism ensures that long-term participants have a greater say in governance decisions, creating a positive incentive for stakeholders to remain engaged and committed to the governance process.

Moreover, the maturity-adjusted voting weights system extends beyond voting. It can also influences the calculation for staking rewards (if it becomes applicable), airdrops, and community rewards, where long-term holders are further rewarded for their loyalty to the ecosystem. For example :

- **Staking rewards :** Tokens that are held longer could earn higher yields or additional rewards.
- **Airdrops :** More mature tokens could qualify for larger airdrop allocations.
- **Community rewards :** Contributions from members holding more mature tokens might receive greater recognition and rewards, acknowledging their prolonged support and contribution to the ecosystem.

4.4.6 Participating in Governance

Stakeholders initiate their participation by bonding tokens into the governance smart contract, which records the duration of the bond and continuously increases voting weight over time. Bonded tokens are represented as soul-bound NFTs on the blockchain, which may be made tradable at the governance's discretion to facilitate the transfer and sale of bonded tokens. The governance will be able to distribute governance NFTs using RIZE tokens from the governance treasury with cliff and vesting periods enforced by a smart contract. While the NFT will have all the tokens voting weight, it won’t be possible to release unvested tokens from the NFT. This can be useful for governance to align different stakeholders and ensure long term commitment to the ecosystem when onboarding new service providers.

Stakeholders can choose to unbond at any time, which involves burning the NFT to release the bonded tokens back to the user. To promote responsible decision-making, an unbonding period is enforced. This period is designed to ensure that stakeholders remain engaged long enough to experience the outcomes of their governance decisions.

Governance vote delegation

A stakeholder will have the ability to delegate its governance weight to another stakeholder in order to have a more hands off approach which increases governance participation. The delegator always has the option to cast his vote himself if he disagrees with his delegate.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

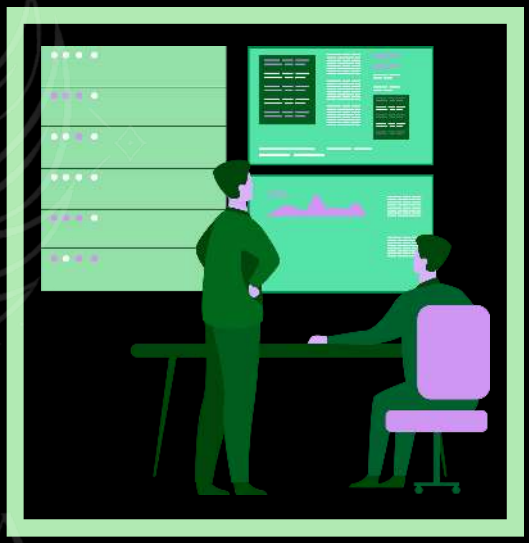
4.4.7 Off-chain Governance Process and Security

It is crucial to add safeguards to the governance to ensure the process is democratic, efficient and robust. First of all, it is important to foster discussions in the community in order to surface all relevant information. For this reason, a forum will be open to all community members in order to discuss and coordinate on initiatives and to formulate new governance proposals. The forum will be moderated, but anyone will be welcome to post.

The governance proposal life-cycle will be composed of three major steps :

1. Initial community feedback in a "Request for Comments" forum post

The "Request for comments" phase is to prepare a proposal. Indeed, the proposer can gather initial feedback and gauge interest in the proposal, before it becomes official. This also serves as the first opportunity to filter proposals which lack development, are poorly formulated or ill intentioned. At this stage, the community can say they are not interested and stop the process from going further. A lack of engagement, can also signify a lack of support which implies that a quorum likely won't be achieved on the proposals.



2. A governance proposal on the official governance platform

Once the proposal is well-defined and has received enough interest from the community, it will be pushed to the official governance platform (i.e. snapshot.box) where the entire community can cast their final vote. Only trusted members will be allowed to post proposals on the governance platform. Those trusted members will endorse the proposal and follow strict guidelines to ensure the proposal contains accurate, unbiased and relevant information. The proposal will be open for a period of time which can vary based on its importance.

3. The MS committee executes the proposal

There are three possible outcomes for a proposal : quorum was not met, refused or accepted.
Only the latter outcome will be executed by the MS committee. The committee has a veto of last resort in order to prevent any malicious or illegal proposals which could have escaped the previous safeguards. A malicious proposal can be defined as value extractive, going against the common good of the protocol or to cause indisputable harm to token holders. An illegal proposal is one that violates applicable laws or regulations, such as those concerning international trade and sanctions.

In summary, the process will mitigate abuse by ensuring proposals are relevant and well formulated to the community before being officially proposed.

After the official vote is closed, the MS committee will ensure the outcome of the proposal is respected and not a direct threat to the ecosystem.

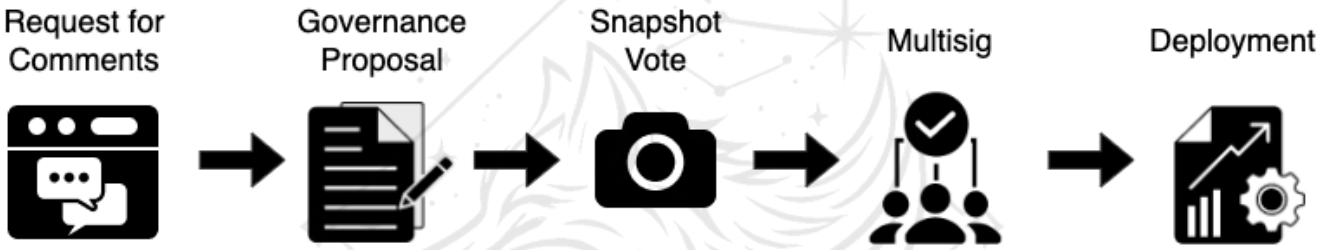
CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.4.8 The MS Committee

The MS committee oversees the Multi-Signature wallet which has the ability to update the smart contracts and enforce proposals onchain. This committee will be composed of T-RIZE Group contributors at first and aim to progressively decentralize it through elections of new members as reliable contributors emerge in the community. The Multi-Signature wallet will be configured to require signatures of at least half of the members before executing onchain actions.

The ½ signature requirements implies the committee has the ability to veto a proposal if more than half of the members refuse to sign. They should always respect the outcome of the proposal, but it can be useful as a last line of defense from malicious proposals. Finally, they can also execute emergency actions to mitigate vulnerabilities or catastrophic system failure.

Recap of governance process



CRYP2NOVA

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

4.5 Token Issuance

Rizenet Token Summary

Public Sale Price : $0.02

Ticker symbol	RIZE
Blockchain	Released on Base
Token standard	ERC-20
Total Supply	5,000,000,000
Governance Supply	1,500,000,000
Initial Circulating Market Cap	$27M
Fully Diluted Value (FDV)	$100M
Token type	Utility, Governance Token
Foundation	CarbonZero Foundation Company
TGE Management Company	CarbonZero Corporation
Inflation policy	No additional tokens will be minted, ensuring a fixed supply.
Diamond hands voting power	Voting power increases linearly each month for 36 months, tripling at full maturity.
Vesting schedule	Vesting occurs continuously, allowing you to withdraw tokens as they become available, when applicable.
Smart Contract Auditor	Audited by Hashlock; View Audit Report

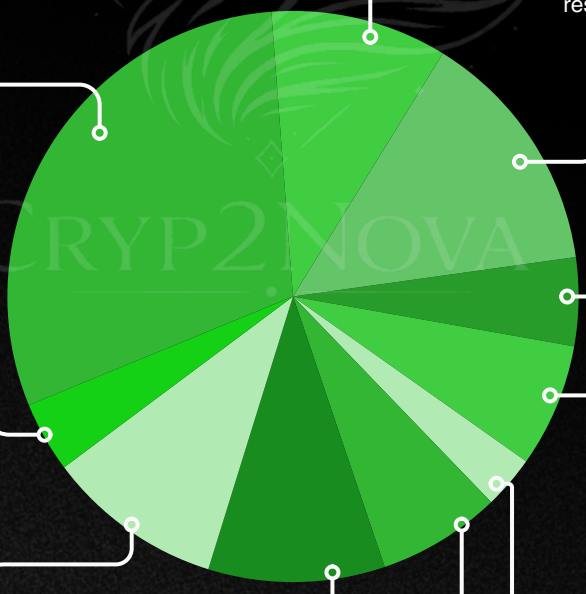
CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Token allocation

The token allocation and vesting schedule are structured to support the long-term growth and adoption of the RIZE token economy. Vested allocations will be distributed as bonded governance NFTs, enabling stakeholders to participate in governance and accrue maturity from the start. Below is the breakdown of the 5 billion $RIZE token supply:

Allocations		Tokens	Cliff (in months)	Vesting (in months)
Category 1 - Seed	5%	250,000,000	6	12
Category 2 - Partnerships & Growth *	7%	350,000,000	6	12
Marketing & Incubation	3%	150,000,000	3	9
Private Sale	7%	350,000,000	-	-
Strategic Reserve *	10%	500,000,000	0	12
Liquidity	10%	500,000,000	-	-
Airdrop	4%	200,000,000	1	6
Governance	30%	1,500,000,000	12	36
Treasury	10%	500,000,000	-	-
T-RIZE Team	14%	700,000,000	24	24
TOTAL	**100%**	**5,000,000,000**		

Note : TGE is targeted for 2025. The cliff and vesting for *Partnerships & Growth* and *Strategic Reserve* are minimum terms and may vary based on partnership agreements.



Treasury (10%)
Fully unlocked for strategic initiatives and ecosystem growth, with no cliff or vesting restrictions.

Governance Treasury (30%)
Allocated for decentralized governance, with a 12-month cliff and 36-month vesting to support long-term ecosystem participation.

T-RIZE team (14%)
Allocated to the T-RIZE team, with a 24-month cliff and 24-month vesting to ensure long-term alignment with project success.

Seed (5%)
Allocated to early investors supporting the project's foundation, with a 6-month cliff and 12-month vesting to align with long-term growth.

Airdrop (4%)
Designed to foster community engagement, with a 1-month cliff and 6-month vesting to encourage sustained participation.

Partnerships & Growth (7%)
Distributed to strategic partners and marketing, with a minimum term of 6-month cliff and 12-month vesting to support long-term initiatives.

Liquidity (10%)
Allocated to liquidity pools on decentralized exchanges (DEXs) to enhance market depth and minimize price volatility.

Marketing & Incubation (3%)
Reserved for TGE-related activities, with a 3-month cliff and 9-month vesting to facilitate exchange listings and initial adoption.

Strategic Reserve (10%)
Allocated for OTC, accumulation, and CEX/DEX listings with a minimum 12-month vesting period. Specific cliff and vesting terms may vary based on market conditions and strategic needs.

Private Sale (7%)
Allocated to select strategic investors to support ecosystem growth, with consideration for long-term alignment.

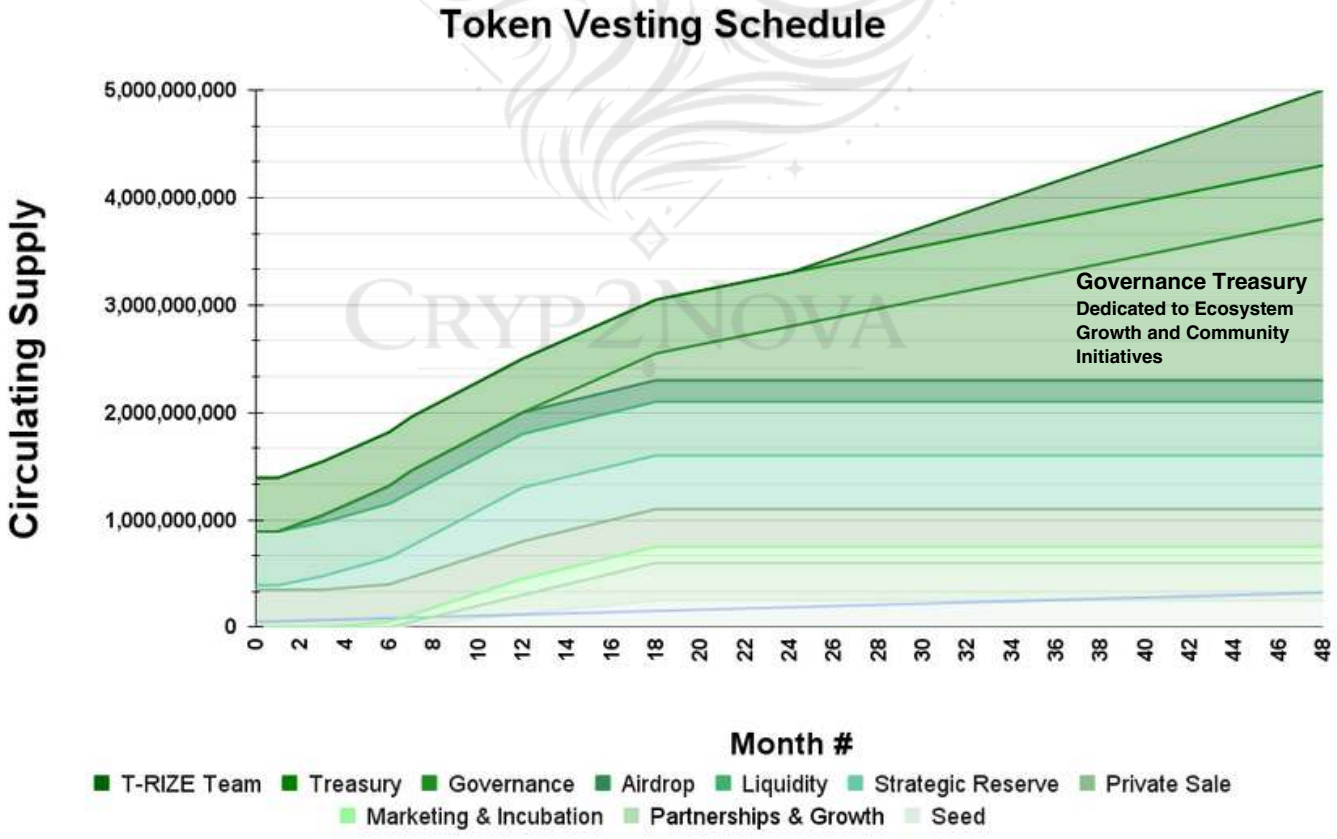
CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Token circulation and utilization of funds

- **Initial circulation :** At launch, only tokens from the public sale, market making, and liquidity allocation will be in circulation, ensuring a stable initial float. Treasury funds (Ecosystem R&D) will be unlocked but earmarked exclusively for long-term development and ecosystem growth.
- **Development and operations :** Proceeds from token sales are strategically allocated to expand the RIZE ecosystem, the T-RIZE platform, and Rizenet.
  - Private sale funds focus on expanding commercial reach, securing partnerships, and refining engineering capabilities.
  - Public sale funds support operational expenses, regulatory compliance, and marketing to drive adoption and platform growth.
- **Community building :** Airdrops are strategically used to incentivize participation and engagement on social media, boosting user activity and adoption while supporting broader community-building efforts through campaigns, user rewards, and social engagement initiatives.

Governance and Engagement

- **Token bonding for governance :** Stakeholders can bond their tokens to participate in governance, with a maturity model that enhances voting power the longer tokens are held. This model fosters stable, long-term decision-making and aligns stakeholders with the platform's future.
- **Engagement :** The 30% governance reserve, although not immediately circulating, is earmarked for future needs as dictated by community governance votes, ensuring it supports long-term platform objectives and strategic developments.



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

5. Development Roadmap*

This roadmap details the development of the T-RIZE tokenization platform and Rizenet blockchain, focusing on real-world asset (RWA) tokenization, decentralized AI, and regulatory-compliant financial infrastructure. By integrating institutional-grade tokenization tools with Decentralized Machine Learning (DML) for asset intelligence, it enhances market efficiency, liquidity, and risk management.

Each phase builds on technological advancements, regulatory adoption, and strategic integrations, ensuring security, scalability, and compliance. The roadmap also outlines community engagement initiatives, including partnerships, educational programs, and ecosystem incentives, to drive adoption and expand the platform's reach.

T-RIZE Platform

Phase 1 - Completed Initiatives

Platform development and testing :

- **MVP Release**: Q1 2023
- **Alpha Release**: Q2-Q3 2023
- **Closed Beta Launch**: Q4 2023
- **Testing & Refinement**: Q1 2024 - Q4 2024
- **Platform 1.0 Early Access Launch**: Q1 2025

Core Assets Supported :

- **Real Estate**: Land, existing properties, and new developments
- **Private Credit:** Tokenized loans and mortgages
- **Carbon Credits**: Verified high-quality credits for decarbonization initiatives
- **Funds:** Tokenized managed funds.
- **Entertainment**: Intellectual properties.

UI/UX Design :

- Quick Sign in with Google and Coinbase accounts
- Walletless user experience
- Institutional platform workflow

Infrastructure :

- Security and wallet infrastructure
  - Fireblocks MPC for non-custodial wallet solution, enhancing security without traditional key management
  - Developed multisig system and transaction authorization policy for increased security
- Node infrastructure provider - Ankr
- Security token distribution - Integrated with Texture Capital, a SEC-registered, FINRA-member regulated ATS
- Deployment of a Canton Validator Node on the Canton Network, institutional privacy-enabled blockchain

Integrations :

- Payment gateways for fiat (CAD, USD) and stablecoins (USDC)
- Oracle integration with Chainlink for real-time data functionalities including Proof of Reserves, Proof of Process, and Proof of Origin
- Major blockchain networks (Base, Ethereum, Avalanche and Redbelly)
- Canton Utility, for tokenizing assets on the Canton Network
- KYC/KYB/AML service providers

Smart contract development :

- Security tokens
  - Developed equity, debt, royalty, and construction tokens
  - Developed verified high-quality carbon credit process.
  - Integration with the audited ERC-3643 standard for on-chain compliance
- RIZE Token
  - Developed custom governance soul-bound NFTs
  - Added Avalanche ecosystem interoperability with Avalanche Teleporter
  - Added Multichain support with Chainlink's Cross-Chain Interoperability Protocol (CCIP)
  - Governance Smart contracts audits by Hashlock

*** Note:** The roadmap is dynamically evolving, reflecting T-RIZE's commitment to adapt in response to emerging technological advancements, shifting market dynamics, and valuable community feedback.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Phase 2 - Official launch and core features rollout

Access tiers :
Introduce tiered access based on RIZE holdings, unlocking reduced transaction fees and early asset listing access.

Utility :
Enable RIZE as a payment method for tokenization services on the platform.

Trading :
Integrate with compliant ATS platforms, broker-dealers, and DeFi projects to facilitate regulated secondary market trading and enhanced liquidity solutions through exchanges or liquidity pools.

Services :
Incorporate service providers network into the platform to help add value to assets.

API :
Deploy APIs for Token Workshop, facilitating security token creation, compliance automation, and third-party integrations.

Mobile :
Launch a mobile version of the platform for on-the-go portfolio management and trading.

Phase 3 - Advanced product offerings and security

Lending protocol :
Enable RWAs as collateral through integration with borrowing and lending protocols on supported blockchain networks, supporting institutional lending pools with a compliance-aware liquidation mechanism that ensures assets are transferred only to verified buyers.

Web3 communication :
Deploy a Web3-native encrypted messaging system for secure investor communications, transaction signing, and file sharing, integrating wallet-based authentication and DID support.

Immutable e-signatures :
Launch a Web3-based legally binding e-signature services for secure and verifiable contract execution.

Data analytics :
Integrate real-time onchain and offchain asset performance tracking and risk assessment tools, leveraging oracles and API integrations to support institutional portfolio management.

DML (Decentralized Machine Learning :
Deploy decentralized machine learning (DML) models for risk management and anomaly detection in tokenized asset markets.

Security enhancements :
Achieve SOC2 compliance, with ongoing audits to validate security practices and regulatory alignment.

Security Tokens :
Enable institutional-grade confidentiality for token holdings while ensuring auditability for regulators.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Blockchain - Rizenet

Phase 1 - Testnet Launch and Initial Validation (Launched Q1 2024)

- Validate functionalities and measure performance
- Conduct comprehensive security testing, including threat modeling, penetration testing, and anomaly detection.
- Define standard operational procedures for validator node operators
- Deploy and test DML infrastructure for onchain AI model aggregation and distribution.
- Test interoperability with the Avalanche ecosystem using the Teleporter bridge.

Phase 2 - Mainnet Launch and Core Features

- Launch Rizenet mainnet with 5 to 10 initial permissioned validators
- Enable validator onboarding through governance
- Integration with Chainlink CCIP for cross-chain asset transfers and data verification.

Phase 3 - Scaling and Advanced Features

- Expand validator network dynamically based on TVL growth.
- Optimize performance using Avalanche's HyperSDK, enabling customized execution for DML supporting advanced use cases.
- Enhance cross-chain interoperability, improving liquidity and tokenized asset distribution.

Decentralized Machine Learning

Phase 1 - Initial framework

- System architecture
- Framework Design
- Aggregation methodology

Phase 2 - Proof of concept

- Launch proof of concept related to asset valuation
- Onchain trainer management with web3 based authentication
- Tokenized ownership of models
- Trainer compensation based on contribution
- Improved privacy with smart differential privacy
- Customizable usage fees
- Participation in the Avalanche InfraBUIDL (AI) program for projects that fuse artificial intelligence (AI) with decentralized infrastructure

Phase 3 - DML beta launch

- Launch of open DML BETA
- Verifiable contribution calculation to ensure proper compensation
- Verifiable inference to guarantee correct off-chain inference
- Multi-disciplinary integration of AI models to optimize tokenized assets, such as lending markets
- Customizable usage fees & Revenue sharing mechanism
- SOC2 and ISO/IEC 27001 certifications

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Community initiatives and engagement

Phase 1 - Foundation and early partnerships

Partnerships :

- Joined ERC-3643 Association (August 2023).
- Founding member of Avalanche Canada (Q1 2024).
- Integrated Fireblocks Network for institutional-grade custody solutions (Q1 2024).
- Launched first university validator to support decentralized research (Q2 2024).
- Secured liquidity provider and marketing partners (Q4 2024).
- In progress: Securing launchpad and exchange partnerships to facilitate liquidity for the TGE.

CarbonZero Foundation Company :

- Incorporation in Q3 2024 to support community initiatives and decentralized governance.

Phase 2 - Community growth

Educational Initiatives :

- Developer bootcamps and tutorials to accelerate Rizenet adoption.
- Investor education on tokenization, market structures, and institutional integration.
- Industry-focused Spaces, AMAs, and technical workshops.

Community engagement programs :

- Partnerships with universities to advance blockchain, RWA and DeAI research.
- Ambassador Program: Onboarding key contributors to expand community reach.
- Early Adopter Program: Incentivizing users to test new platform features.
- Airdrop Campaign: Managed via Zealy quests to drive targeted engagement.

Ongoing social media engagement :

- Consistent content strategy on X to maintain community visibility.
- Active engagement across X, Telegram, and Discord to foster discussion.
- Interactive campaigns: Contests, Spaces, AMAs, and live Q&A sessions.

Phase 3 - Sustainable growth

- **Platform expansion tools** :
  - Launch of public API and tokenization SDK to enable third-party integrations.
- **Service providers network** :
  - Facilitating an open network of trusted service providers to help asset tokenization.
  - Reputation system where users assess providers based on reliability and past performance.
- **Ambassador & Incentive Programs** :
  - Expansion of regional ambassador initiatives tailored to local communities.
  - Gamified incentive system to drive sustained participation.
- **Governance and ecosystem development** :
  - The RIZE token facilitates decentralized governance, allowing stakeholders to allocate the governance treasury toward:
    - Subsidizing tokenized assets and increasing TVL.
    - Attracting dApps and incentivizing builders.
    - Rewarding community participation and engagement initiatives.
  - Broaden the Multi-Signature Committee to include a diverse range of stakeholders and experts.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

6. Team



Madani Boukalba

Co-Founder & CEO, Chairman, T-RIZE Group

Madani brings over 15 years of institutional experience in capital markets. As a former Senior Trader at CDPQ, he specialized in risk analysis, market strategies, and tokenization technologies. At CDPQ, he was renowned for establishing industry benchmarks and driving strategic innovation. Madani's leadership at T-RIZE is pivotal in integrating real estate and private credit into cutting-edge blockchain solutions.



Professor Kaiwen Zhang

Chair holder of the T-RIZE Research Chair at ÉTS

Professor Kaiwen Zhang serves as a professor at ÉTS Montréal where he specializes in Software and IT Engineering. Holding a Ph.D. from the University of Toronto, he also completed an Alexander von Humboldt postdoctoral fellowship in Computer Science at the TU Munich from 2015 to 2017. He leads pioneering research in blockchain technologies focused on tokenization, federated learning, and distributed systems. His significant contributions to major conferences like IEEE ICDCS and ACM Middleware have helped set industry standards.



Eduardo Furtado, M.Eng.

Founding Partner & Head Technology, T-RIZE Group

Eduardo is an expert in Distributed Ledger Technology, Cyber Security, and complex systems architecture. He began his tech journey more than 20 years ago and holds a Bachelors degree in Computer Science and Master's degree in Software Engineering.

Eduardo is recognized for his hands-on expertise in full-stack development, software design, innovative blockchain applications that significantly impact the industry, and for being a polyglot in human and computer languages.



Thien Duy Tran, M.Sc. CFA, CAIA

Founding Partner & Head Product Strategy, T-RIZE Group

Thien, a CFA and CAIA charterholder with a Master's in Financial Engineering, brings over 15 years of experience, including 10 years in institutional finance as an investment consultant for pension funds, foundations, and endowments. His expertise spans strategic asset allocation, financial modeling, and market research. Over the past five years, he has specialized in Web3, DeFi, and RWA tokenization, leveraging his financial expertise and emerging technologies to develop innovative product strategies that bridge traditional finance and blockchain-based solutions.



Michael Duchesne, M.Eng.

Founding Partner & Head of WEB3 & AI, T-RIZE Group

Michael holds a Master's degree in Software Engineering from ÉTS. He focuses on Machine Learning and blockchain, particularly in Federated Learning and Decentralized Finance (DeFi). Michael combines his practical experience and theoretical knowledge to restore data ownership and solve critical data privacy challenges while unlocking innovative business use cases.



Helmi Trabelsi, M.Eng.

Senior Blockchain Engineer, T-RIZE Group

Helmi brings over seven years of specialized blockchain experience from École de Technologie Supérieure. His work includes enhancing Hyperledger Fabric to improve system efficiency and security, and he has been instrumental in developing advanced personal data tokenization systems.



Yahya Shahsavari Ph.D

AI & DLT Technology Architect, T-RIZE Group

Dr. Yahya Shahsavari is an esteemed expert in cybersecurity, AI, and blockchain. After earning his Ph.D. from ÉTS and serving as a postdoctoral researcher at the University of Montreal, he has made notable contributions to the industry as a distinguished reviewer for IEEE and consultant, leveraging his academic expertise to tackle complex challenges.



Mikaeil Mayali, M. Eng.

AI engineer, T-RIZE Group

Mikaeil brings 4 years of experience in blockchain and decentralized machine learning, specializing in federated learning and blockchain analysis. Holding a Master's in Software Engineering from ÉTS, he focuses on onchain federated learning at T-RIZE Group. Proficient in LLMs, TypeScript, and Python, He is an Honor Student and published researcher exploring AI applications in blockchain, including Bitcoin transaction analysis.

CARBONZERO FC @ 2025 All Rights Reserved

Archived copy · cryp2nova.com

T-RIZE Strategic Stakeholders



Danick Dufresne, Civil Eng.

Co-Founder & Board Director, T-RIZE Group

Danick merges significant hands-on construction experience with expertise in complex engineering challenges. His entrepreneurial spirit has led to founding multiple companies, fostering innovation and driving advancements in the construction industry.



Daniel Bisaillon

Board Director, T-RIZE Group

Daniel has over 25 years of institutional experience in capital markets, specializing in strategic partnerships and market dynamics. As Head Trader at CDPQ with over CAD 430B in assets under management, he plays a crucial role in developing strategic alliances and implementing significant financial initiatives. His extensive institutional network and his expertise in navigating market complexities is now instrumental in advancing T-RIZE's financial strategies.



Etienne Phaneuf

Strategic Advisor - Institutional Infrastructure, T-RIZE Group

Etienne has over 25 years of experience in finance and technology for financial institution, and is currently CEO of ArchES Computing Systems. His 19-years leadership as former ITG Canada President and his expertise in FPGA-based hardware have been crucial in major strategic projects, focusing on bridging technology and finance through innovative infrastructure solutions.



Amine Radhouane, M.Sc., CFA

Strategic Advisor - Real Estate & Capital Structure, T-RIZE Group

Amine brings over 15 years of institutional financial expertise, holding a Master's in Financial Engineering and CFA credentials. He specializes in strategic asset allocation, financial modeling, and complex challenges in commercial real estate and private credit financing. Previously, he served as a Credit Director at Otéra Capital (CDPQ), a major North American institutional player in commercial real estate debt, managing assets exceeding CAD 30B. His great analytical skills and risk management skillset are crucial in driving T-RIZE's initiatives, particularly in the MENA region.

Legal and Tax Advisory



Pascal Thibodeau
Tax and Corporate Lawyer

Board Director, T-RIZE Group

Attorney Thibodeau, co-founder of EKITAS Lawyers & Tax Advisors, brings over 25 years of expertise in Law and Tax Advisory. Specializing in corporate reorganizations, tax law, transaction and project financing, he delivers strategic legal solutions that drive business success across various sectors.



Jeremy Larente, LLB, MBA

General Counsel, T-RIZE Group

Attorney Larente, specializing in corporate restructuring and tax planning, brings a focused approach to mergers, acquisitions, and optimizing fiscal structures at T-RIZE. Holding an LLB and an MBA from Université de Sherbrooke, his ongoing study for a Master's in Taxation is enhancing his ability to navigate complex tax laws effectively.

Branding



Isabelle Godin

Head of Branding T-RIZE Group

Isabelle has over 15 years of branding and marketing experience, leading strategic initiatives that position T-RIZE prominently in the financial sector. She specializes in elevating brand visibility and market impact, contributing to significant growth in brand equity.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Marketing and HR



Andrée-Anne Godin

Organizational Resources Strategist, T-RIZE Group

Andrée-Anne brings a decade of HR expertise, focusing on transformative strategies that enhance talent management and organizational efficiency. She aligns HR practices with business goals, significantly improving workforce engagement and operational excellence.



Raghda Selmi

Marketing and Design Coordinator

Raghda excels in UX/UI design, with a deep understanding of user needs, enhancing T-RIZE's digital interfaces for optimal user engagement. With three years of experience, she help with the coordination of marketing efforts, ensuring campaigns are both aesthetically compelling and sound, leading to measurable engagement.

T-RIZE LAB - T-RIZE/ÉTS INDUSTRIAL RESEARCH CHAIR

Professor Kaiwen Zhang, an industry leader in blockchain and decentralized systems, has developed cutting-edge energy management solutions with a major player in Canada's hydroelectric power. His expertise also extends to presenting carbon credit strategies in Japan. As Chairman of the T-RIZE/ÉTS Industrial Research Chair, he leads a team of several PhD and postdoctoral researchers focused on sustainable blockchain applications. He is also the Chairman and Managing Director of T-RIZE Lab.

T-RIZE Lab

University-backed industrial research Chair on Tokenization



CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

RIZE TOKEN

Let’s Make the Difference

Stay informed on the latest advancements in real-world asset tokenization and onchain intelligence.

Visit **www.t-rize.io** and **www.rizenet.io** for updates on projects, ecosystem developments, and community initiatives.

Join discussions on Telegram and Discord, and follow X for industry insights, AMAs, and real-time updates.

Collaborate, innovate, and build together the next era of tokenized assets, onchain intelligence, and decentralized finance together.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Notice and Disclaimer

Important Note

PLEASE READ THE ENTIRETY OF THIS "DISCLAIMER" SECTION CAREFULLY. NOTHING HEREIN CONSTITUTES LEGAL, FINANCIAL, BUSINESS OR TAX ADVICE AND YOU SHOULD CONSULT YOUR OWN LEGAL, FINANCIAL, TAX OR OTHER PROFESSIONAL ADVISOR(S) BEFORE ENGAGING IN ANY ACTIVITY IN CONNECTION HEREWITH.

Nothing in the Rizenet Utility Token Whitepaper (”The Whitepaper”) is an offer to sell, or the solicitation of an offer to buy, any tokens, nor is it intended to form the basis for any investment decision in any jurisdiction worldwide or provide any specific recommendations. The information may not be complete and does not create any contractual obligations. The Rizenet Team (”Rizenet Team”) cannot guarantee the accuracy of the information provided and no guarantees, warranties or undertakings are made regarding its completeness.

The Rizenet team is publishing The Whitepaper solely to receive feedback and comments from the public. If and when the Rizenet Team offers for sale any tokens (or a Simple Agreement for Future Tokens), it will do so through definitive offering documents, including a disclosure document and risk factors. Those definitive documents also are expected to include an updated version of The Whitepaper, which may differ significantly from the current version. If and when the Rizenet Team makes such an offering in the United States, the offering likely will be available solely to accredited investors.

To the maximum extent permitted by law, the Rizenet Team expressly disclaims any and all responsibility for any direct or consequential loss or damage of any kind whatsoever arising directly or indirectly from: (i) reliance on any information contained in The Whitepaper, (ii) any error, omission or inaccuracy in any such information or (iii) any action resulting from such information.

Cryptocurrency Industries and Market-based Risks

Nothing in The Whitepaper should be treated or read as a guarantee or promise of how the Rizenet Team business or the tokens will develop or of the utility or value of the tokens. The Whitepaper outlines current plans, which could change at its discretion, and the success of which will depend on many factors outside the Rizenet Team’s control, including market-based factors and factors within the data and cryptocurrency industries, among others. Any statements about future events are based solely on Rizenet Team’s analysis of the issues described in The Whitepaper. That analysis may prove to be incorrect.

Risks Associated with a Blockchain Protocol

Because the Rizenet token (“RIZE”) is built on the Avalanche blockchain protocol, any malfunction, breakdown or abandonment of the protocol may have a material adverse effect on the Rizenet network or RIZE. Moreover, advances in cryptography, or technical advances such as the development of quantum computing, could present risks to RIZE, by rendering ineffective the cryptographic consensus mechanism that underpins the protocol.

Risk of Validator Attacks and Hacking

As with other decentralised cryptographic tokens based on blockchain protocols, RIZE might be susceptible to attacks by validators in the course of validating the Rizenet transactions, including, but not limited, to double-spend attacks, majority stake power attacks, and selfish-validation attacks. Any successful attacks present a risk to RIZE, including, but not limited to, accurate execution and recording of transactions involving RIZE. Hackers or other malicious groups or organisations may attempt to interfere with the Rizenet network or tokens in a variety of ways, including, but not limited to, malware attacks, denial of service attacks, consensus-based attacks, Sybil attacks, smurfing and spoofing.

Risk of Uninsured Losses

Unlike bank accounts or accounts at some other financial institutions, the Rizenet tokens are uninsured unless you specifically obtain private insurance to insure them. Thus, in the event of loss or loss of utility value, there is no public insurer or private insurance arranged by us, to offer recourse to you.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com

Risks Associated with Uncertain Regulations and Enforcement Actions

The regulatory status of RIZE and distributed ledger technology is unclear or unsettled in many jurisdictions. It is difficult to predict how or whether regulatory agencies may apply existing regulation with respect to such technology and its applications. It is likewise difficult to predict how or whether legislatures or regulatory agencies may implement changes to law and regulation affecting distributed ledger technology and its applications, including RIZE. Regulatory actions could negatively impact the Rizenet ecosystem and Rizenet tokens in various ways. Rizenet Team may cease operations in a jurisdiction in the event that regulatory actions, or changes to law or regulation, make it illegal to operate in such jurisdiction, or commercially undesirable to obtain the necessary regulatory approval(s) to operate in such jurisdiction.

Risks Arising from Taxation

The tax characterization of RIZE is uncertain. You must seek your own tax advice in connection with purchasing RIZE, which may result in adverse tax consequences to you, including withholding taxes, income taxes and tax reporting requirements.

Risks Associated with RIZE Development

RIZE is still under development and may undergo significant changes over time. Although we intend for Rizenet tokens and the ecosystem to follow the specifications set forth in The Whitepaper and will take commercially reasonable steps toward those ends, we may have to make changes to the specifications for any number of legitimate reasons. This could create the risk that the tokens, as further developed and maintained, may not meet your expectations at the time of their purchasing. Furthermore, despite our good faith efforts, it is still possible that the Rizenet network will experience malfunctions or otherwise fail to be adequately developed or maintained, which may negatively impact the potential utility of RIZE.

Risk of Dissolution of the Rizenet Team

It is possible that, due to any number of reasons, including, but not limited to, an unfavourable fluctuation in the value of cryptocurrencies, decrease in RIZE utility and value, the failure of commercial relationships, or intellectual property ownership challenges, the Rizenet Team may not be able to fund development, or may not be able to develop or maintain the Rizenet ecosystem in the manner that it was intended and it may no longer be viable to operate and the Rizenet Team may dissolve.

Risks Related to Forward-looking Statements

Written statements made in The Whitepaper, press releases, or any other public forum as well as verbal statements from the Rizenet Team may be considered forward-looking statements (including statements regarding intent, belief or current expectations with respect to market conditions, business strategy and plans, financial condition, specific provisions and risk management practices). You are cautioned not to place undue reliance on these forward-looking statements, as they involve potential risks, uncertainties, and other elements that could cause the actual results to be significantly different from what is stated in the forward-looking statements. Additionally, no and no third party has evaluated the accuracy of these statements or assumptions. These forward-looking statements are applicable only as of the date of The Whitepaper, and the Rizenet Team expressly disclaim any responsibility (whether express or implied) to release any revisions to these forward-looking statements to reflect events after such date.

Unanticipated Risks

RIZE is a new token and untested technology. In addition to the risks included in The Whitepaper, there are other risks associated with your purchase, holding and use of RIZE, including those that the Rizenet Team cannot anticipate. Such risks may further materialise as unanticipated variations or combinations of the risks described in The Whitepaper.

English Language

The Whitepaper may be translated into a language other than English for reference purpose only and in the event of conflict or ambiguity between the English language version and translated versions of The Whitepaper, the English language versions shall prevail. You acknowledge that you have read and understood the English language version of The Whitepaper.

CARBONZERO FC @ 2025 All Rights Reserved
Archived copy · cryp2nova.com