

Reafino

Litepaper

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Contents

Abstract	2
1 Vision and Mission	2
2 Platform Overview	2
3 Product Segments and Use Cases	3
4 How Reafino Works	4
5 Technology Framework	5
5.1 Smart Contracts	5
5.2 Stablecoins	5
5.3 Oracles and Data Attestation	5
5.4 Tech Stack	5
5.5 Open Sourcing	5
5.6 Programmable Token Standards	5
5.7 Layer 2s	6
5.8 Partner Chains - Midnight	6
6  Tokenomics	6
6.1  Token Utility	6
6.2  Vesting & Sustainability Commitments	7
6.3  Distribution Breakdown	7
7  Roadmap	8
8  Governance	9
9 Conclusion	9

Reafino: RealFi for Real Economies

Abstract

Reafino is a purpose-driven Web3 platform built on the Cardano blockchain that connects real-world economic activities - from grassroots microfinance and cooperatives to SMEs and larger enterprises - through the principles of RealFi (Real Finance). While blockchain and DeFi adoption continue to grow, many real-world sectors remain underserved due to infrastructure limitations, fragmented access, and regulatory complexity. Reafino addresses this gap by providing practical, accessible, and compliance-aware financial infrastructure. Through tokenization and smart contracts, the platform enables transparent and secure financial interactions that support broader participation, operational efficiency, and sustainable economic value creation across communities and industries.

Keywords: Reafino, Cardano blockchain, RealFi, Financial inclusion, Tokenization, Smart contracts

1 Vision and Mission

Vision: To enable real-world economic initiatives to scale through blockchain-powered financial infrastructure - driving meaningful on-chain economic activity while fostering more inclusive and sustainable economies.

Mission: To build a compliant, scalable, and user-friendly ecosystem that transforms everyday economic activities into transparent, blockchain-enabled ventures - advancing inclusive finance, coordination, and equitable growth.

2 Platform Overview

Reafino connects real-world economic activities with blockchain-based financial infrastructure built on the Cardano blockchain. The platform supports tokenization of real-world assets, investment pooling, transparent profit-sharing, and event-driven risk-sharing models triggered by verifiable external data such as weather conditions or contractual milestones. Reafino will also incorporate gamified participation mechanisms to strengthen engagement and broaden participation across communities.

Inclusive by Design

Ready-made smart contract templates enable creators, cooperatives, and local enterprises to launch and manage blockchain-based financial use cases without requiring advanced technical expertise.

Compliant and Secure

Where applicable, Reafino can support legally aligned real-world agreements alongside on-chain execution, promoting accountability and adaptable governance structures.

Trust through Transparency

Platform interactions are governed by smart contracts, enabling verifiable and auditable activity that improves transparency, strengthens accountability, and reduces coordination risk across participants.

Scalable Infrastructure

Reafino is designed as modular financial infrastructure capable of supporting diverse real-world use cases across communities, organizations, and enterprises.

3 Product Segments and Use Cases

Reafino's product segments are designed as modular financial primitives that can support a broad range of real-world coordination, funding, and risk-sharing activities. Together, these models combine programmable execution, transparent settlement, and flexible participation structures across multiple sectors and use cases.

All-or-Nothing Crowdfunding

A smart contract-based crowdfunding model where funds are released only if campaign targets are met, with automatic refunds otherwise. Optional rewards may include products, NFTs, or supporter incentives.

- **Creators & Innovators** - Escrow-based funding helps independent creators and early-stage ventures raise capital with clearer accountability and aligned incentives.
- **Product Pre-Sales for Entrepreneurs** - Conditional funding mechanisms help entrepreneurs validate demand before committing to production or inventory costs.
- **Cause-Driven Community Campaigns** - Transparent fundraising structures help nonprofits and local initiatives coordinate milestone-based campaigns with automated refunds.

Investment Pool with Profit Sharing

Tokenized investment pools that enable participants to collectively fund real-world ventures and receive programmable, performance-linked returns through automated distribution mechanisms.

- **Crop-Share Funding** - Tokenized funding structures allow farmers and contributors to participate in yield-linked agricultural financing models with shared upside exposure.
- **Commodity/Real Estate Pools** - Pooled participation mechanisms improve access to asset-backed opportunities that are often fragmented, inefficient, or difficult to access.
- **Startup Revenue Sharing** - Revenue-sharing models enable ventures to raise growth capital while aligning contributors with long-term business performance.

Event-Linked Insurance

Tokenized insurance products that use smart contracts and verifiable external data to automate event-linked coverage, claims validation, and payout execution.

- **Weather/Climate Insurance** - Oracle-based triggers can automate payouts for sectors exposed to climate-related disruptions such as agriculture, logistics, and tourism.
- **Event Cancellation** - Smart contract-based policies can provide automated compensation for disruptions caused by weather conditions, emergencies, or operational failures.
- **Real Estate Protection** - Predefined coverage conditions help property owners and investors manage risks related to missed rent or contractual breaches.

Gamified Pools (e.g., Raffles)

Interactive fundraising mechanisms that combine transparent fund coordination with raffles, contests, and participation-based reward experiences.

- **Raffles & Contests** - Auditable raffles and interactive campaigns can strengthen contributor engagement and recurring participation across initiatives.
- **Social Good Campaigns** - Blockchain-based tracking and digital rewards can improve visibility into fundraising milestones and coordinated fund usage.
- **Events, Tourism & Lifestyle Impact** - NFT-based tickets or collectibles can connect participation with sustainability, tourism, or regional development initiatives.

4 How Reafino Works

Reafino simplifies the tokenization, coordination, and management of real-world economic activities through modular and transparent financial workflows.

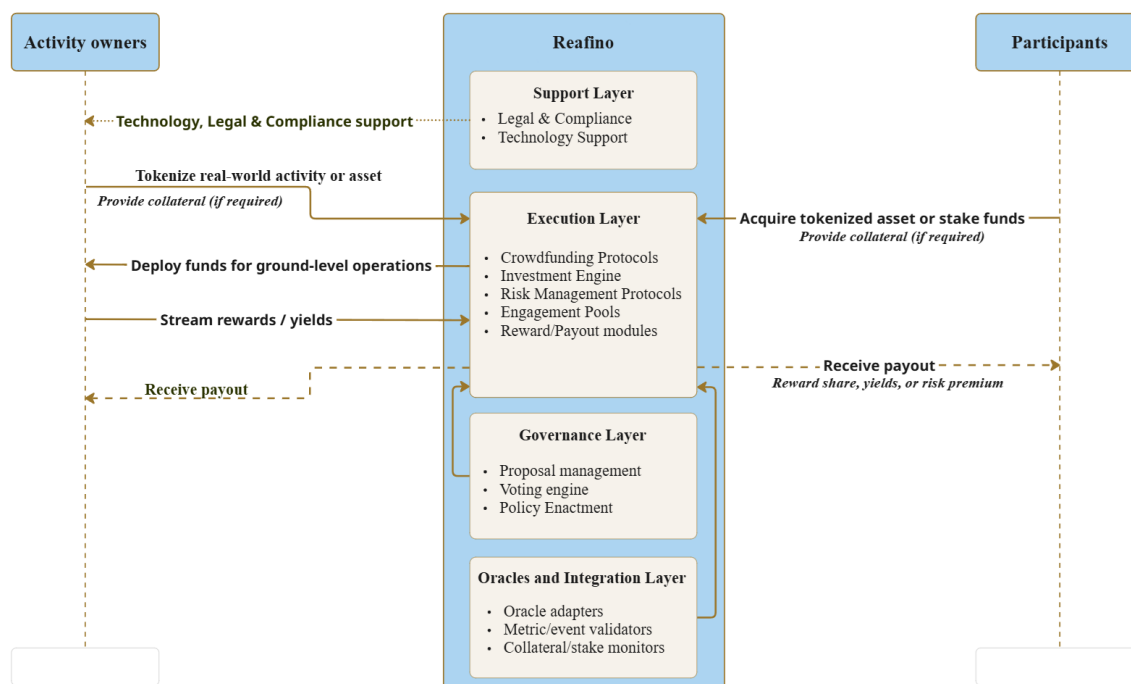


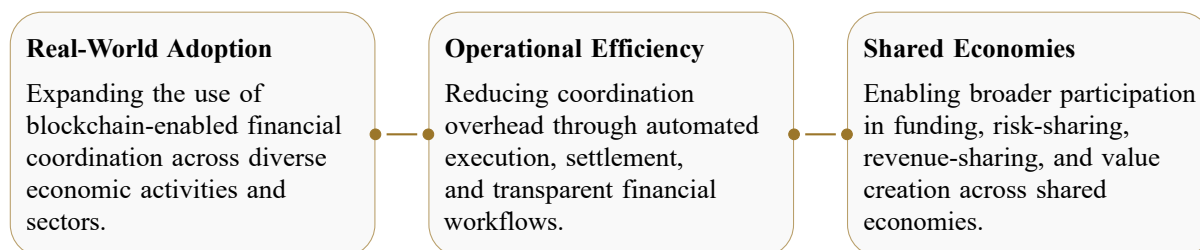
Figure 1: Interactions between stakeholders and Reafino's execution layers

The diagram below outlines the Reafino workflow, from asset or project tokenization to automated settlement and benefit distribution across participants.

- **Tokenization of Economic Activities:** Owners of economic activities use Reafino's tools to create digital representations of assets, projects, or financial arrangements, supported by optional legal and compliance modules. Where required, collateral mechanisms can be integrated to strengthen accountability and commitment enforcement.
- **Decentralized Participation and Funding:** Participants contribute to tokenized initiatives through crowdfunding, investment pooling, or risk-sharing models. Smart contracts automate contribution tracking, conditional execution, and coordinated fund management.
- **Oracle-Driven Data Validation:** Where external data is required, such as weather conditions for agricultural insurance, oracle systems provide verifiable data inputs that support objective and automated contract execution.
- **Automated Payouts and Benefit Distribution:** Smart contracts automate the distribution of profits, rewards, insurance payouts, and refunds based on predefined rules, contribution structures, or validated external events – reducing manual coordination and improving operational efficiency.

The workflow is powered by standardized smart contract infrastructure that enables transparent execution, modular onboarding, and configurable financial coordination across different sectors and use cases.

Reafino's Success Measures



5 Technology Framework

5.1 Smart Contracts

Smart contracts form the core execution layer of the Reafino platform, enabling tokenization, decentralized funding mechanisms, automated settlement, ownership-based distributions, and governance coordination.

5.2 Stablecoins

Stablecoins play an important role in reducing volatility exposure for real-world financial interactions such as payments, disbursements, and hedging. Reafino will support multiple stablecoins within the Cardano ecosystem, alongside ADA and other native assets, allowing projects to choose preferred settlement and participation mechanisms based on their operational needs.

5.3 Oracles and Data Attestation

In use cases such as weather-based insurance or market-linked pricing, external data is required for contract execution. Oracle systems are used to deliver verifiable off-chain information on-chain in support of automated execution workflows.

For scenarios where reliable oracle infrastructure is unavailable, Reafino may support verified third-party attestations, institutional data feeds, or structured human verification mechanisms with predefined safeguards to strengthen data integrity and operational reliability.

5.4 Tech Stack

The Reafino platform currently relies on Aiken and MeshJS for core Cardano integrations. Aiken enables the development of efficient smart contracts, while MeshJS supports transaction construction, wallet interaction, and other off-chain operations. As the Cardano development ecosystem evolves, Reafino will continue adapting its architecture to align with emerging standards and infrastructure improvements.

5.5 Open Sourcing

Reafino's smart contracts will be open-sourced following audit to improve transparency, auditability, and external review. As the platform expands into additional sectors and use cases, newly developed smart contracts may also be released to encourage interoperability and long-term ecosystem contribution.

5.6 Programmable Token Standards

Emerging programmable token standards such as CIP-113 introduce mechanisms for embedding transfer controls and operational logic directly into native Cardano assets. These models may support more

structured management of tokenized Real-World Assets (RWAs) across regulated or compliance-sensitive environments.

Key benefits include:

- **Programmable Transfers:** Smart contracts can enforce predefined transfer conditions and execution rules.
- **Compliance-Aware Design:** Regulatory or operational constraints may be embedded into issuance and transfer workflows where required.
- **Interoperability:** Shared standards can improve compatibility across wallets, applications, and tokenized assets.

As programmable token standards evolve, Reafino may integrate support for compliance-aware RWA flows, improving auditability, operational coordination, and institutional compatibility.

5.7 Layer 2s

Layer 2 solutions such as Hydra can improve transaction throughput and reduce operational costs for high-frequency or coordination-intensive applications. For Reafino, this may support use cases such as micropayments, milestone-based crowdfunding, pooled disbursements, and other transaction-heavy financial workflows.

5.8 Partner Chains - Midnight

Midnight introduces privacy-preserving infrastructure through selective disclosure and protected data handling. This may allow Reafino to support regulated or enterprise-oriented use cases that require confidential transaction data, controlled disclosures, or jurisdiction-aware compliance mechanisms while maintaining verifiable execution flows.

6



Tokenomics

The total supply of Reafino tokens is fixed at 100 million, with a distribution and utility model designed to support platform coordination, ecosystem participation, long-term sustainability, and transparent governance.

6.1 Token Utility

Reafino tokens support platform participation, governance, and ecosystem coordination. Token utility may include:

- Staking to access platform incentives and participation benefits
- Participating in governance proposals and voting mechanisms
- Supporting liquidity across decentralized trading environments
- Accessing gated features, campaigns, or ecosystem utilities on the Reafino platform

Participants who contribute through governance, liquidity provision, platform activity, or ecosystem development may receive protocol-based incentives subject to evolving governance frameworks. Treasury allocation and incentive coordination are intended to operate through transparent on-chain mechanisms rather than centralized discretion.

Protocol revenue, including platform fees where applicable, may support ecosystem grants, liquidity initiatives, integrations, governance programs, and other long-term growth activities aligned with the platform's objectives.

6.2 Vesting & Sustainability Commitments

Reafino follows a utility-oriented approach to token distribution:

- **Broad participation:** Reafino prioritizes wide ecosystem participation and seeks to reduce concentrated insider ownership that may create governance imbalance or short-term speculation.
- **Product first, token after:** Reafino tokens will only become available following the public testnet phase, allowing participants to evaluate the platform before engaging with the token ecosystem.
- **Long-term alignment:** Team and advisor allocations are subject to multi-year vesting schedules with cliffs to encourage sustained contribution and operational continuity.
- **Transparent infrastructure:** The platform is designed to remain non-custodial and transparent, reducing reliance on centralized trust assumptions.

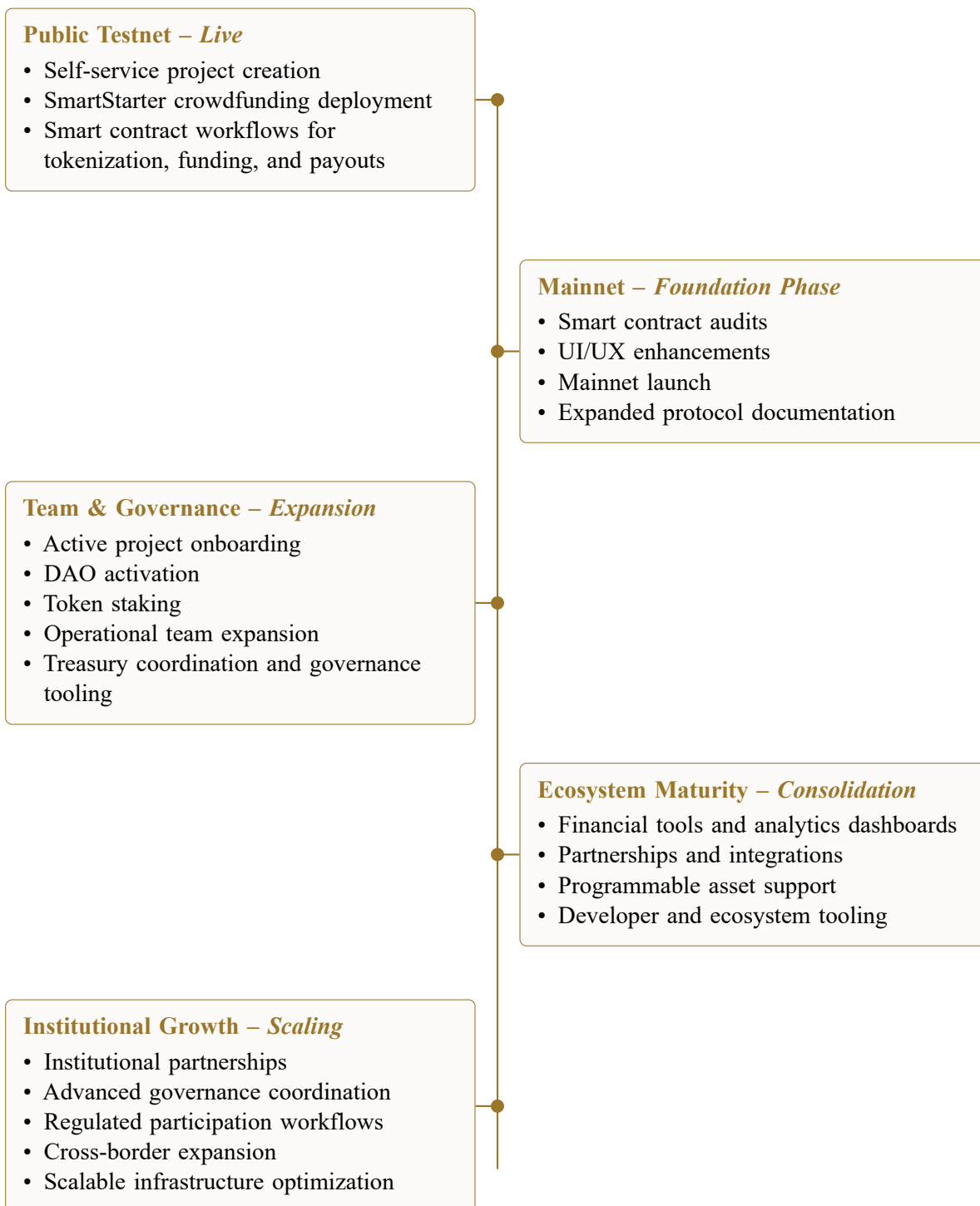
Reafino's token model is intended to support long-term participation, governance coordination, liquidity formation, and access to platform-level utilities through transparent smart contract infrastructure.

6.3 Distribution Breakdown

Category	Allocation	Description
Public / Community Distribution	64%	Community-focused allocation intended to encourage broad participation and long-term ecosystem engagement.
Team & Advisors	12%	Subject to multi-year vesting schedules designed to support long-term alignment and sustained contribution.
Liquidity Bootstrapping	12%	Reserved for decentralized exchange liquidity and early market formation activities.
DAO Treasury / Ecosystem Growth	12%	Reserved for governance-led initiatives such as grants, integrations, liquidity support, partnerships, and long-term ecosystem development.

7 Roadmap

Reafino's roadmap focuses on phased infrastructure development, ecosystem expansion, and progressive governance activation. The platform's rollout strategy prioritizes audited core functionality, real-world onboarding, scalable financial coordination, and long-term institutional readiness across evolving RealFi use cases.



8 Governance

Reafino intends to implement a progressively decentralized governance framework through a Decentralized Autonomous Organization (DAO), enabling stakeholder participation in selected platform coordination and ecosystem decisions as the platform matures. As Reafino expands across areas such as crowdfunding, investment pools, and event-linked insurance, governance mechanisms may help guide ecosystem priorities, treasury coordination, and platform development.

Key governance areas include:

- **Resource Allocation:** Governance proposals may influence the allocation of ecosystem resources, incentives, grants, and treasury-supported initiatives based on evolving platform priorities.
- **Ecosystem Growth Decisions:** Governance mechanisms may support decisions related to ecosystem expansion, integrations, partnerships, and onboarding of new sectors or use cases.
- **Protocol Upgrades & Treasury Management:** Participants may vote on protocol upgrades, treasury coordination, and infrastructure initiatives intended to support platform sustainability and long-term development.
- **Governance Framework Evolution:** Governance structures may evolve over time to balance operational efficiency, ecosystem participation, and transparent decision-making as adoption increases.

A portion of the token supply is allocated toward treasury and ecosystem coordination mechanisms that may support governance participation, ecosystem initiatives, and long-term platform development. Governance rights are expected to activate progressively, with participation mechanisms likely linked to token staking and other on-chain coordination models.

9 Conclusion

Reafino is a RealFi platform that delivers practical financial solutions for real-world economies - enabling sustainable growth, inclusive finance, and transparent value exchange. With user-friendly tools, scalable infrastructure, and a focus on regulatory alignment, Reafino supports long-term adoption across communities and sectors. Built on Cardano, it combines the strengths of decentralization with the demands of Real Finance.

To learn more, visit reafino.app or join our community on [Discord](#).