AYNI

AYNI Token Whitepaper

Gold, Elevated by Blockchain. Rooted in Earth.

CRYP2NOVA

2025

Archived copy · cryp2nova.com

AYNI Token Whitepaper V0.3

I. Introduction.....2
II. Problem Statement..... 5
III. Solution: The AYNI Token..... 7
IV. Minerales: The Peruvian Gold Concession at the Heart of AYNI..... 9
V. Tokenomics.....11
VI. Earning PAXG (Gold-Backed Stablecoin) via AYNI Staking.....12
VII. Token Burning Mechanism.....14
VIII. DAO Governance.....15
IX. Roadmap..... 17
X. Risks and Mitigation.....18
XI. Disclaimer.....20
XII. Conclusion.....22

CRYP2NOVA

Archived copy · cryp2nova.com

I. Introduction

In the realm of cryptocurrencies, AYNI Token emerges as a pioneering asset, bridging the digital world with the tangible value of gold. Gold remains one of the world's most enduring stores of value, yet traditional gold mining investments typically require significant capital, specialized expertise, and complex logistics.

AYNI Token aims to transform this landscape by tokenizing the gold-mining process itself, granting investors seamless access to gold production streams in a transparent, community-driven ecosystem, and generating sustainable, gold-backed passive income for its holders.

Mission:
AYNI's mission is to democratize the gold-mining sector by merging the tangible world of precious metal extraction with transparent, blockchain-driven governance. The project seeks to provide equitable access to the potential rewards of gold production, allowing smaller investors to stand alongside traditional industry players. By emphasizing accountability, sustainability, and fair distribution, AYNI aims to transform resource-based investments into a more inclusive landscape for all.

Vision:
AYNI's vision is to become a pioneering model of how real-world commodities can be seamlessly woven into decentralized ecosystems. Through robust technology, regulatory compliance, and direct stakeholder engagement, the project intends to expand the boundaries of asset-backed tokens. Over time, AYNI aspires to cultivate a global community that values both the reliability of physical resources and the democratic principles of distributed ownership.

Archived copy · cryp2nova.com

What is AYNI?

A Real-World Asset (RWA) Token:

AYNI stands out by representing an actual portion of the operational power used for gold extraction, often referred to as the “power-token” concept. Rather than simply tying the token’s value to the price of gold in a vault, each AYNI token signifies a measurable share of the energy and capacity driving the mining process. This means that holders are directly linked to the physical activity of pulling gold from the earth, bridging the gap between digital ownership and tangible resource utilization. Because AYNI tokens correspond to a real commodity-producing system, the project delivers a level of substance and stability that many purely digital tokens can’t match. In effect, investors benefit from blockchain’s transparency while anchoring their assets to the dependable value of a globally precious metal.

Backed by Minerales:

An essential cornerstone of AYNI’s credibility is its partnership with Minerales, a mining operation in Peru renowned for its proven gold reserves and regulatory compliance. Minerales holds legal rights to its concession and is committed to meticulous oversight of daily extraction activities, including verifying yields and keeping track of all inputs, like labor, equipment, and operational expenditures. This on-the-ground supervision provides AYNI holders with confidence that the gold tying their tokens to real-world value is genuinely being extracted according to industry best practices. The fact that Minerales operates within a robust legal and infrastructural framework means that AYNI’s foundation is built on more than a promise — it is backed by an operational presence with a track record for reliable gold production.

Built on Transparency & Reciprocity:

AYNI draws its name and inspiration from the Andean concept of “Ayni”, which signifies mutual aid, communal support, and the belief that shared resources should benefit the collective. By incorporating this ethos, AYNI’s system promotes equitable distribution and open governance within its ecosystem. Decisions are not made behind closed doors; rather, token

Archived copy · cryp2nova.com

holders themselves can shape the future of the project through voting and participation in community forums. This approach fosters a spirit of inclusivity in which every investor, regardless of stake size, has a voice in shaping operational details, like distribution schedules or management fee structures. Fundamentally, AYNI leverages technology to revive a centuries-old principle of fairness, ensuring that gold's value is not merely claimed by a few, but shared among an entire community of engaged stakeholders.

Archived copy · cryp2nova.com

II. Problem Statement

The traditional gold mining industry is often characterized by:

Limited Accessibility:
The gold-mining sector historically demands sizable capital and specialized knowledge for direct investment, which puts it out of reach for most retail or smaller-scale participants. Consequently, individuals with moderate funds or limited financial acumen rarely gain exposure to this lucrative market segment. This exclusivity has perpetuated wealth concentration, reinforcing the notion that precious-metal ventures are reserved solely for large corporations and well-heeled investors.

Lack of Transparency:
Many mining operations do not disclose real-time production figures, costs, or efficiency metrics, leaving prospective investors in the dark about actual profitability. This opacity hinders meaningful due diligence, as it becomes difficult to verify whether reported returns align with real-world output. Ultimately, incomplete or vague data blocks informed decision-making, breeding uncertainty and limiting wider investor confidence.

High Costs & Inefficiencies:
Traditional mining projects often wrestle with complex supply chains, energy-intensive processes, and extensive overhead for labor, equipment, and permitting. Coupled with regulatory hurdles, these operational costs can siphon away a substantial share of profits before they ever reach investors. Faced with unpredictable expenses and timeframes, many ventures stagnate under financial strain, sacrificing transparency for the sake of meeting basic operational demands.

Lack of Community Governance:
In conventional arrangements, investors typically play a passive role, possessing little to no authority over strategic decisions, such as new drilling initiatives or reward distribution structures. This disconnect often leads to discontent when managers unilaterally determine fee schedules or expansion tactics that may benefit executives more than general stakeholders. By excluding the broader investing community from major

Archived copy · cryp2nova.com

operational calls, the industry inadvertently undercuts broader support and engagement.

AYNI seeks to address these challenges by leveraging blockchain to provide trustless transparency, automated profit sharing, and democratic governance. By placing production data on an immutable ledger and incorporating real-time audits, AYNI offers unfiltered insights into every phase of gold extraction. When, combined with a decentralized voting mechanism, this framework ensures that decisions regarding operations, fees, and reinvestment strategies arise from community consensus rather than unilateral authority.

CRYP2NOVA

Archived copy · cryp2nova.com

III. Solution: The AYNI Token

The AYNI Token presents a revolutionary solution by tokenizing gold-mining power, providing a transparent and accessible pathway to participate in the gold extraction process.

Real-World Asset Backing:
Each AYNI Token corresponds to a definitive slice of the physical gold-mining process, providing tangible value rather than a purely speculative digital asset.

$$1\ \text{AYNI} = 4\text{cm}^3/\text{hour}$$

or

$$1\ \text{AYNI} = 0.000004\text{m}^3/\text{hour}$$

This tethers each token to the actual throughput and productivity in the Minerales-owned Peruvian concession. By directly linking token issuance to measurable mining operations, AYNI reduces the reliance on speculative market sentiment and instead anchors itself to an industry with centuries of proven economic worth.

Passive Rewards Generation:
Holders of AYNI are not merely holding a static digital token; they are actively participating in an ongoing gold extraction cycle. By staking their tokens, they gain entitlement to a proportional share of the gold mined, converted into PAXG, a stablecoin underpinned by physical bullion. This mechanism transforms traditional gold-mining returns into a decentralized finance (DeFi) experience, aligning passive rewards with tangible, real-world production while ensuring steady and predictable quarterly payouts.

Archived copy · cryp2nova.com

Transparency:
The AYNI ecosystem is designed to make every stage of the mining-to-rewards process visible to token holders. Through a robust DAO framework, data on extraction rates, operational costs, and distribution calculations are maintained on an immutable ledger, open for public scrutiny. This consistent flow of verified information promotes accountability and fortifies trust, allowing participants to confidently assess both the token's performance and the underlying mining operations.

DAO Governance:
Beyond simply receiving rewards, AYNI token holders can actively shape the protocol and its direction through on-chain voting procedures. Decisions on fee adjustments, expansion strategies, or reinvestment opportunities are arrived at collectively, reflecting a model of distributed authority and shared responsibility. By empowering the community in this way, AYNI fosters a supportive and collaborative environment that aligns project success with broad stakeholder interests.

CRYP2NOVA

Archived copy · cryp2nova.com

IV. Minerales: The Peruvian Gold Concession at the Heart of AYNI

Company: Minerales
Location: Peru
Website: https://www.Minerales.gold
Reserves: Verified reserves at 9+ tons, with potential expansions indicated by further geological surveys.

Extraction Metrics:

- **Gold Content**: ~0.1 grams/m^3
- **Daily Operating Hours**: 16 hours
- **Monthly Operating Days**: 25 days
- **Operating Expenditure (OPEX)**: ~$5.92 per m^3

Choosing Peru as the Gold Extraction Hub:
Peru holds a distinguished position in the global gold industry, recognized for its long history of abundant gold deposits and successful mining ventures. This heritage stretches back centuries, reflecting a deep cultural and economic intertwining with the precious metal. Over time, the Peruvian government and the private sector have refined mining practices, resulting in robust infrastructure, specialized labor, and a streamlined regulatory framework to accommodate ongoing extraction efforts. As a result, investors and mining companies alike benefit from an environment where geological data, mining expertise, and operational logistics are well-established.

In the case of **Minerales**, this environment provides tangible advantages. Not only does the concession sit in a region with proven gold reserves, but also the regulatory context supports responsible extraction activities. Minerales has legally secured rights to mine on this particular concession, which means that its operations are fully sanctioned by relevant local and national authorities. This official backing reduces potential legal barriers that might otherwise hinder exploration or expansion efforts.

Archived copy · cryp2nova.com

Furthermore, Minerales partners with recognized auditing firms to assure both authorities and investors that its operational data — covering gold yields, costs, and production timelines — is accurate and trustworthy. By adhering to transparent auditing procedures, the company underscores its dedication to accountability. This rigorous approach to compliance bolsters confidence among token holders and traditional stakeholders, indicating that Minerales and its associated projects, like AYNI, maintain high standards of ethical and financial integrity.

Altogether, choosing Peru as the focal point for these mining activities is not merely a matter of geological fortune; it is a strategic decision that leverages the nation's established reputation and institutional experience. In turn, token holders who invest in the gold produced here benefit from a heritage of gold extraction, predictable regulatory processes, and a commitment to rigorous oversight, all converging to create a stable backdrop for the AYNI Token's mission.

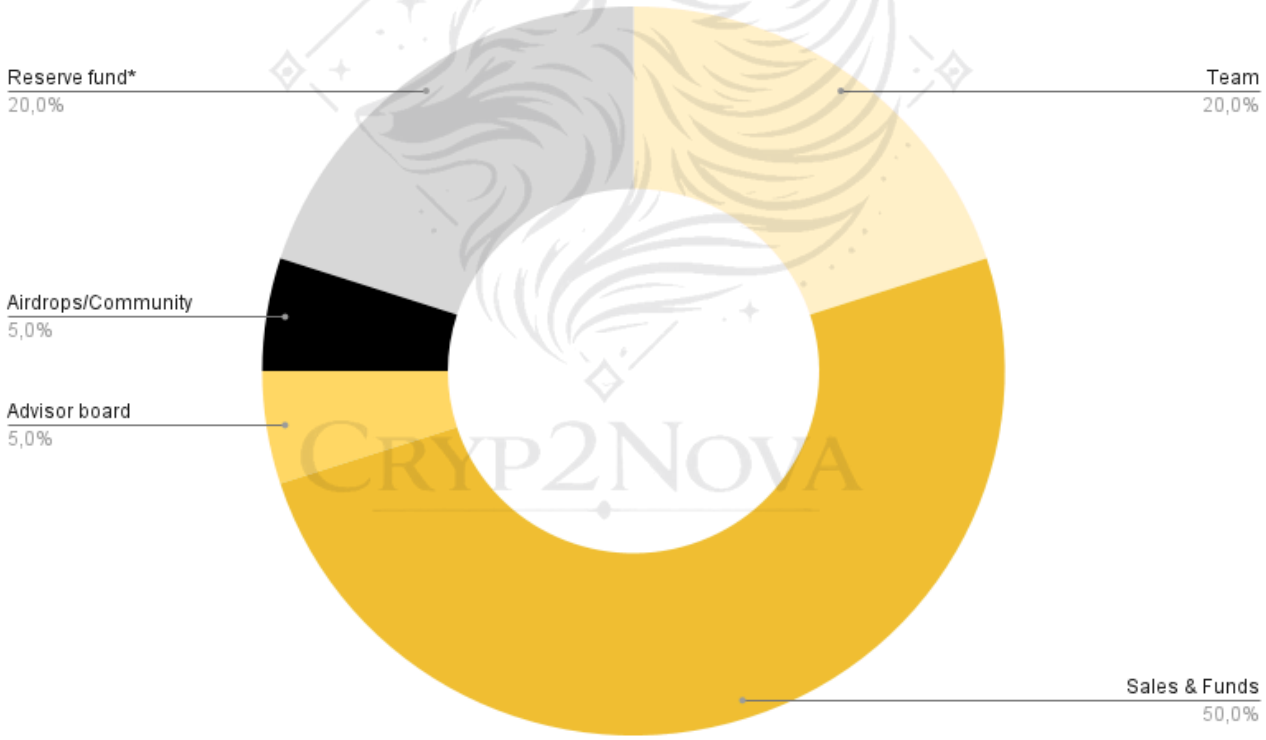
CRYP2NOVA

Archived copy · cryp2nova.com

V. Tokenomics

Token Name: Ayni Gold
Token Symbol: AYNI
Standard: ERC-20
Total Supply: 806,451,613
Token Allocation:

Team	20%	161 290 323
Sales & Funds	50%	403 225 806
Advisor board	5%	40 322 581
Airdrops/Community	5%	40 322 581
Reserve fund*	20%	161 290 323
Total	100%	806 451 613



Token Lock:
tokens allocated to the team and advisors will be subject to a vesting schedule to incentivize long-term commitment to the project.

Archived copy · cryp2nova.com

VI. Earning PAXG (Gold-Backed Stablecoin) via AYNI Staking

One of the key innovations within the AYNI ecosystem is that AYNI token holders can stake their tokens to earn PAXG, a stablecoin directly backed by physical gold reserves. This arrangement ensures that participants benefit from tangible, real-world bullion value, rather than relying on the speculative nature of purely digital assets. Each quarter, the total quantity of extracted gold is carefully measured, converted into PAXG, and then distributed among token stakers in proportion to their staked AYNI. Operational costs and management fees, determined by factors such as investor commitment and lockup duration, are subtracted from the gross yield before final allocations are made. By combining blockchain transparency with gold-backed stability, this model balances predictable returns with DeFi accessibility in a single, streamlined ecosystem.

AYNI holders can stake their tokens to earn PAXG, a stablecoin backed by physical gold reserves. PAXG rewards are distributed quarterly and are calculated based on the following formula:

$$\textbf{Reward}(\text{PAXG}) = \text{GoldProd}_{g} - \text{Costs}_{USD} - \text{MgmtFee}_{g}$$

$$\text{Costs}_{USD} = \text{OPEX}_{USD/m3} \times \text{DailyHours} \times N \times \text{Cap}_{m3/h}$$

$$\text{GoldProd}_{g} = N \times \text{Cap}_{m3/h} \times \text{GoldContent}_{g/m3} \times \text{DailyHours}$$

$$\text{MgmtFee}_{g} = (\text{GoldProd}_{g} - \text{Costs}_{USD}) \times \text{MgmtFeeRate}$$

Archived copy · cryp2nova.com

Variables Notes:

Variable marker	Meaning	Amount, example
N	Number of AYNI tokens staked	–
$Cap_{m3/h}$	Token mining capacity	0.000004m^3/hour
$GoldContent_{g/m3}$	Grams of gold per m^3 of earth	0.01g
DailyHours	Number of operating hours per day	16
$OPEX_{USD/m3}$	Operating expenditure in USD per m^3	5.92
MgmtFeeRate	Management fee	35%

Management fee rates:

		Amount, USD					
		100	**1 000**	**5 000**	**10 000**	**100 000**	**1 000 000**
MONTHS	**1**	70%	70%	70%	70%	n/a	n/a
	12	55%	50%	45%	40%	35%	30%
	24	50%	45%	40%	35%	30%	27%
	36	45%	40%	35%	30%	27%	25%
	48	40%	35%	30%	27%	25%	20%

Archived copy · cryp2nova.com

VII. Token Burning Mechanism

One of the distinctive mechanisms in AYNI's tokenomic structure is the planned buyback and burn of tokens using a percentage of the management fee. By allocating 15% of these fees specifically to acquiring AYNI on the open market, the project systematically removes tokens from circulation. This quarterly burn approach not only curtails supply, but can also stimulate upward price movement, ultimately benefiting participants who maintain a long-term outlook.

In practical terms, the burn process unfolds on a set schedule, ensuring that accrued management fees are swiftly deployed to repurchase tokens. The operation leverages transparent smart contract functions, allowing all stakeholders to monitor the precise volume of tokens retired from the circulating supply. Over time, such cumulative burns help sustain a healthier token market, reinforcing the token's overall stability and investor confidence.

CRYP2NOVA

Archived copy · cryp2nova.com

VIII. DAO Governance

One of the fundamental principles of AYNI is to entrust meaningful authority to its token holders, enabling them to collectively shape the project's trajectory. Rather than relying on a centralized entity for all operational or strategic decisions, AYNI employs a Decentralized Autonomous Organization (DAO) framework to ensure that every voice is heard. By distributing governance rights evenly among participants, the project not only fosters a spirit of inclusivity but also encourages collective responsibility for its success.

Within this DAO system, critical matters such as adjusting the management fee percentage, implementing changes in day-to-day mining operations, or pursuing strategic partnerships are submitted for community-wide voting. Each proposal undergoes a transparent review process where token holders have adequate time to discuss potential impacts, evaluate benefits, and express concerns before casting their votes. This structure aligns stakeholders' interests, driving alignment between long-term project growth and the informed feedback of those who are directly invested in its outcome.

In practice, this governance model extends far beyond typical engagement methods, advancing AYNI's mission of transparency and accountability. When each token holder has the power to initiate or influence operational directions, it curtails the likelihood of unilateral or profit-driven decisions from a small leadership group. Ultimately, by giving the community a genuine stake in how the platform evolves, AYNI cultivates a robust, democratic environment that continuously balances efficiency, profitability, and shared values.

On-Chain Governance with OpenZeppelin:
AYNI's governance system adopts a proven on-chain model facilitated by OpenZeppelin's suite of governance contracts, ensuring both security and flexibility. Using the OpenZeppelin framework, each AYNI token holder

Archived copy · cryp2nova.com

gains the ability to propose and vote on key decisions — such as adjusting management fees or expanding mining capacity — directly on the blockchain. When a proposal is created, the system automatically handles vote collection, quorum checks, and execution scheduling, all through trusted, well-audited smart contracts. This approach guarantees that no single party can override community consensus; instead, the governance mechanism enforces majority decisions after votes are tallied and pre-configured thresholds (like minimum quorum for voting period) are met. By leveraging OpenZeppelin, AYNI benefits from a standardized, battle-tested governance pipeline, minimizing security risks and offering a seamless path for upgrades or additional features as the project's needs evolve.

CRYP2NOVA

Archived copy · cryp2nova.com

IX. Roadmap

- Token Audit Completed — May 2025
- Website + Whitepaper V1.0 Launch — June 2025
- Token Launch — End of Q2 2025
- Community Launch — Q2 2025
- Staking Platform Development — End of Q2 2025
- Token Private Sale — Q3 2025
- First Access to Staking Platform (for OTC Clients) — Q3 2025
- CEX/DEX Listings — Q3 2025
- Token Purchase with Credit Card/Crypto (Onramp) — Q3 2025
- Platform Launch — End of Q3 2025
- First PAXG Rewards Distribution (OTC Clients) — Q4 2025
- DAO Implementation — Q4 2025
- Mobile Applications Launch — Q4 2025
- Partnerships and Integrations — Q4 2025
- Expansion of Mining Operations — 2026

CRYP2NOVA

Archived copy · cryp2nova.com

X. Risks and Mitigation

Participating in the AYNI initiative involves a range of potential risks, such as:

Market Volatility:
Both the cryptocurrency and commodities sectors tend to experience sudden price fluctuations triggered by global events and shifting investor sentiment. As a result, the overall value of AYNI tokens and the gold to which they are tied can swing markedly in short periods, requiring investors to maintain a long-term perspective.

Regulatory Uncertainty:
The legal framework surrounding digital assets is still in flux, with different regions implementing varied regulations that may impact token sales or ongoing operations. Navigating this evolving landscape demands continual monitoring of compliance requirements to avoid constraints or disruptions.

Mining Operations Risk:
Any unforeseen issues at the mining site — such as mechanical failures, environmental factors, or labor disputes — could reduce the output of gold and thus diminish returns for AYNI holders. Ensuring robust infrastructure and thorough contingency planning helps mitigate these potential setbacks.

Smart Contract Security Risk:
Despite the advantages of transparency and automation, vulnerabilities in smart contract code can expose the system to exploits or data breaches. By following best practices in development and testing, AYNI aims to safeguard both user funds and operational continuity.

The project team remains committed to deploying a comprehensive set of risk management measures aimed at minimizing potential setbacks and ensuring the stability of the AYNI ecosystem, including:

Diversifying Mining Operations:
Expanding extraction activities across multiple sites or resource streams helps shield overall production from localized disruptions or mineral

Archived copy · cryp2nova.com

depletion. This approach increases the likelihood of steady yields, preventing a single issue from crippling the entire venture.

Adhering to All Applicable Regulations:
Ensuring compliance with relevant legal standards in each operating region minimizes the risk of project halts or legal repercussions. Such adherence builds trust with both local authorities and international investors, strengthening the project's credibility.

Implementing Rigorous Security Protocols:
By deploying advanced encryption and access controls, the project protects sensitive data and critical infrastructure from external threats. These protocols also encompass the secure handling of private keys, reducing the risk of internal misuse or accidental breaches.

Conducting Regular Smart Contract Audits:
Periodic evaluations by reputable third parties like CertiK or Hacken verify that the system remains free of exploitable weaknesses. As the project evolves, these audits ensure that ongoing updates or expansions do not inadvertently introduce new vulnerabilities.

CRYP2NOVA

Archived copy · cryp2nova.com

XI. Disclaimer

This Whitepaper is furnished solely for informational and educational purposes. It does not constitute an offer to sell, nor does it a solicitation of an offer to buy any securities, commodities, or other financial instruments. Neither the content herein nor any subsequent communications should be construed as financial, legal, or tax advice. **Investing in cryptocurrencies, tokens, or any blockchain-related projects — particularly those involving real-world asset tokenization (RWA) — entail substantial risk**, including the possibility of a complete loss of invested capital. Prospective participants are strongly encouraged to consult with qualified financial advisors, legal professionals, and other relevant experts before making any decisions to purchase, hold, or trade AYNI tokens or related digital assets.

Furthermore, the regulatory landscape for digital tokens and asset-backed projects is dynamic and may vary across different jurisdictions. It is the responsibility of each individual to ensure that their involvement does not violate any local or international laws. **No guarantees, representations, or warranties** — explicit or implied — are made regarding the accuracy, reliability, or completeness of any information within this Whitepaper, including references to future events, mining yields, or market trends. Statements about projected returns or performance are inherently forward-looking and subject to numerous variables beyond the control of the project team.

Any and all examples, figures, and timelines cited are provided for illustrative purposes and are subject to modification based on evolving market conditions, technological constraints, or regulatory changes. The success of the AYNI project is **contingent on a variety of factors**, including, but not limited to, operational effectiveness of mining facilities, changes in global commodities markets, and the sustained security of on-chain smart contracts. Neither the project team nor any affiliated parties are liable for direct or indirect damages, losses, or liabilities arising from the use, reference, or reliance on any content within this Whitepaper.

Archived copy · cryp2nova.com

By participating in the AYNI token ecosystem, you acknowledge that **you accept all associated risks** and agree that none of the entities, advisors, or stakeholders involved in developing, marketing, or operating AYNI are responsible for financial losses, technological failures, regulatory impediments, or any other adverse events. The reader should independently verify all claims and satisfy themselves as to the accuracy of the information provided.

If you are uncertain about the implications of involvement or the regulatory status of tokenized gold mining in your region, seek professional counsel immediately.

Archived copy · cryp2nova.com

XII. Conclusion

The AYNI Token aspires to redefine how investors engage with the gold mining industry by marrying the stability of a time-tested commodity with the transparency and accessibility of blockchain technology. Traditionally, gold mining has remained beyond the reach of most individuals due to its capital-intensive requirements and intricate supply chains. AYNI dismantles these barriers by allowing token holders to claim a measure of real mining power and thereby share in the economic rewards generated from the ongoing extraction process. What was once the domain of large corporations and specialized investors is now reimagined as an inclusive ecosystem, where even smaller participants can stake tokens and reap tangible benefits tied to physical gold reserves.

Moreover, AYNI's model of decentralization and community engagement not only addresses common industry pitfalls, such as limited oversight and high operational overhead but also fosters a sense of collective stewardship. Through on-chain governance, token holders are directly involved in shaping policy decisions, management fee structures, and reinvestment strategies. This democratic approach ensures that the interests of smaller stakeholders remain represented alongside institutional backers, ultimately promoting a balanced, self-sustaining environment. In so doing, AYNI epitomizes the potential of blockchain to transcend conventional investment norms, uniting the real and digital spheres in a manner that is transparent, equitable, and poised to deliver substantial value to those who embrace its vision. By placing trust, accountability, and inclusion at its core, AYNI stands poised to create a meaningful and lasting impact on both the gold market and the broader cryptocurrency landscape.

Archived copy · cryp2nova.com