



MineralX STO[®] WHITEPAPER



This whitepaper outlines the key aspects of the MineralX security token offering and is provided solely for general information. It should not be viewed as investment advice and serves only to give additional context to interested parties.



Introduction

The global economy depends on a narrow group of strategic resources known as rare minerals. In this context, the term includes critical inputs such as lithium, cobalt, rare earth elements, and other specialty metals essential for batteries, electronics, renewable-energy systems, aerospace components, and advanced manufacturing. Their rarity often reflects not geological scarcity alone but the difficulty of extraction, the concentration of processing capabilities, and the fragility of global supply chains. Over time, these minerals have evolved from niche industrial materials into highly strategic assets central to modern technology and international economic planning.

Several milestones have shaped the investment landscape of rare minerals. The recognition of rare earth elements as geopolitical assets, China's consolidation of processing in the early 2000s, and the lithium boom driven by electric vehicles all demonstrated how closely supply, industrial demand, and global politics are linked. These cycles revealed the sector's strong profit potential while also exposing major barriers that limit access for ordinary investors.

Despite their attractiveness, rare minerals remain difficult for most investors to access directly. Prices often appreciate due to increasing technological demand and slow supply expansion, yet the market remains opaque and operationally complex. Direct investment usually requires specialized brokers, industrial storage, or long-term contractual arrangements. Many segments lack transparent pricing, suffer from limited liquidity, or are dominated by a few large producers. Consequently, individuals and smaller institutions struggle to participate, even though the sector is one of the most structurally important in the global economy.



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The emergence of blockchain has reshaped this dynamic. As a tamper-resistant, transparent, and globally verifiable system for recording ownership, it is widely regarded as one of the most transformative technologies of the century. It enables real-world assets—such as mineral reserves—to be represented digitally with precision, auditability, and efficiency.

Applied to minerals, blockchain allows fractional ownership of physically stored reserves, lowers entry barriers, improves traceability, and provides continuous transparency regarding asset backing. It introduces a level of clarity and accessibility that the traditional commodity sector has historically lacked.

MineralX Security Token Offering (STO) builds on this foundation. For newcomers, an STO is a regulated method of issuing digital financial instruments on a blockchain, where each token corresponds to defined rights or claims on a real asset. Unlike utility tokens, security tokens are tied to verifiable value and issued under familiar regulatory oversight. In the case of mineral-backed tokens, each unit reflects a documented share of reserves held in audited facilities, enabling participation without the complexities of handling physical commodities. This structure combines conventional investor protections with the efficiency of modern digital infrastructure.

This whitepaper outlines the technical, legal, and conceptual basis of the project, explaining the model, its core mechanisms, and the safeguards supporting integrity. It frames how strategic mineral reserves combine with transparent blockchain architecture to create a model that is both accessible and grounded in tangible value—a modern structure made possible only by recent technological advancements.



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Strategic Demand Landscape

The rare minerals sector is entering a period of rapid change as electrification, digitalization, and shifting supply chains accelerate global demand. Technologies dependent on lithium, cobalt, nickel, manganese, and rare earth elements are expanding faster than new production capacity, widening the gap between supply and long-term industrial needs. EVs and advanced battery systems remain the strongest drivers, with each new factory locking in multi-year mineral requirements. Renewable energy infrastructure further amplifies this demand, making secure mineral access a foundation of the global energy transition.

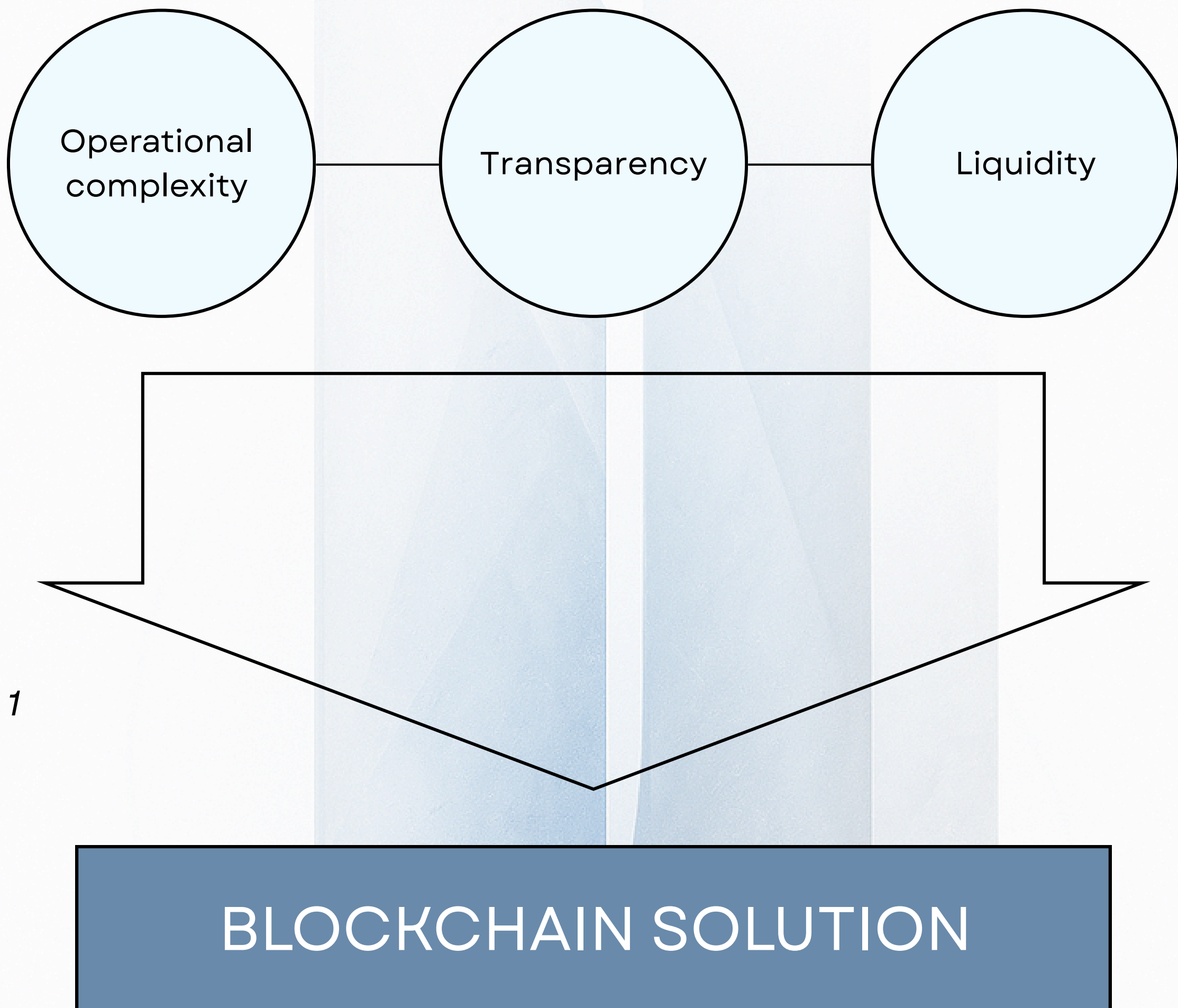
Geopolitical concentration intensifies these pressures: extraction and processing remain clustered in a few countries, and recent disruptions have exposed vulnerabilities across the supply chain. As a result, rare minerals are increasingly treated not just as commodities but as strategic assets tied to national and economic security.

Industries are now onshoring, supply remains unstable, and institutional investors are beginning to view critical minerals as a long-duration asset class. This convergence creates a timely environment for investment models built around clarity and verifiable backing.

The project positions itself within this landscape by pairing securely stored mineral reserves with fractional access through tokenization—removing traditional barriers such as large upfront commitments, logistics, and opaque pricing. The result is a transparent, auditable structure that mirrors the direction of the market: greater supply security, cleaner ownership mechanisms, and the growing institutional use of blockchain infrastructure.



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*MNX
Info chart 1*

MineralX STO integrates professionally stored mineral reserves with a tokenized access model, reducing the constraints of conventional ownership and enhancing transparency. This structure reflects the broader trajectory of the sector—toward stronger supply security, clearer asset rights, and the increasing institutional reliance on blockchain technology.



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Security Token Offering (MNX)

A Security Token Offering (STO) is a regulated method of raising capital in which investors receive blockchain-based financial instruments that represent clearly defined rights linked to real assets or corporate structures. Unlike traditional cryptocurrencies, security tokens are issued within an established legal framework, ensuring that ownership records, investor rights, and asset-backing are transparent, traceable, and verifiable. In practice, an STO blends the protections of conventional finance with the efficiency and accessibility of modern digital infrastructure, making it an increasingly recognized format for real-world asset tokenization.

The issuer has elected to structure the MineralX project as an STO because it offers the most appropriate balance between regulatory clarity and technological innovation. Traditional fundraising models often create barriers for investors due to high entry thresholds, limited liquidity, and limited visibility into underlying assets. Conversely, purely decentralized funding mechanisms may lack the oversight, disclosures, and investor safeguards expected when an offering is tied to physical commodities. By utilizing the STO model, the issuing company combines its operational foundation—grounded in structured asset management and audited reserves—with a financing approach that is transparent, verifiable, and accessible to qualified participants. This format also supports the scalable acquisition of mineral reserves while preserving clear governance and investor alignment.

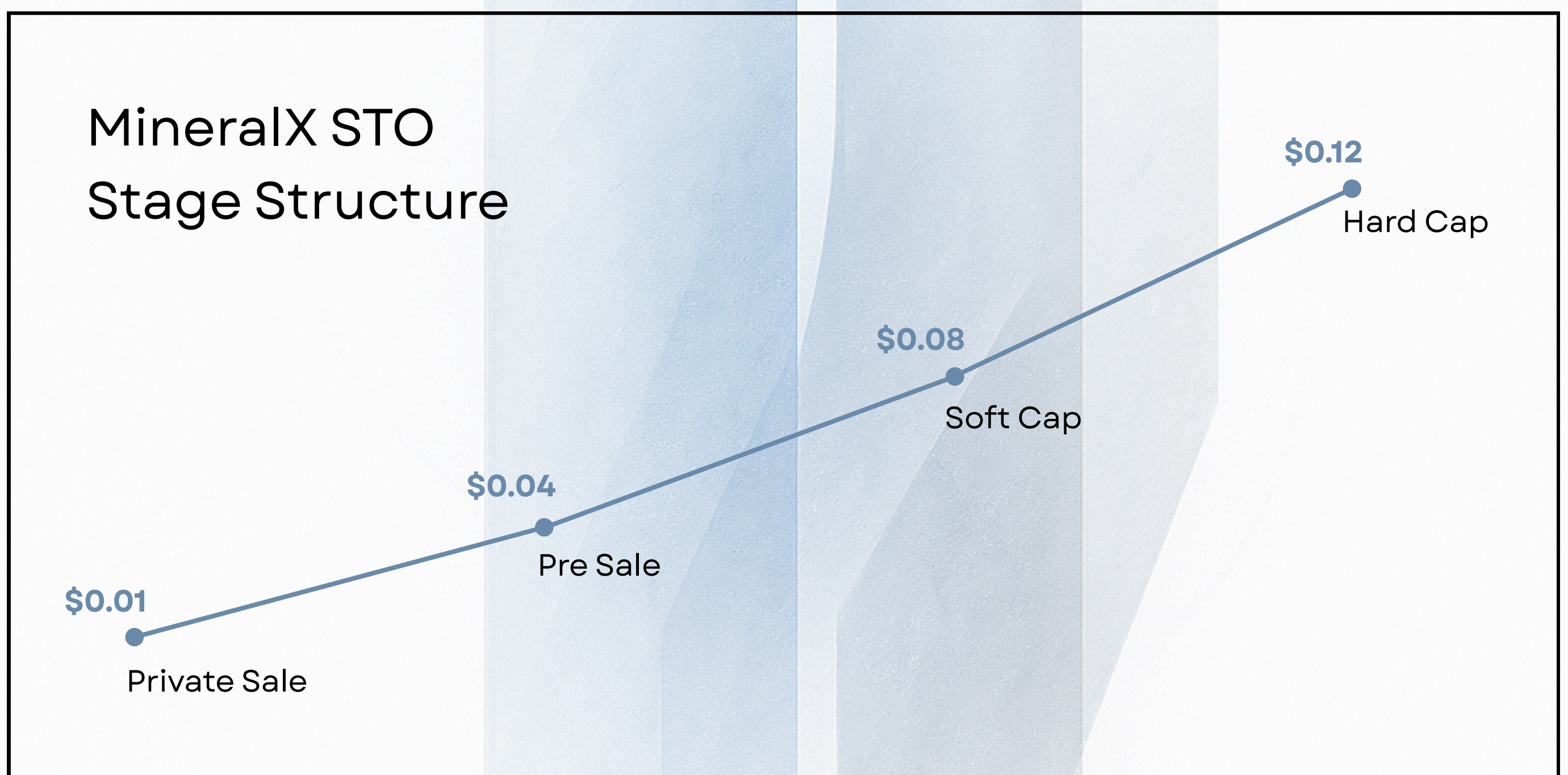
Funds raised through the MineralX STO will support the expansion and stabilization of the issuer's operations. This includes acquiring and securely storing additional mineral reserves, strengthening audit and reporting systems, and developing the infrastructure needed for long-term asset transparency.



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MineralX STO follows a staged structure designed to match the company's operational development with differentiated participation opportunities. The Private Sale phase is reserved for strategic contributors who provide initial support and long-term stability. The Pre-Sale phase broadens participation by offering access at a stage when key infrastructure elements are already in place. The fundraising model includes both a Soft Cap and a Hard Cap, establishing the minimum operational threshold required for progression and the upper limit of capital intake. This milestone-based approach allows the issuer to secure the resources needed to acquire and manage reserves at scale while enabling investors to enter at transparent valuation points. Each major phase involves a structured price increase—typically tripling at every stage—reflecting the reduced project risk and expanding asset coverage as the MineralX STO advances.



MNX
Info chart 2



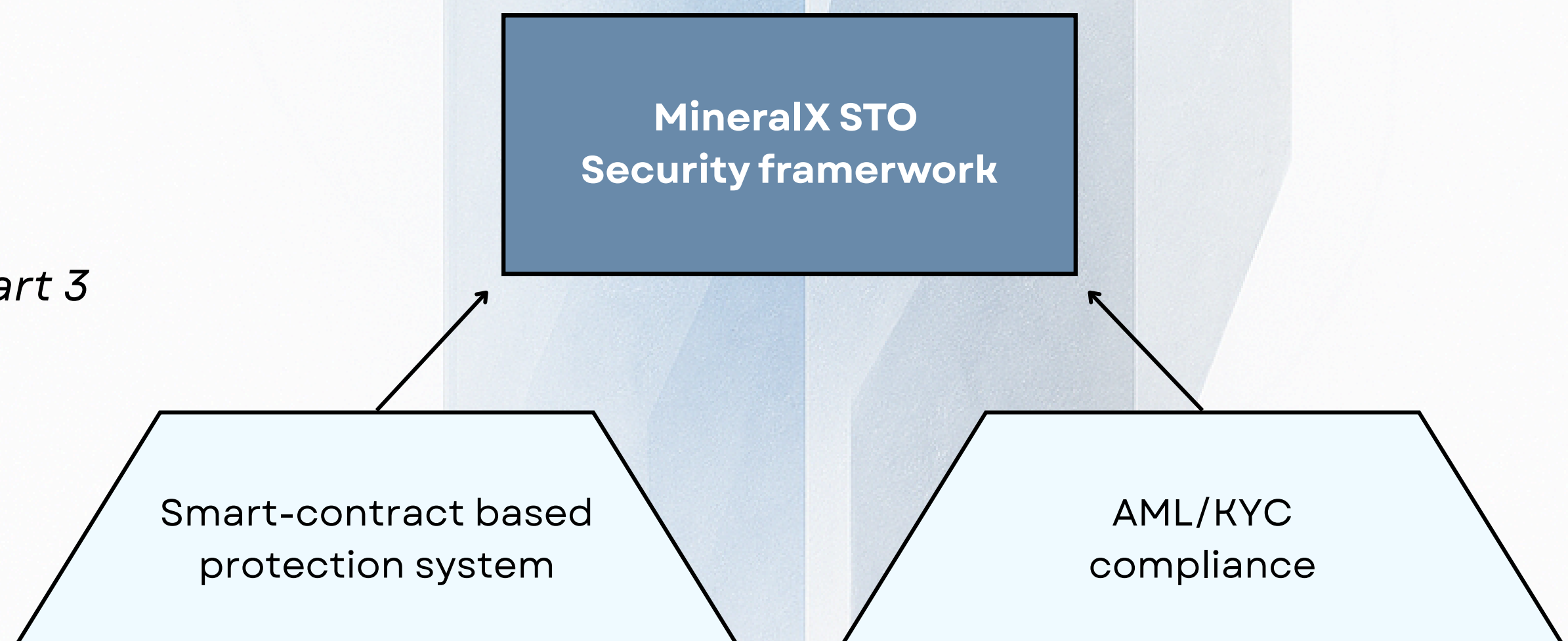
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For investors, the MineralX STO offers a structured framework with multiple layers of protection. Participation is governed by a formal legal agreement, supported by a dedicated dashboard for monitoring allocations, documentation, and ongoing updates. Full assistance is provided throughout the process to maintain clarity and communication. The MineralX STO also includes a smart-contract safeguard under which up to 90% of each investor's initial contribution is protected: if the offering does not meet its operational thresholds, potential loss is capped at 10%, with the remaining value secured by the protocol. This mechanism strengthens the risk profile of early-stage participation while maintaining regulatory alignment.

The MineralX STO is conducted with strict exclusivity and compliance oversight. It is not marketed through public channels, but instead offered through private asset-management firms, institutional partners, accredited investors, and qualified high-net-worth participants, all of whom undergo full KYC/AML verification. This controlled approach reflects the sensitivity of the underlying assets and ensures alignment with applicable regulatory requirements.

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Info chart 3*



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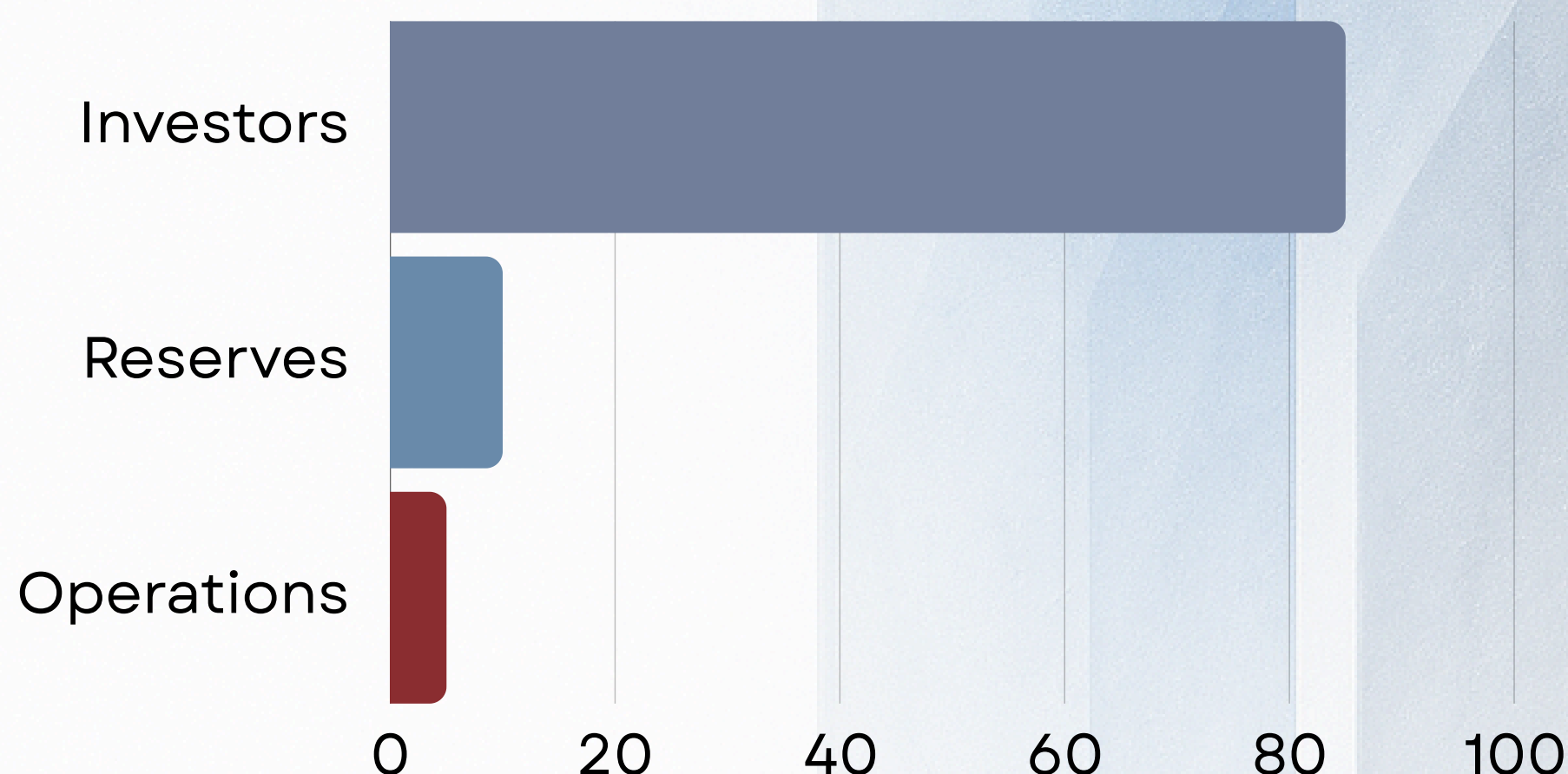
MNX Tokenomics

The MNX digital asset is issued as an ERC-20 compliant token on the Ethereum blockchain, leveraging one of the most secure, transparent, and widely adopted smart-contract standards in the industry. The token is created with a fixed maximum supply of 41,176,470,588.00 units, ensuring a predictable issuance framework and preventing inflationary expansion beyond the predetermined cap.

At launch, the token will be offered at an initial issuance price of USD 0.01, established through a valuation methodology that reflects both the project's operational requirements and the economic characteristics of the underlying rare-minerals market. This structure allows early participants to engage at a transparent, model-driven entry point aligned with institutional best practices.



*MNX token
visualisation*



MNX Token allocation



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Roadmap

Idea formation

Analyzing rare-mineral markets and identifying opportunities for a regulated tokenized structure anchored to real-world mineral value.

Product Design

Designing the security-token model, smart-contract logic, and investor interface to ensure robustness and operational clarity.

Validation & Testing

Conducting audits, compliance checks, and performance tests to verify system integrity and regulatory adherence.

Conceptual Development

Defining the STO framework, regulatory alignment, and technical architecture required for compliant asset-backed issuance.

Product Prototyping

Building a functional prototype to validate token behavior, on-chain processes, and core system interactions.

Launching

Executing a structured launch phase, onboarding qualified investors, and securing strategic partnerships across the rare-minerals ecosystem.





Conclusion

The MineralX Security Token Offering represents a structured approach to participating in an asset class shaped by long-term global demand, constrained supply dynamics, and increasing institutional interest. By combining a compliant issuance framework with a transparent token architecture, the project aims to provide qualified participants with a regulated gateway to mineral-linked exposure while maintaining a disciplined operational environment.

The platform, technical model, and governance framework outlined in this document are designed to evolve as regulatory, market, and technological conditions progress. Each component—from token issuance to lifecycle management—has been built with an emphasis on stability, auditability, and alignment with applicable standards.

This whitepaper is not intended to define all future developments; rather, it provides a structural overview of the project's foundations, value drivers, and operational direction. As the offering advances, further documentation, disclosures, and updates will be made available through official channels to ensure that participants remain informed throughout each stage of the MineralX STO lifecycle.

The initiative ultimately seeks to establish a reliable, institution-grade interface between digital securities and real-world mineral assets, contributing to the broader maturation of tokenized infrastructure within the global commodity landscape.



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Legal Framework & Disclosures

MineralX Security Token Offering, together with all related documentation, is governed by the Law of Spain. Any dispute, claim, or proceeding arising from or connected to the Offering shall be subject to the exclusive jurisdiction of the courts of Spain. Recipients are responsible for ensuring that participation in the Offering complies with the legal and regulatory requirements of their own jurisdiction.

This whitepaper provides a high-level overview of the MineralX Security Token Offering and is intended solely for general informational purposes. All information is presented on a non-exhaustive, illustrative basis and may be subject to adjustments or further clarification without notice.

Participants should independently evaluate all relevant factors, conduct their own due diligence, and carefully consider the risks, uncertainties, and operational assumptions referenced throughout this document. Any decision to participate in the offering must be made solely at the reader's discretion and based on their own analysis, professional advice, and risk tolerance.



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Contact Information

Dedicated support is available for matters related to documentation, technical components, and procedural steps of the offering. Please note that communications with the project team may be handled in accordance with relevant regulatory, reporting, and record-keeping obligations.

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