

metano.org



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Introduction

Metano, translating to methane in English, is a cutting-edge decentralized cryptocurrency project birthed in the vibrant and innovative landscapes of Miami, Florida. It is the innovative creation of Elias DaSilva, a seasoned internet entrepreneur, and his team of highly skilled blockchain architects, each a luminary in their own right. They work meticulously, positioning Metano as a beacon of progressive thinking and celestial wonder.

Metano is not merely a technological endeavor—it's a fusion of forward-thinking blockchain solutions and a profound fascination with the mysteries of the cosmos. It stands as a symbol, epitomizing the convergence of avant-garde technology and the limitless potential of space exploration.

Our core mission resonates with a symbiotic blend of our zeal for

revolutionary blockchain methodologies and a deep, respectful awe for the enigma that is the cosmos. We are more than innovators in blockchain; we are the curators of celestial aspirations, fascinated by the universe's everlasting puzzles.

In alignment with our cosmic aspirations, we've earmarked **30% of our tokens**, with the optimistic outlook of their value reaching **\$0.35 per token**. This strategic allocation positions us to potentially make substantial contributions, whether through investment or donation, if accepted, to the pioneering missions of space exploration led by esteemed entities such as SpaceX, NASA, and other prominent space organizations. Our primary focus remains steadfast in bolstering their ambitious endeavors, especially their audacious expeditions to Mars.

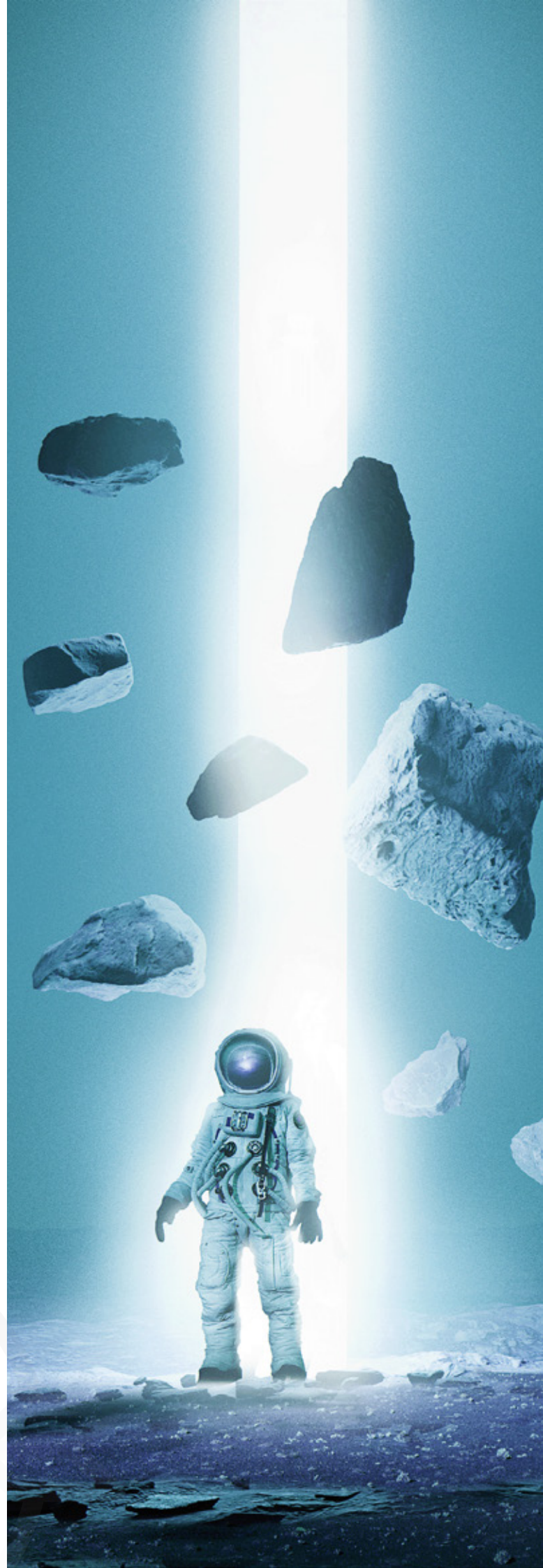
"Metano" represents more than just a token—it symbolizes our commitment to unite cutting-edge technology with the boundless wonders of the cosmos.



Our Mission

At Metano, we seamlessly merge our passion for blockchain innovation with an insatiable fascination for the cosmos. We are more than just pioneers in blockchain technology; we are cosmic visionaries, captivated by the mysteries of the universe. With this fervor, **we allocate 30% of our tokens, driven by optimism about their potential to advance space exploration, particularly ambitious missions to Mars.** Our profound admiration extends to trailblazers such as **SpaceX** and **NASA**, propelling progress in both technology and interstellar exploration. 'Metano' is more than just a token; it is our solemn commitment to bridging cutting-edge tech with the vast expanse of space.

Join us on a journey where tomorrow's technology becomes today's gateway to the stars.





Metano's Vision

Metano's vision transcends terrestrial boundaries, aiming to spearhead initiatives that push the frontiers of human potential and technological innovation. By harnessing cutting-edge technologies and insightful financial strategies, Metano is poised to navigate the intricate realms of advanced development, contributing significantly to humanity's overarching pursuits.

Furthermore, Metano envisions a future where the universality of cryptocurrency enables the acquisition of both high-value assets like homes and vessels, and everyday items such as event tickets. The Metano Foundation is actively collaborating with leading web portal development companies to actualize

this transformative shift in commerce. **Recognizing the current restrictive landscape of cryptocurrency utilization, we are dedicated to expanding the horizons where crypto-assets can be expended.**

The Metano Foundation remains steadfast in its mission to cultivate an ecosystem where the acceptance of all cryptocurrencies is the norm, not the exception. This commitment not only lays down the foundation for a globally inclusive financial ecosystem but also amplifies the value and acceptance of the Metano token within the dynamic tapestry of digital currency.



Blockchain Technology

Metano stands as a beacon of innovative aspirations, with visions set on developing a groundbreaking blockchain platform in the future. Our aspiration is to bridge the existing divide between traditional finance and the dynamic realm of cryptocurrencies. This future blockchain platform is conceptualized to provide seamless and enriched trading experiences for both businesses and individuals.

Our forthcoming blockchain technology aims to offer minimal transaction fees, unparalleled scalability, diminished latency, and elevated throughput, ensuring reliability in handling high-volume transactions. Our goal is to establish a robust ecosystem with our partners to redefine online shopping through pioneering blockchain solutions.

Once realized, users will have the flexibility to purchase a myriad of products, ranging from high-value assets like real estate and vehicles to unique valuables such as NFTs and event tickets, all facilitated by the Metano blockchain. **We are committed to navigating the path where futuristic technology aligns with convenience, creating a world where ambitions are transformed into innovative realities.**





Why SpaceX?

Founded by Elon Musk in 2002, is at the forefront of the modern space age, pioneering technologies that are reshaping our approach to space exploration.

SpaceX, founded by Elon Musk in 2002, is at the forefront of the modern space age, pioneering technologies that are reshaping our approach to space exploration. SpaceX's innovative Raptor engines, powered by a mixture of methane and oxygen—components producible on Mars—represent a groundbreaking approach to sustainable interplanetary travel, aiming for eventual human-crewed missions to Mars and lunar landings through the development of the Starship system.

We resonate deeply with SpaceX's commitment to unlocking the cosmos for humanity and democratizing space travel.

Our belief in their revolutionary strides is not just about their groundbreaking technologies but also their unwavering commitment to making space accessible and cost-effective through innovations like reusable rocket systems.

In recognizing SpaceX's transformative impact on aerospace, we stand firm in our support, envisioning a future where spaceflight is within reach for everyone.

As passionate advocates for space exploration and technology, we look to SpaceX as the beacon leading us into a new era, where the mysteries of the cosmos become solvable riddles.

Legal Disclaimer: While the Metano Foundation ardently supports and believes in the mission and vision of SpaceX, it is imperative to note that there is no affiliation, endorsement, or partnership between our organizations. Our commitment is an independent endeavor, stemming from shared aspirations for the future of space exploration.



Why NASA?

NASA, the National Aeronautics and Space Administration, has been the global standard-bearer for space exploration and aeronautics research since its inception in 1958.

With its illustrious history of space missions, lunar landings, and interplanetary probes, NASA continues to unravel the mysteries of the cosmos and push the boundaries of human knowledge and capability.

NASA's extensive research and development in space technology, including the pioneering use of methane as a sustainable fuel source, mirror the values and aspirations of the Metano Foundation. Their relentless pursuit of scientific excellence and exploration drives them to create innovations that have far-reaching impacts, extending beyond space exploration to advancements in technology, medicine, and environmental science.

We see in NASA a shared dream—for a future where the vastness of space is not a barrier, but a new frontier of possibilities and discoveries.

Our support is an expression of our belief in NASA's mission to go beyond the known and seek answers to the most profound questions of our existence. Together, we aspire to be part of a journey that propels humanity to new heights, unlocking the boundless potential of the cosmos.

Legal Disclaimer: The Metano Foundation ardently supports NASA's mission and groundbreaking work, but it is crucial to clarify that we are not officially affiliated, endorsed, or in partnership with NASA. Our dedication stems from a mutual passion for exploring the unknown and is a unilateral effort to contribute to the vision of unveiling the secrets of the universe.



Unlocking the Potential: **IN SITU RESOURCES IN SPACE EXPLORATION**

Is a term used in the context of space exploration, particularly in reference to resources that can be found on planetary surfaces. It refers to resources that are available in the environment where they are needed, without having to bring them from Earth. For example, methane and oxygen are examples of situ resources that can be found on Mars.

SpaceX is exploring the use of situ resources on Mars to fuel their rockets, which could potentially reduce the cost of space travel and make it more sustainable. By using situ resources, it would not be necessary to transport large amounts of fuel from Earth, which can

be expensive and impractical. **Instead, resources that are available on the surface of Mars could be extracted and processed to produce fuel for the rockets.**

In situ” is a Latin phrase that translates to “in the original place” or “in position.” In the context of space exploration and various scientific fields, it refers to conducting investigations, measurements, or utilizing resources right where they are found, **without moving them to another location.**

In the realm of space exploration, “in situ resource utilization” (ISRU)

Signifies the practice of leveraging resources found on celestial bodies, such as moons or planets, to support exploration missions. The concept of in situ resource utilization is pivotal for sustained human presence and long-duration missions in space, particularly for destinations like Mars.

Examples and implementation



FUEL PRODUCTION

Methane and Oxygen on Mars: SpaceX, among others, is exploring the possibilities of producing fuel using the resources available on Mars, notably methane and oxygen, to support the return journey to Earth and sustain human colonies on Mars.



BUILDING MATERIALS

Regolith on the Moon and Mars: NASA and other space agencies are researching technologies to use the loose rock and soil (regolith) found on the lunar and Martian surfaces to construct habitats and shield them from radiation.



WATER EXTRACTION

Ice on the Moon and Mars: Water ice found at the poles of the Moon and in the subsurface of Mars can be extracted and used for drinking, growing plants, and can be split into hydrogen and oxygen through electrolysis to create breathable air and rocket propellant.



BENEFITS OF IN SITU RESOURCES

Reduced Launch Mass: Utilizing resources found in space reduces the need to launch them from Earth, significantly cutting down the overall mission mass and cost.



EXTENDED MISSION DURATION

The availability of resources like water and fuel in space can support longer mission durations and enable more extensive exploration of celestial bodies.



SUSTAINABILITY

In situ resource utilization is key for establishing a sustainable presence in space, reducing dependency on Earth-supplied resources and creating a self-sustaining environment for humans.



ENHANCED EXPLORATION CAPABILITIES

Having the ability to utilize resources found in space can allow for the development of more advanced technologies and mission concepts, furthering our understanding of the universe.



Conclusion

In situ resources play an integral role in the advancement of space exploration. They not only make missions economically viable and logistically feasible but also pave the way for the sustainable exploration and eventual colonization of celestial bodies by humankind.

By harnessing in situ resources, we are laying the foundation stones for future generations to live and thrive beyond Earth, exploring the myriad wonders our universe holds.

Methane (Metano) fueling the future of SPACE EXPLORATION

Methane, scientifically denoted as CH₄, is the simplest alkane and a vital chemical compound, consisting of a singular carbon atom covalently bonded to four hydrogen atoms. It is the primary constituent of natural gas and finds its existence abundantly on Earth, making it a prominent and economical fuel choice, especially crucial in the ambit of interstellar journeys.

Importance in SPACE EXPLORATION

Methane stands out as a pivotal fuel in the sphere of space exploration due to its environmental and operational advantages over other hydrocarbons and conventional fossil fuels like coal and gasoline. When combusted, methane emits a high calorific value, providing more light and heat energy compared to its counterparts. The emission of pollutants and CO₂ is considerably less, rendering it environmentally advantageous.

Efficiency and ENVIRONMENTAL IMPACT

Methane-powered engines exhibit the capacity to function at elevated pressures, which is about 20% more efficient than engines running on kerosene, leading to a decline in fuel consumption and enhancing the economic viability of space expeditions. The ecological footprint of methane is relatively smaller due to lower carbon emissions during combustion, contributing to a sustainable approach to fuel consumption in space missions.

Application in LONG-DISTANCE TRAVEL

The abundance and properties of methane make it a practical and effective fuel for long-distance space travel. Its viability and efficiency become especially crucial when considering missions to planets like Mars, where utilizing in situ resources is fundamental for sustainability and practicality of missions, paving the way for groundbreaking advancements in space exploration technologies.





Conclusion

Methane, or Metano, with its unique characteristics and benefits, is steering a new epoch in space exploration, providing a blend of efficiency, sustainability, and practicality. Its role in propelling space missions and reducing environmental impact emphasizes its significance in the ongoing evolution of space travel and exploration, setting the stage for future innovations and discoveries in the cosmos.



Producing

METHANE ON MARS

The synthesis of methane on Mars is pivotal for sustaining space exploration, creating the potential for establishing on-site methane production facilities for refueling spacecraft and supporting life. The Martian atmosphere is rich, composed of over 95% carbon dioxide, coupled with the presence of substantial subsurface water—key ingredients for the production of methane and oxygen.

Unlocking Martian

SELF-SUFFICIENCY

With the advent of sophisticated technology, it is conceivable to achieve a level of Martian self-sufficiency by synthesizing methane directly from the planet's abundant resources. This synthesis would not only aid in fueling spacecraft but also establish the foundational support for human habitation and survival.

The Sabatier

PROCESS

The innovative Sabatier reaction plays a central role in this endeavor. Leveraging solar-powered technology, electricity is generated to induce the electrolysis of the prevalent carbon dioxide. This electrolyzed carbon dioxide, when amalgamated with the water ice indigenous to Mars, engenders methane and oxygen.



Vision for **THE FUTURE**

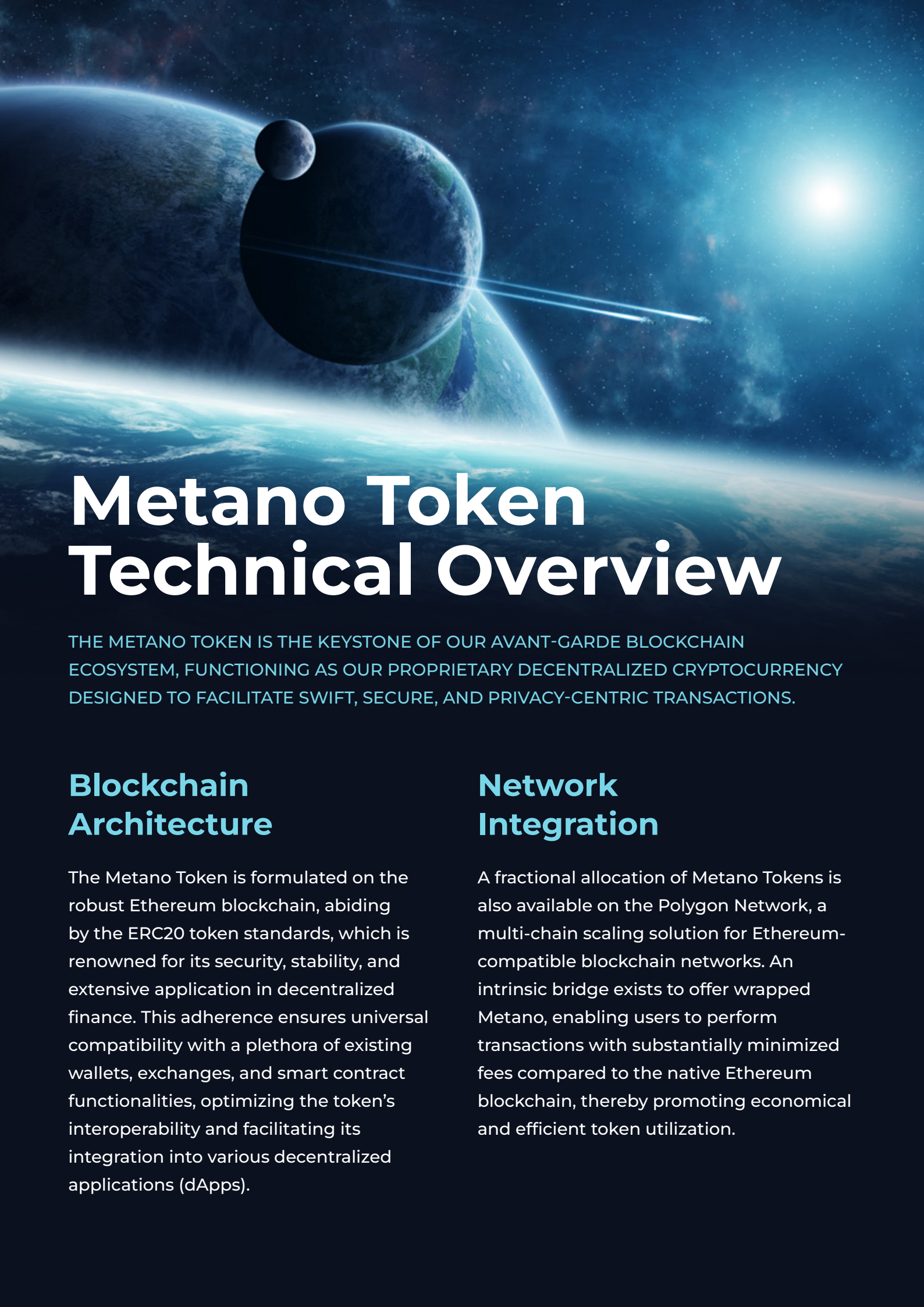
The production of methane on Mars opens up new horizons in space exploration, allowing for more extended and sustainable missions. It also lays the groundwork for the eventual colonization of Mars, with the promise of self-sustainability and advancement in extraterrestrial environments. By tapping into Mars' native resources, we edge closer to unraveling the mysteries of our solar system and expanding the boundaries of human civilization beyond the confines of Earth.

Catalyst for **MARTIAN THRIVING**

Methane, serving as a reliable fuel source, and oxygen, vital for respiration, become the lifelines for human presence on Mars. These indispensable resources would be instrumental in fostering human existence, exploration, and prosperity on the Red Planet.

BY LEVERAGING THE ABUNDANT RESOURCES AND ADVANCED TECHNOLOGIES, THE SYNTHESIS OF METHANE ON MARS STANDS AS A BEACON OF HOPE AND A TESTAMENT TO HUMAN INGENUITY, PAVING THE WAY FOR A NEW ERA IN OUR COSMIC JOURNEY.





Metano Token Technical Overview

THE METANO TOKEN IS THE KEYSTONE OF OUR AVANT-GARDE BLOCKCHAIN ECOSYSTEM, FUNCTIONING AS OUR PROPRIETARY DECENTRALIZED CRYPTOCURRENCY DESIGNED TO FACILITATE SWIFT, SECURE, AND PRIVACY-CENTRIC TRANSACTIONS.

Blockchain Architecture

The Metano Token is formulated on the robust Ethereum blockchain, abiding by the ERC20 token standards, which is renowned for its security, stability, and extensive application in decentralized finance. This adherence ensures universal compatibility with a plethora of existing wallets, exchanges, and smart contract functionalities, optimizing the token's interoperability and facilitating its integration into various decentralized applications (dApps).

Network Integration

A fractional allocation of Metano Tokens is also available on the Polygon Network, a multi-chain scaling solution for Ethereum-compatible blockchain networks. An intrinsic bridge exists to offer wrapped Metano, enabling users to perform transactions with substantially minimized fees compared to the native Ethereum blockchain, thereby promoting economical and efficient token utilization.

Technical Specifications

PROTOCOL

ERC20 Standard on the Ethereum Blockchain.

SECONDARY NETWORK

Polygon for enhanced scalability and reduced transaction costs.

INTEROPERABILITY

Universal compatibility with diverse wallets and exchanges due to adherence to ERC20 standards.

PRIVACY & SECURITY PROTOCOLS

Advanced cryptographic techniques employed to ensure the confidentiality and integrity of user data and transaction information.





Transactional Efficiency & Security

Metano Token employs cutting-edge cryptographic protocols and security mechanisms to offer swift and fortified transactions, mitigating the associated risks and ensuring optimal user experience and trust.

User-Centric Design

The Metano Token, with its enhanced privacy features and multi-network availability, is meticulously designed to cater to a diversified user base, providing an inclusive, user-friendly, and versatile transactional medium in the decentralized finance ecosystem.

Metano's Visionary Landscape

Envision a realm where the distinctive lines between cryptocurrency and traditional finance are seamlessly integrated through advanced blockchain technology. This evolution empowers fluid crypto-fiat conversions, eliminating the constraints and impediments of conventional financial systems, and enabling users to transact digital assets with unparalleled freedom.

In this innovative realm, Metano orchestrates a comprehensive ecosystem, synergizing with strategic partners to revolutionize e-commerce experiences. Sophisticated, blockchain-powered platforms grant users the ability to acquire a diverse array of assets, from substantial holdings like real estate and automobiles to eclectic items such as NFTs and event passes.

Metano's ambitions transcend the boundaries of our planet, synchronizing our objectives with pioneers such as SpaceX and NASA to realize the first manned mission to Mars. By harnessing cutting-edge technologies and insightful financial strategies, Metano stands at the forefront of navigating the complexities of space exploration, pushing the boundaries of humanity's interplanetary endeavors.

Additionally, Metano envisions a future where crypto-assets become a universal medium for acquiring both high-value assets like homes, vessels, and vehicles, and everyday items like event tickets. To this end, the Metano Foundation is proactively collaborating with web portal development companies to facilitate this revolutionary shift in commerce. We acknowledge the current limitations in the crypto-commerce landscape, where opportunities for spending cryptocurrencies are scarce.

The Metano Foundation is unwavering in its commitment to fostering a universally inclusive crypto-commerce environment, advocating for the broad acceptance of all cryptocurrencies. This endeavor not only paves the way for a more inclusive financial future but also propels the growth and acceptance of the Metano token in the evolving digital economy.

Embrace the innovation and transformation embodied by Metano and become an integral part of this transformative journey, reshaping the future of finance, e-commerce, and space exploration landscapes!





METANO Roadmap

The Metano roadmap serves as a strategic blueprint for the journey the Metano foundation embarks upon in the expansive world of cryptocurrency.

Drawing inspiration from the celestial, our roadmap is segmented into four planetary milestones: Earth, Moon, Jupiter, and Mars.

This isn't just a nod to space exploration; it's a testament to our vast ambitions and the progressive steps we've envisioned to reach those goals.

01



EARTH
PHASE

02



MOON
PHASE

03



JUPITER
PHASE

04



MARS
PHASE

Roadmap



✓ ACCOMPLISHED

01. EARTH PHASE

The Earth phase is our grounding stage, our starting point. Here, we lay the foundational elements for Metano. Core team recruitment, infrastructure setup, and initial research happen during this phase. As the birthplace of our token, the Earth stage encapsulates our grassroots and humble beginnings.



✓ ACCOMPLISHED

02. MOON PHASE

As we ascend to the Moon phase, our focus shifts to prototyping and preliminary testing. It's a leap from our foundational elements toward tangible developments. The light of innovation shines brighter as we delve deeper into tokenomics, begin community engagement, and lay the groundwork for partnerships.

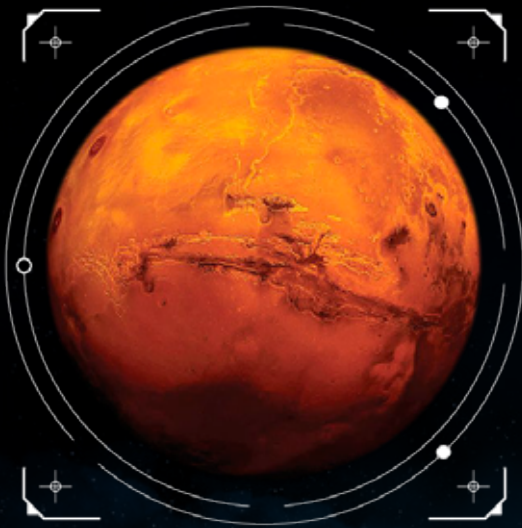


✓ ACCOMPLISHED

03. JUPITER PHASE

Jupiter, being the largest planet in our solar system, symbolizes the scale-up and expansion of our operations. At this juncture, we engage in extensive marketing campaigns, broaden our partnership horizon, and work on enhancing the token's utility. This phase is characterized by robust growth and establishing Metano's presence dominantly in the crypto arena.

Roadmap



PHASE IN PROGRESS

04. **MARS PHASE**

Mars, symbolic of audacity and the next frontier for human exploration, perfectly mirrors our ambition to challenge conventions and redefine the paradigms of cryptocurrency. In this culminating phase, our vision takes shape in multiple dimensions:

Full-Scale Platform Deployment

Launching our complete suite of services, ensuring seamless transactions, and top-tier user experiences for every Metano token holder.

Global Outreach

Expanding our footprint to ensure Metano's presence is felt across continents, thus cementing our legacy as a pioneering force in the crypto realm.

Strategic Partnerships

In line with our goals, we aim to form alliances with major stakeholders in the automotive and real estate sectors. This would empower users to easily acquire assets, be it cars or homes, using the Metano token, thereby elevating its utility and ubiquity.

Roadmap



PHASE IN PROGRESS

04. MARS PHASE

Integration with Polygon

By establishing a bridge with the Polygon blockchain, we seek to mitigate transaction fees, making the purchase of Metano tokens not only more accessible but also cost-effective. This move underscores our commitment to providing value to our community.

Space Exploration Endeavor

A core tenet of our mission, as the Metano token appreciates to a valuation of \$0.35, we'll pivot towards materializing our aspirations in space exploration. The dream of a Mars mission, once the stuff of fiction, will inch closer to reality as we direct our resources and passion towards it.



Our Mars phase isn't just an endpoint; it's the zenith of our journey, where dreams meet determination, and where Metano transcends from being a token to a testament of innovation and vision.



METANO Roadmap

Each planetary phase not only signifies a period of time but a quantum leap in our endeavors, innovation, and commitment. The journey through these phases represents countless hours of dedication, research, and perseverance by the Metano team.

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