METANOVA VERSE

Whitepaper V.1.
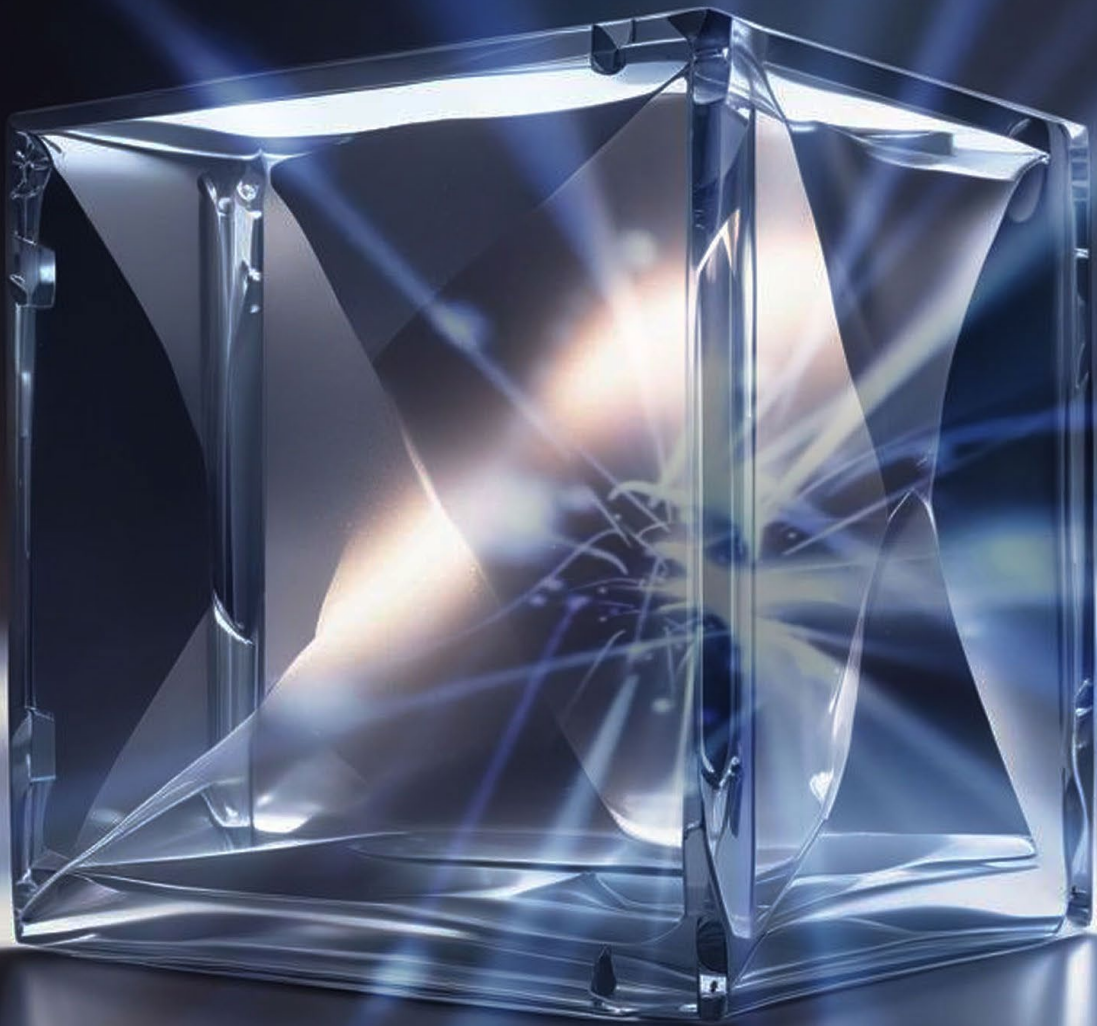
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01 INTRODUCTION

1.1. Background

Metanova Verse represents a cutting-edge blockchain platform developed to solve the key challenges of today's decentralized ecosystems. It leverages state-of-the-art technologies to offer unparalleled scalability, multi-chain operability, and the ability to tokenize real-world assets in a secure, interoperable environment.

1.2. Problem Statement

As blockchain adoption increases, traditional Layer 1 blockchains face major challenges in terms of scalability, interoperability, and ease of integration with existing Web2 infrastructure. Metanova Verse seeks to address these issues by offering an enhanced blockchain system that bridges decentralized and centralized solutions while providing higher levels of scalability and security.

1.3. Vision and Mission

Our vision is to create a blockchain that facilitates the convergence of on-chain and off-chain ecosystems, allowing users, developers, and businesses to interact seamlessly across different blockchain networks. The mission is to empower a decentralized future with trustless, scalable, and secure technologies, laying the foundation for a new digital economy.

02 MARKET OVERVIEW

2.1. Blockchain and Web3 Trends

Blockchain technology and Web3 ecosystems have seen rapid growth. According to multiple industry reports, the global blockchain market is expected to grow significantly, fueled by the rise of decentralized finance (DeFi), non-fungible tokens (NFTs), and other decentralized applications.

2.2. Current Limitations of Layer 1 Chains

Most existing Layer 1 blockchains suffer from scalability limitations, slow transaction speeds, and high costs. These challenges hinder mainstream adoption, especially when it comes to integrating with traditional financial systems and scaling to support global use cases.

03 CORE TECHNOLOGIES

3.1. Layer 1 Blockchain Architecture

Metanova Verse's architecture is purpose-built to ensure scalability, decentralization, and security. The Layer 1 blockchain leverages modular architecture that allows for horizontal scaling without compromising performance. This ensures that even as demand increases, the network can sustain a high throughput of transactions.

3.2. Delegated Proof-of-Stake (DPoS) Consensus

Using Delegated Proof-of-Stake (DPoS) for consensus, Metanova Verse ensures fast finality while maintaining energy efficiency. Validators are elected based on votes from token holders, which democratizes control of the network while keeping transaction costs low.

3.3. Cross-Chain Interoperability

Metanova Verse integrates various blockchain networks, providing cross-chain operability. It uses bridges and JSON-RPC to ensure smooth interactions between different blockchain platforms, whether they are Layer 1 or Layer 2.

04 ECOSYSTEM AND INTEROPERABILITY

4.1. EVM Compatibility

Metanova Verse is fully compatible with Ethereum's Virtual Machine (EVM), making it easy for developers to migrate their dApps and smart contracts from Ethereum. This compatibility reduces the barrier to entry for developers, fostering innovation and increasing adoption.

4.2. Cosmos SDK and Tendermint Integration

The platform integrates with Cosmos SDK and Tendermint, two proven technologies that support blockchain scalability and interoperability. This allows Metanova Verse to operate in a multi-chain environment while ensuring fast transaction finality.

4.3. JSON-RPC and Bridge Mechanisms

To facilitate interoperability between various blockchain networks, Metanova Verse uses JSON-RPC and bridge mechanisms that enable seamless asset transfers and cross-chain functionality.

GAMING   DEX   AI   DEFI

CHAIN

CYRPTO WALLET   CYRPTO CARD   NFT MARKETPLACE   RWA
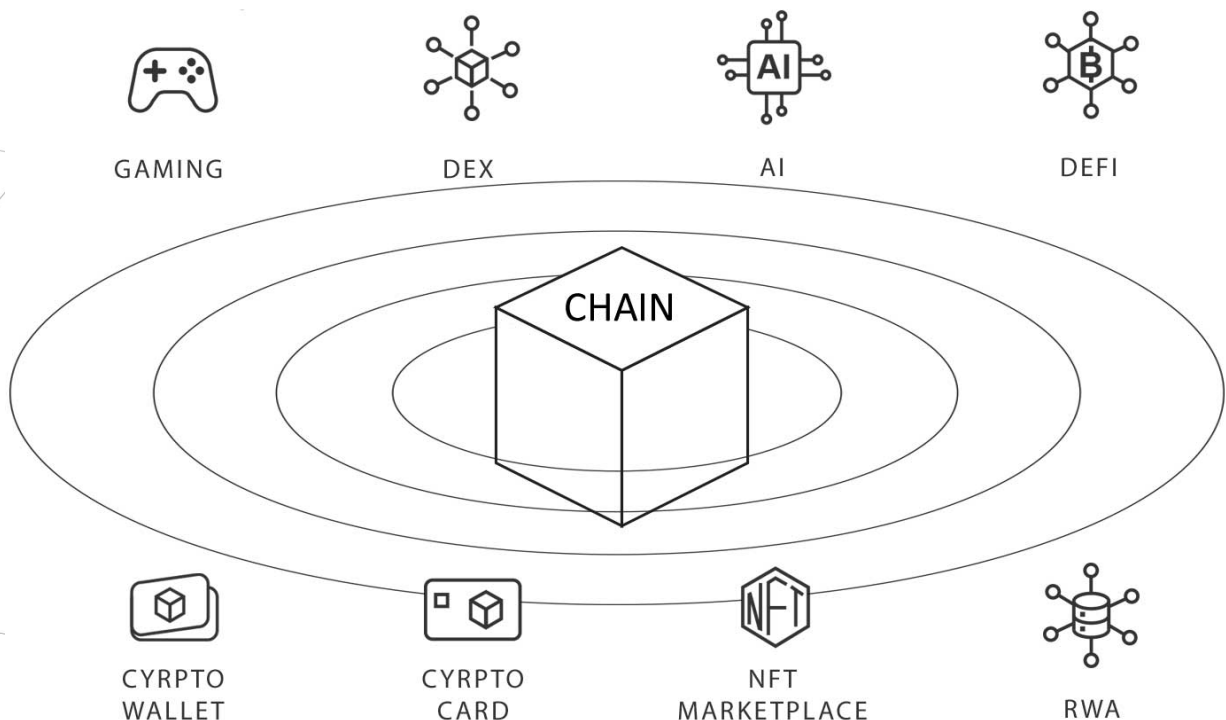
05 SECURITY AND SCALABILITY

5.1. Validator System

Metanova Verse relies on a Delegated Proof-of-Stake (DPoS) consensus mechanism to ensure network security while maintaining scalability. Validators are elected by token holders to validate transactions, create new blocks, and secure the network. The decentralization of this validator selection process ensures resilience against malicious actors. Validators are required to stake Metanova Verse tokens (MNV) as collateral, which incentivizes honest behavior. Bad actors who attempt to validate incorrect or fraudulent transactions are penalized through a slashing mechanism, where a portion of their staked tokens are forfeited.

5.2. Staking and Governance

Token holders can delegate their tokens to validators, participate in governance, and earn staking rewards. This staking process aligns the interests of both validators and users by giving them a direct role in the governance and operation of the blockchain.

The governance system is decentralized, with all token holders having the power to propose and vote on protocol upgrades, fee structures, and other decisions impacting the blockchain. Proposals that receive majority support are implemented, ensuring that Metanova Verse evolves according to community consensus.

5.3. Blockchain Security Measures

Security is a core priority for Metanova Verse. In addition to the DPoS consensus mechanism, the network implements various cryptographic protocols to ensure transaction and smart contract integrity. Regular audits are conducted to identify and resolve potential vulnerabilities. The use of cutting-edge encryption and Merkle tree structures ensures that data remains secure and verifiable.

Advanced techniques like zero-knowledge proofs and multi-signature wallets are also integrated into the protocol to enhance privacy and security for users, further protecting assets and information.

06 TOKENOMICS

6.1. MNV Token

MNV token is the native chain token for both current Testnet as well as future MainNet. It is also the token for staking rewards and validator rewards.

MNV is also available on BSC token on token contract. The balances of this token will be mirrored to TGE initial distribution on the MetaNova Verse MainNet.

https://bscscan.com/token/0x591c3b5065C3812Ce9382ff82c59932701f521aD

In addition, MNV token will be available in other major chains as well with bridging to the Mainnet.

6.2. Staking Rewards and Validator Incentives

Token holders who stake their MNV tokens to validators earn a share of the network's block rewards and transaction fees. This model creates a strong incentive for users to participate in staking, as they can generate passive income while helping secure the network.
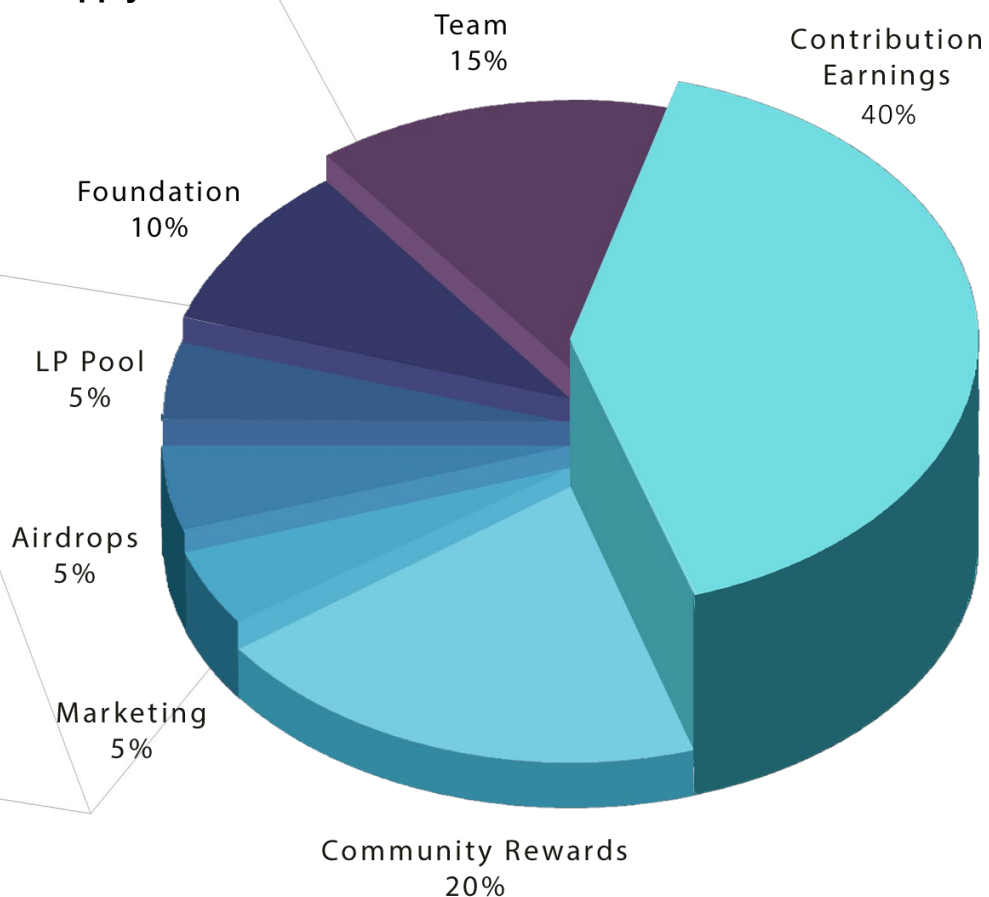
Validator incentives are designed to maintain a stable and secure network. Rewards are distributed based on validator performance, meaning that those who operate efficiently and honestly will receive higher returns.

6.3. Deflationary Model

Metanova Verse incorporates a deflationary economic model in which a portion of transaction fees are burned, gradually reducing the total supply of MNV over time. This deflationary mechanism is designed to increase the scarcity and long-term value of MNV, rewarding early adopters and long-term holders.

6.4. Allocation

TOKEN Name – MNV
Supply – 100 Billion

Team 15%
Contribution Earnings 40%
Foundation 10%
LP Pool 5%
Airdrops 5%
Marketing 5%
Community Rewards 20%

07 KEY FEATURES

7.1. Developer-Friendly Environment

Empower your creativity with our comprehensive suite of developer tools and resources. From smart contract libraries to detailed documentation and tutorials, we make building on MetaNova Verse a breeze.

7.2. Decentralized Governance

Shape the future of MetaNova Verse with our transparent and inclusive governance model. Participate in decision-making processes and help steer the direction of our blockchain ecosystem.

7.3. Cross-Chain Compatibility

Achieve interoperability with other blockchains effortlessly. Our platform supports seamless cross-chain transactions and asset transfers, unlocking new possibilities for decentralized finance (DeFi) and beyond.

7.4. Robust Ecosystem

Join a thriving community of innovators, developers, and entrepreneurs.

08 USE CASES AND APPLICATIONS

8.1. MNV Crypto Card

Pay by Crypto using the MNV Crypto Card at any merchant that accept Visa or Mastercard.

8.2. Financial Applications

Metanova Verse is designed to support a wide range of financial applications, including decentralized lending, borrowing, and payments. Users can access decentralized finance (DeFi) services, where they can stake their assets, provide liquidity, and earn rewards without relying on centralized intermediaries. Additionally, Metanova Verse supports stable coins and synthetic assets, expanding the ecosystem's financial offerings.

8.3. DeFi and NFT Ecosystems

The platform fully supports decentralized finance (DeFi) protocols, offering users access to liquidity pools, decentralized exchanges (DEXs), and yield farming opportunities. Metanova Verse also enables the creation, trading, and governance of non-fungible tokens (NFTs), which can represent digital art, real estate, collectibles, and more.

Metanova Verse's NFT framework ensures secure ownership and exchange of digital assets, with the potential for artists, creators, and businesses to explore new monetization avenues.

8.4. Supply Chain and IoT

Metanova Verse integrates blockchain technology with supply chain management and the Internet of Things (IoT). By providing immutable records of transactions, the platform enhances transparency and traceability across global supply chains. IoT devices can also be integrated into the network, allowing real-time data from physical objects to interact with smart contracts, facilitating automation and enhancing operational efficiency.

09 BUILD ON METANOVA VERSE

9.1. Why Build on MetaNova Verse?

- **Scalable Infrastructure:** Our blockchain is designed for high performance and scalability, ensuring your applications run smoothly.

- **Developer-Friendly:** Extensive documentation and a range of development tools to streamline your building process.

- **Supportive Community:** Connect with other developers, share knowledge, and get support from our active community.

- **Incentives and Grants:** Access to funding opportunities and incentives to kickstart your projects.

https://metanovaverse.com/build

10 TESTNET

10.1. Cosmos Explorer

https://ping.metanovaverse.com/metanovaverse

10.2. EVM Explorer

https://explorer.metanovaverse.com/

10.3. Metamask

Name: **MetaNova Verse**

RPC url: **https://web3.metanovaverse.com**

Chain ID: **10096**

Symbol: **MNV**

11 TEAM

11.1. Core Team Members

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Jonathan Benarr

CEO

Poe Aye

CMO

12 ROADMAP

Metanovaverse has already achieved several important milestones, including the launch of its testnet, integration with Cosmos SDK and Tendermint, and the deployment of cross-chain bridges. These foundational steps have positioned Metanovaverse as a key player in the Layer 1 blockchain space.

JAN 2022	01 Development in Stealth Mode
JUL 2024	02 Public Testnet
DEC 2024	03 MNV Wallet, MNV Card
Q1 2025	04 IDO and DEX Listing
Q2 2025	05 MNV DEX
Q3 2025	06 MNV NFT Maretplace
Q4 2025	07 MNV Lending and MNV DeFI Market
Q1 2026	08 MNV Games
Q2 2026	09 MNV RWA Platform
Q3 2026	10 MNV AI Chatbot

13 PARTNERS

CoinGecko   Microsoft Azure

METAMASK   Keplr   MMU MEGA META UNIVERSE

CoinMarketCap   BlockX

14 CONCLUSION

Metanova Verse aims to become a leading Layer 1 blockchain platform that addresses the key challenges of scalability, security, and interoperability. By enabling the tokenization of real-world assets and offering seamless cross-chain integrations, Metanova Verse is poised to revolutionize industries ranging from finance to supply chain management.

14.1. Call to Action for Developers, Investors, and Users

We invite developers, investors, and users to join the Metanova Verse ecosystem. Whether you're building decentralized applications, looking for investment opportunities, or seeking to engage with cutting-edge blockchain technology, Metanova Verse offers unparalleled opportunities for growth and innovation.

METANOVA VERSE