

# Lithosphere Outlines Post-Mainnet Priorities for AI-Native Applications and Validator Operations

The transition to mainnet shifts Lithosphere from pre-production development to live network operations, strengthening the focus on execution, identity, verification, validator activity, and developer access.



**London, United Kingdom Oct 13, 2026 ([Issuewire.com](https://www.issuewire.com))** - With [Lithosphere](#) Mainnet now live, the AI-native Layer 1 blockchain has entered a new operational phase, shifting its focus from pre-mainnet development and testing to production infrastructure supporting decentralized applications and autonomous Web4 systems.

Before mainnet activation, development efforts centered on testing network functionality, refining execution frameworks, and preparing essential infrastructure for deployment. The transition to a live network introduces greater emphasis on operational reliability, validator participation, developer accessibility, and coordinated activity across the ecosystem.

Lithosphere's infrastructure brings together Lithic for AI-native execution, PPAL for persistent identity, DNNs for decentralized naming and discovery, MultX for cross-chain coordination, and LEP100 standards for verifiable agent activity. These components form the foundation for intelligent applications requiring structured execution and interaction across decentralized environments.

Validator activity also becomes increasingly important as the network moves into production. Validators support consensus, transaction processing, and network integrity, contributing to the infrastructure required for continuous blockchain operations.

For developers, the transition creates opportunities to move beyond testnet experimentation toward building and deploying applications within a production environment. This includes applications involving autonomous agents, decentralized services, and AI-driven workflows.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that mainnet activation represents a significant operational transition for Lithosphere's AI-native infrastructure. According to Kasr, the focus now extends beyond development readiness to supporting reliable execution, verifiable activity, validator coordination, and practical developer participation across Web4 environments.

The next phase of Lithosphere's development will center on strengthening production infrastructure, expanding ecosystem participation, and supporting applications designed for increasingly autonomous blockchain interactions.

## About Lithosphere

Lithosphere is an AI-native Layer 1 blockchain platform developed by KaJ Labs to support intelligent decentralized infrastructure. Through Lithic, PPAL, DNNS, MultX, LEP100, and LITHO, the platform focuses on scalable execution, persistent identity, decentralized discovery, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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