

## Lithic Introduces zk-Verifiable AI Execution Standard for Trustless Smart Contracts

The AI-integrated blockchain platform deploys a zero-knowledge verification standard to support secure, trustless execution of AI-driven smart contracts across decentralized systems.



**Singapore, Singapore Mar 30, 2026 (IssueWire.com)** - [Lithic](#), a blockchain infrastructure platform integrating artificial intelligence with decentralized systems, has introduced a zk-verifiable AI execution standard designed to enhance trustless smart contract operations. The standard combines zero-knowledge (zk) verification with AI-driven execution, enabling validation of computational outcomes without exposing underlying data.

The framework allows smart contracts to execute AI-based logic while producing verifiable proofs that confirm correctness and integrity. By embedding zero-knowledge verification into execution layers, Lithic enables decentralized applications to operate with improved privacy, transparency, and security across blockchain environments.

This approach supports advanced automation workflows where intelligent systems can process data and make decisions while ensuring outputs remain auditable and trustless. The zk-verifiable standard strengthens how decentralized systems manage sensitive computations, enabling more reliable AI integration within smart contract infrastructure.

[J. King Kasr](#), Chief Scientist at KaJ Labs, emphasized that combining zero-knowledge verification with AI execution is a critical step toward building secure and transparent decentralized systems. According

to Kasr, verifiable execution standards allow intelligent systems to operate reliably while maintaining user trust and data integrity.

The introduction of zk-verifiable AI execution aligns with the broader transition from Web3 infrastructure toward Web4 systems architecture, where trustless verification, intelligent automation, and interoperable infrastructure form the foundation for next-generation decentralized applications.

## **About**

Lithic is a blockchain infrastructure platform focused on integrating artificial intelligence with decentralized technologies to support secure, automated, and scalable smart contract execution.

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