# Abstract

This paper presents a technical overview of Core, a Bitcoin-integrated, EVM-compatible layer-one blockchain engineered to enhance Bitcoin's utility while adhering to its foundational principles of decentralization and security. At its core lies the innovative Satoshi Plus consensus mechanism, which harmoniously combines Delegated Proof of Work (DPoW), Delegated Proof of Stake (DPoS), and Non-Custodial BTC Staking.

This architecture enables BTC holders and miners to actively participate in securing Turing-complete smart contracts, extending their functionality far beyond ledger maintenance. By integrating these elements, Core unlocks new utility for BTC assets while providing miners and holders with additive supplemental income through CORE token rewards, without compromising the integrity of the Bitcoin network.

The Satoshi Plus mechanism fosters enhanced security and network participation, aligning seamlessly with Bitcoin's core design principles. Core represents a significant evolution in blockchain technology, bridging the gap between Bitcoin's proven security model and the expansive potential of EVM-compatible smart contract capabilities.

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