

BitShade-Pro — Private Bitcoin Payments

of Bitcoin Utility and Innovation

LoopGlitch

The Problem

Understanding the challenges with today's custodial BTC bridges and their limitations

- Wrapped BTC = IOUs
- Multi-sigs rely on honesty
- Privacy is sacrificed
- User experience is fragmented



BitShade-Pro

A client-first cryptographic bridge for seamless Bitcoin-to-Starknet transactions

- Runs entirely in browser
- Generates UTXO notes
- Verifies via Merkle proofs
- Zero intermediaries



Three-Layer Architecture

Decentralized structure enabling seamless Bitcoin-to-Starknet transactions through innovative layers

- Client: Merkle engine for proofs
- Registry: Root storage for verification
- Bridge: Mint/burn wSTRK functionality



Cryptographic Flow

Understanding the process: deposit, verify, and securely back up transactions

- Deposit → Hash → Leaf → Root
- Withdraw → Verify → Nullify
- Backup → AES-GCM export



BitShade in Action

Experience the seamless integration of Bitcoin into Starknet through our demo

- Deposit 0.01 BTC and create a note
- Inspect the generated root for verification
- Withdraw funds with a unique nullifier
- Secure backup with encrypted data



Smart Contracts

Exploring the technical foundation of BitShade-Pro's decentralized architecture and functionality

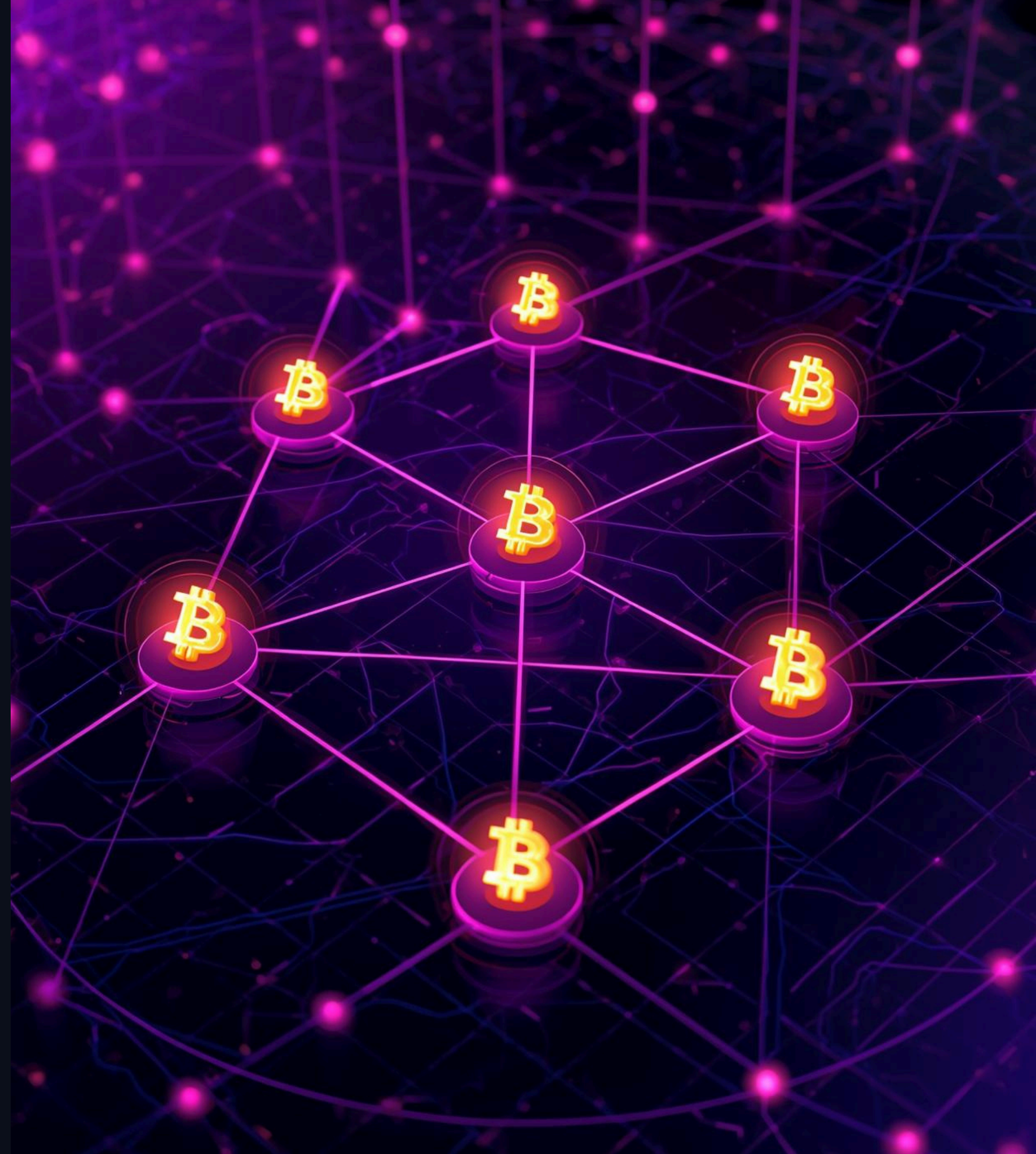
- ERC20_wSTRK for seamless wrapped BTC transactions
- MerkleRegistry ensures proof roots are securely stored
- Bridge facilitates efficient mint/burn events for liquidity



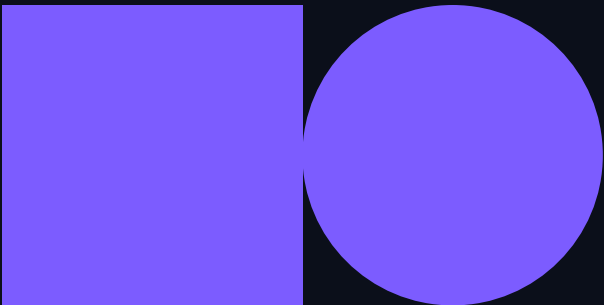
BTCFi Future

Unlocking Bitcoin's potential through
DeFi on Starknet's Layer 2 platform

- Bitcoin staking opportunities
- Seamless lending and trading
- Self-sovereign liquidity solutions
- Enhanced composable privacy mechanisms



Roadmap



2025	2025	2026	2026	2026
Integrate the Glock verifier for security	Deploy Cairo contracts on testnet	Connect to Dojo/Atomiq SDK	Launch mainnet alpha version	Expand feature set and user engagement
Enhance privacy and trust for users	Ensure functionality and performance is validated	Streamline user experience and access to services	Provide full access to the BitShade-Pro platform	Continuously improve based on user feedback and needs



Build the Bridge

Join us in creating a decentralized
Bitcoin future

Email

hello@bitshadepro.com

Phone Number

123-456-7890

Website

bitshadepro.com