

SOLANA

ZK PROOF

FHE

Compliance-Ready Confidential Transfer

Privacy-preserving transactions with regulatory compliance



Hide Amount



Hide Address



Hide Both

LatticA | ZK + FHE Infrastructure

On-Chain Transparency Breaks Privacy

Corporate Payroll

Company Wallet



Employee

AMOUNT

\$15,000

ADDRESS

0x1a2b...9f

TIMING

Monthly

Salary, bonus structure, employee wallets all PUBLIC

B2B Settlements

Firm A



Firm B

DEAL SIZE

\$50M

PARTNERS

Visible

FREQUENCY

Trackable

Deal sizes, partnerships, trading volumes EXPOSED

100%

of on-chain transactions are public

\$2.3B+

crypto payroll market exposed

0

compliant privacy solutions

Existing Solutions **Fall Short**

Feature	Solana Confidential	Dark Pools	LatticA
Amount Hidden	✓	✓	✓
Address Hidden	✗	✓	✓
Regulatory Compliance	Partial	✗	✓
Audit Capability	Limited	✗	✓

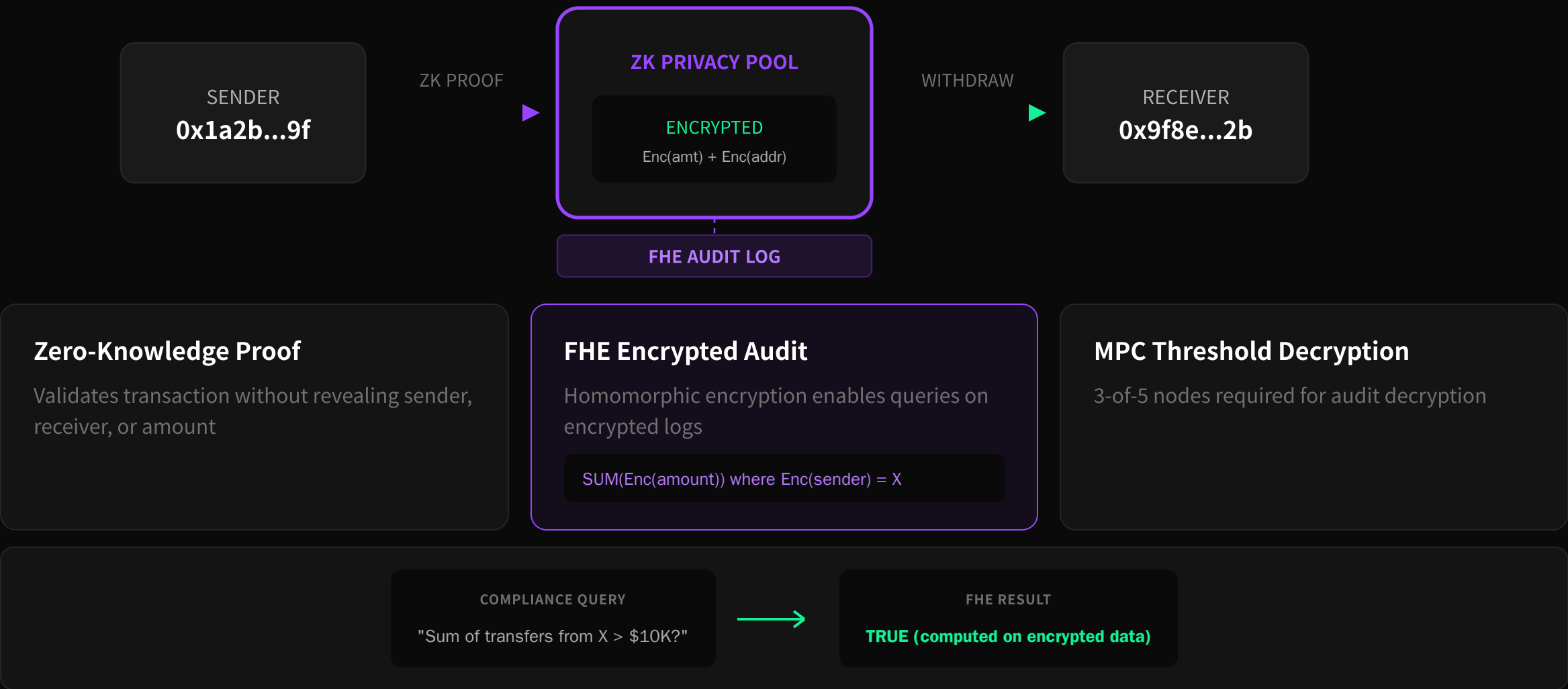


Tornado Cash Case Study

CEO sentenced to prison | \$1B+ in regulatory fines | Protocol sanctioned

Privacy without compliance = Legal risk

ZK + FHE Architecture



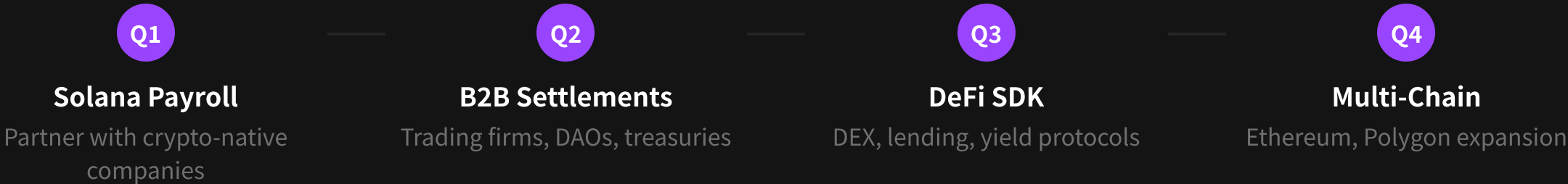
Market Size & Go-To-Market



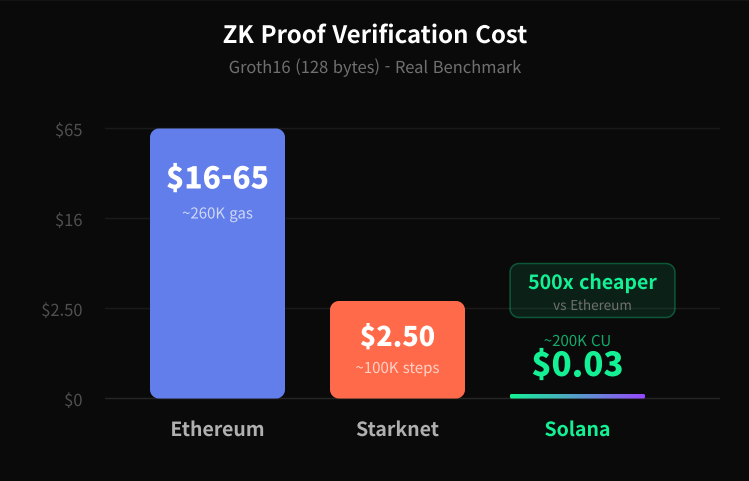
Transaction Fee Comparison



Go-To-Market Phases



Why Solana



\$0.03

ZK Verification

Groth16 proof (128 bytes) - 200K CU

400ms

Block Time

Near-instant finality

Token-2022

Native Extension

Built-in confidential transfer

Benchmark: Proving Time (M1 Mac)

4.0s

4.9s

5.1s

[DeFiLlama](#)

[groth16-solana](#)

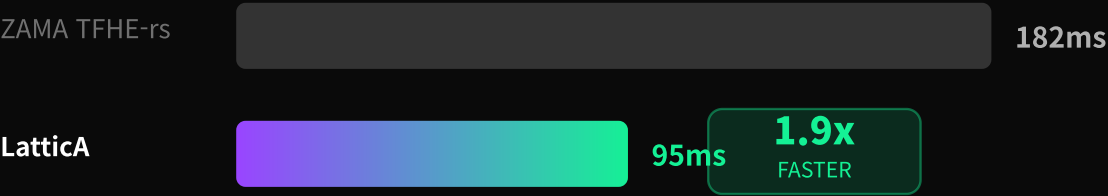
[Token-2022](#)

3.5GB

Why LatticA

FHE Bootstrapping Performance (64-bit)

Add/Sub operation benchmark



Source: ePrint 2025/2150

01 Cross-Platform Determinism

- CPU
- GPU
- FPGA

NTT-based computation (no FFT rounding errors)

02 Compliance-First Design

- AML/KYC Compatible
- Audit-Ready Logs
- Threshold Decryption

03 Production Ready

- Solana Devnet Live
- Token-2022 Integration
- View Repository

Ready to bring compliant privacy to your platform

Contact Us