

SOLANA

ZK PROOF

FHE

# Compliance-Ready Confidential Transfer

Privacy-preserving transactions with regulatory compliance



Hide Amount



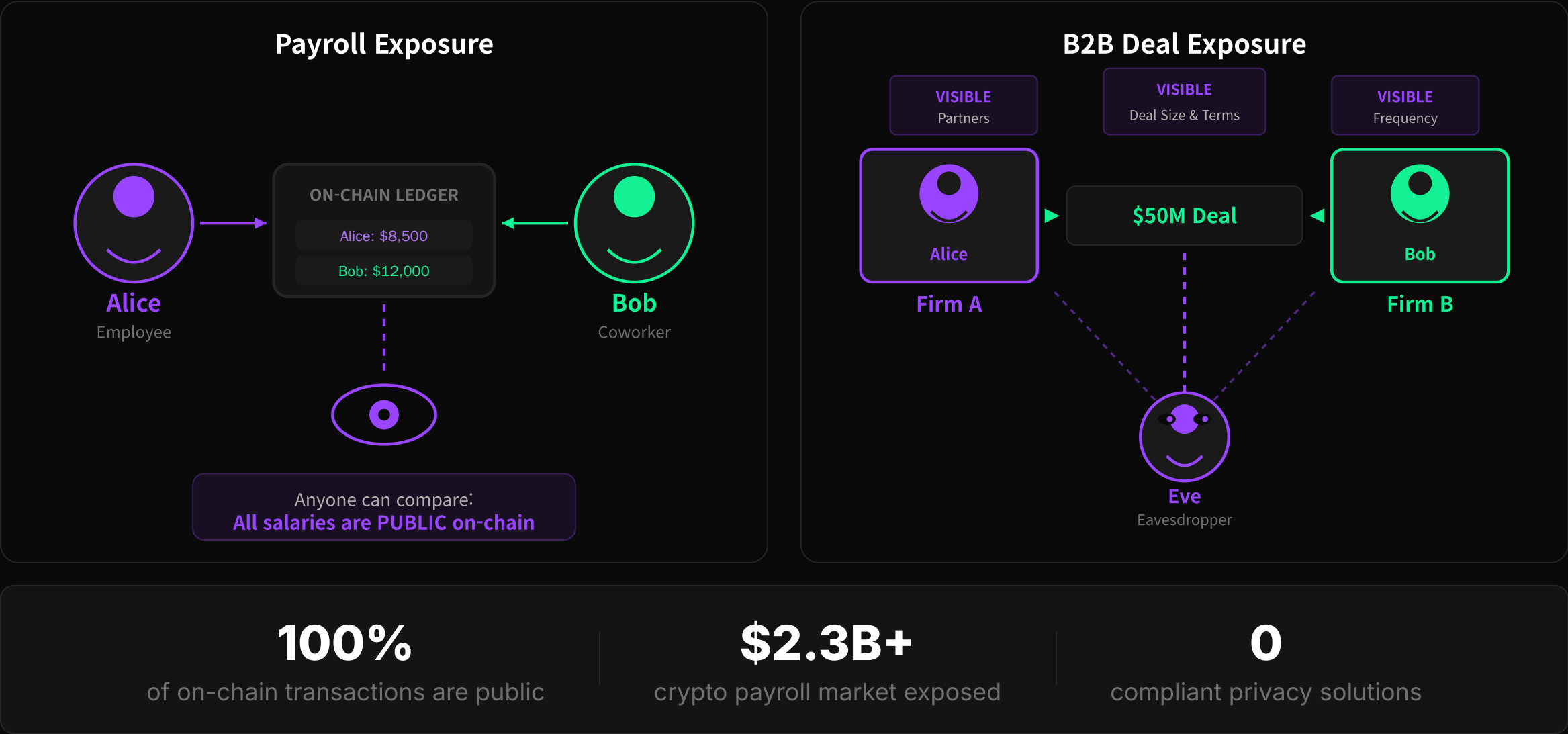
Hide Address



Hide Both

LatticA | ZK + FHE Infrastructure

# On-Chain Transparency Breaks Privacy



## CURRENT LANDSCAPE

# Existing Solutions **Fall Short**

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

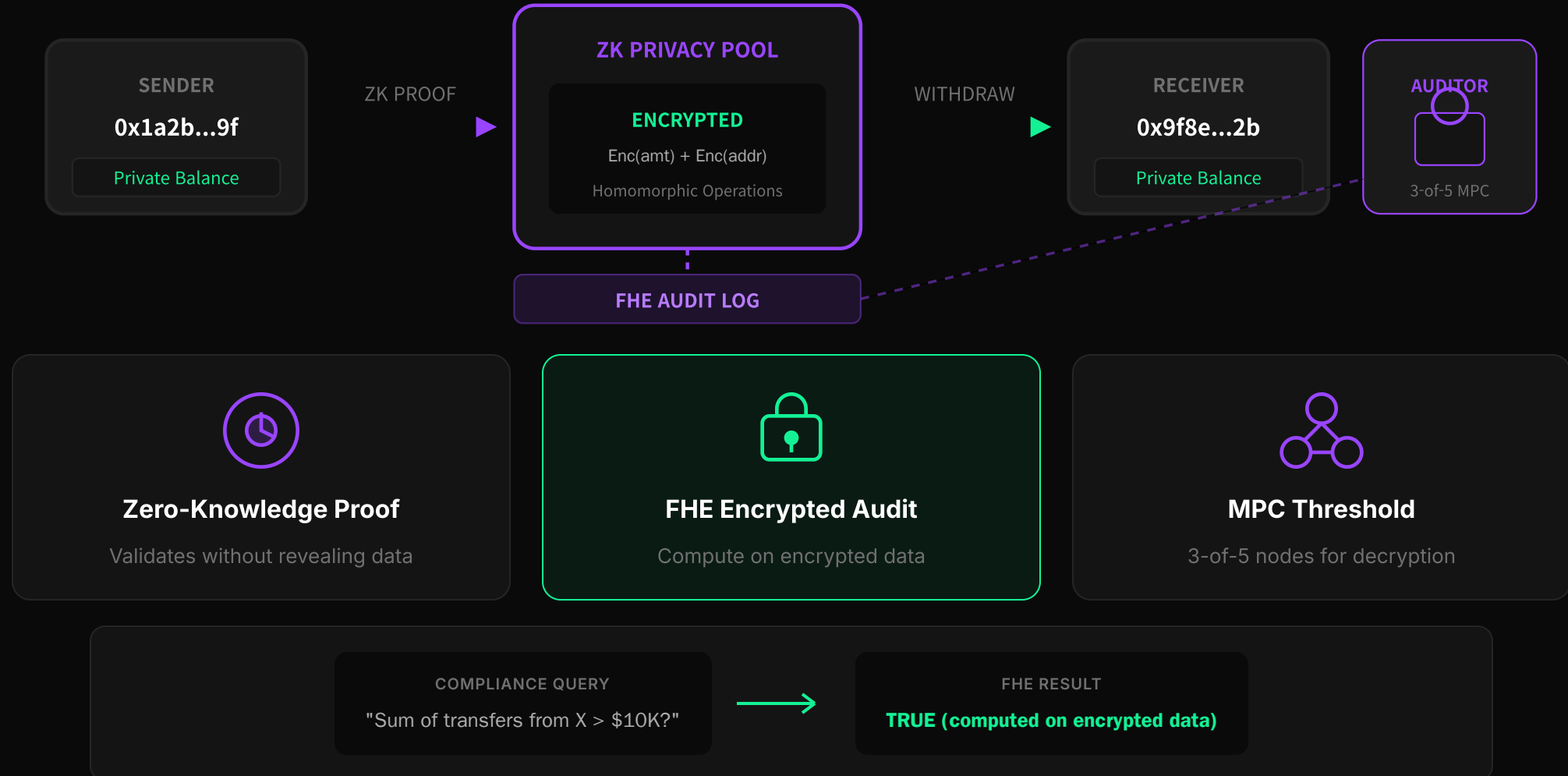
**Tornado Cash Case Study**

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

Privacy without compliance = Legal risk

## OUR SOLUTION

# ZK + FHE Architecture



## MARKET OPPORTUNITY

# Market Size & Go-To-Market



## Go-To-Market Phases

Q1

### Solana Payroll

Crypto-native  
companies

Q2

### B2B Settlements

Trading firms, DAOs

Q3

### DeFi SDK

DEX, lending  
protocols

Q4

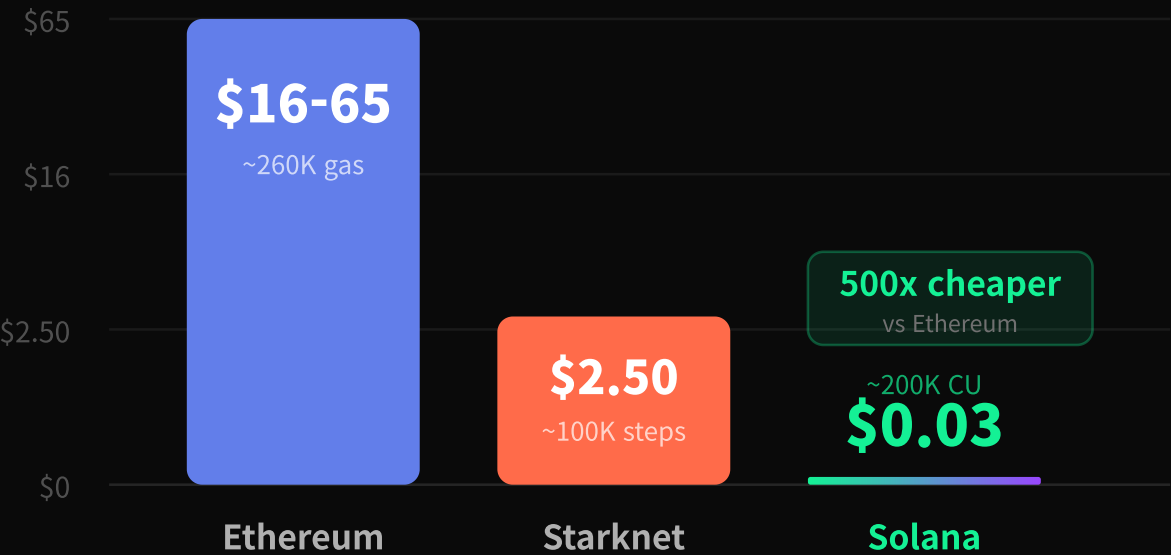
### Multi-Chain

ETH, Polygon  
expansion

# Why Solana

## ZK Proof Verification Cost

Groth16 (128 bytes) - Real Benchmark



**\$0.03**

**ZK Verification**

Groth16 proof - 200K CU

**400ms**

**Block Time**

Near-instant finality

**Token-2022**

**Native Extension**

Comparable to Token Extension

## Benchmark: Proving Time (M1 Mac)

**4.0s**

amount\_audit

**4.9s**

pool\_identity

**5.1s**

pool\_transfer

**3.5GB**

Peak RAM

# Why LatticA

## FHE Bootstrapping Performance (64-bit)

Add/Sub operation benchmark

ZAMA TFHE-rs  182ms

LatticA  95ms 

1.9x FASTER

Source: ePrint 2025/2150



## Cross-Platform Determinism

- CPU
- GPU
- FPGA

NTT-based (no FFT errors)



## Compliance-First Design

- AML/KYC
- Audit Logs
- Threshold Dec



## Production Ready

- Devnet Live
- Token-2022

Ready to bring compliant privacy to your platform

Contact Us