

SOLANA

ZK PROOF

FHE

# Compliance-Ready Confidential Transfer

Privacy-preserving transactions with regulatory compliance



Hide Amount



Hide Address

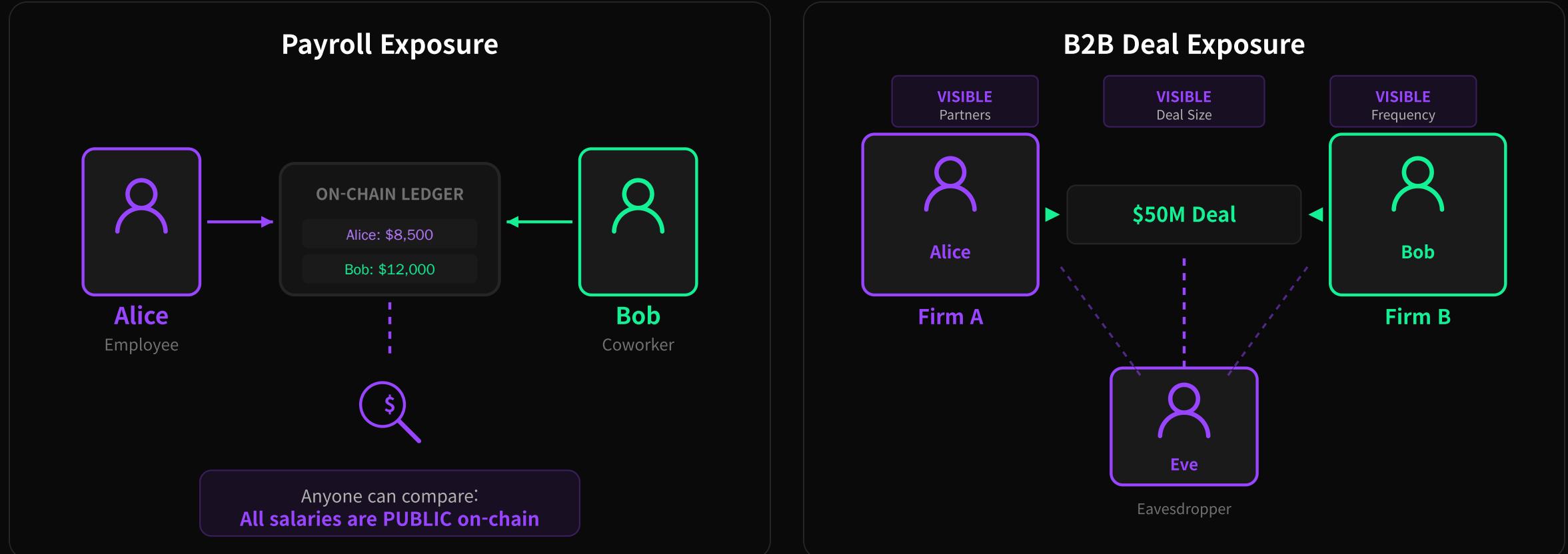


Hide Both

LatticA | ZK + FHE Infrastructure

## THE PROBLEM

# On-Chain Transparency Breaks Privacy



**100%**

of on-chain transactions are public

**\$2.3B+**

crypto payroll market exposed

**0**

compliant privacy solutions

## CURRENT LANDSCAPE

# Existing Solutions Fall Short

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

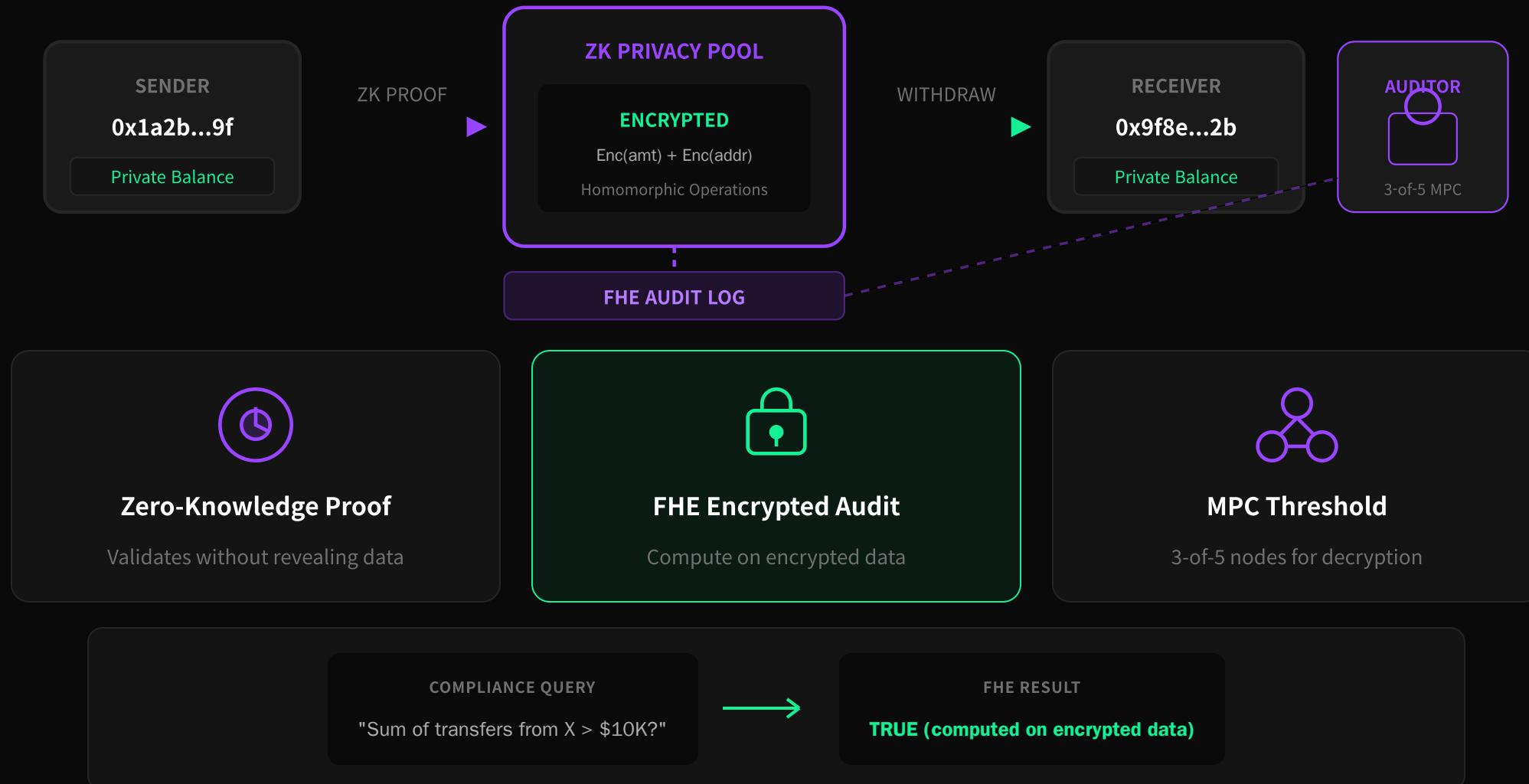
**Tornado Cash Case Study**

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

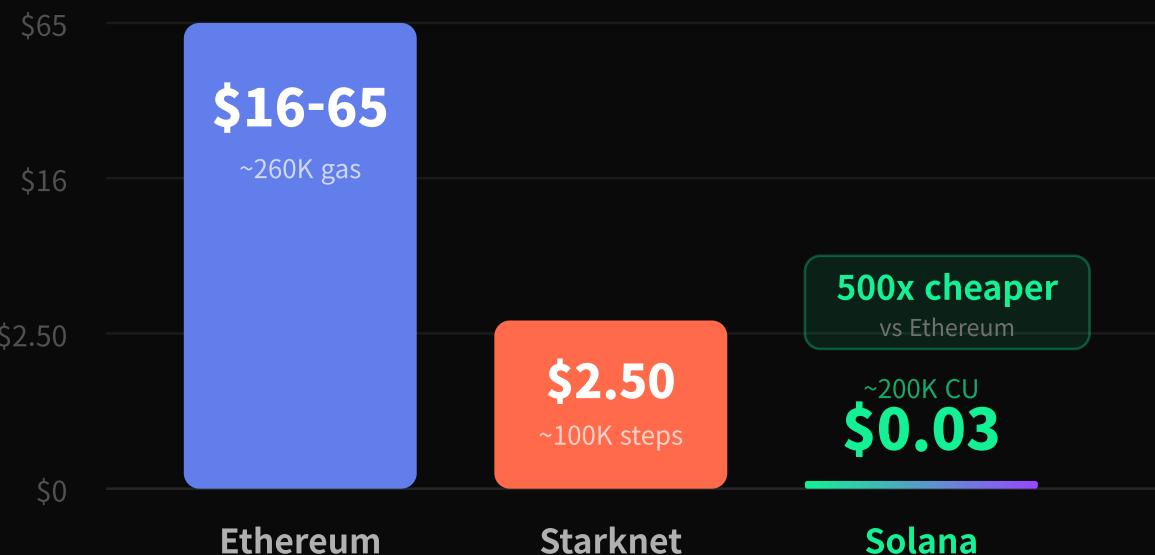
### Multi-Chain

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