

# VALIX

## The Security Leasing Protocol

Unifying Security Across All Blockchains

Generalized, Economically Unified Security Layer for Heterogeneous Subnets

# The Security Fragmentation Crisis

\$50B+  
Staked  
Across  
Fragmented  
Networks

## Security Fragmentation

- Each subnet/app-chain needs its own validator set
- Isolated security islands with no shared trust
- Duplicated infrastructure and capital requirements

## Cold Start Problem

- New subnets can't bootstrap secure validator sets
- Small subnets remain vulnerable to attacks
- High

barriers to  
entry for

## Economic Inefficiency

- Validators locked into single chains
- Capital underutilization across networks
- No scalable security model for multi-chain future

# Massive Addressable Market

\$2.1T

Total  
Crypto  
Market  
Cap

\$50B+

Staked  
Assets

500+ Active  
Subnets/App-  
Chains

Segment	Market Size	Growth Rate
Avalanche Subnets	\$5B+ staked	200% YoY
Cosmos App-Chains	\$15B+ staked	150% YoY
Polkadot Parachains	\$8B+ staked	100% YoY
Custom Subnets	\$22B+ staked	300% YoY

## Key Drivers

- Multi-chain infrastructure adoption accelerating
- Modular blockchain architecture becoming standard
- Security-as-a-Service demand growing exponentially

# VALIX: Security Leasing Protocol

Main chain  
validators lease  
security to subnets  
without moving  
stake

How It Works:

1. **Validators** register stake on main chain
2. **Subnets** bid for security in Dynamic Fee Market
3. **Stake Escrow** locked in ACCS contract (trustless guarantee)
4. **Automatic Matching** creates leases
5. **Validators** earn fees in subnet

## Key Innovation:

### Trustless Economic

**Guarantee** - Subnet security backed by main chain value without trusted intermediaries

# Three Groundbreaking Features

## 1. Atomic Cross-Chain Slashing (ACCS)

Trustless Economic  
Guarantee

- Validators lock stake in escrow on main chain
- Subnets submit cryptographically verifiable proof-of-malice
- **Immediate, trustless slashing** without intermediaries

## 2. Heterogeneous Verification Module (HVM)

Generalized  
Interoperability

- Standardized interface for **all VM types**
- Supports EVM, Move VM, Cosmos SDK, Substrate, Custom VMs
- Light-client-verified state proofs
- **True heterogeneous**

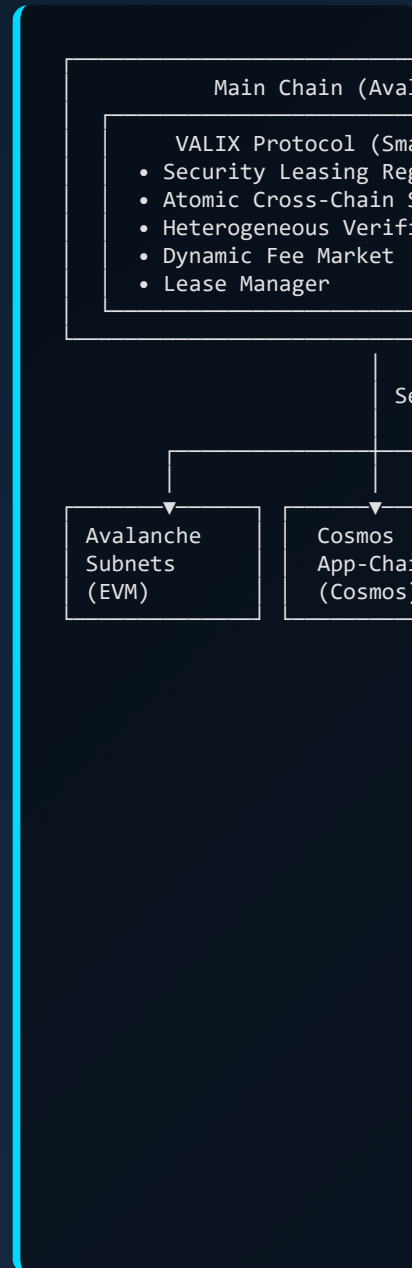
## 3. Dynamic Fee Market

Sustainable  
Economic  
Model

- Subnets bid for QoS-based security leasing
- Validators offer stake with price and QoS requirements

# Technology Architecture

## Trustless, Multi-Chain Security Infrastructure



## Key Technical Advantages:

- ✓ Trustless (no trusted intermediaries)
- ✓ Multi-VM support (EVM, Move, Cosmos, Substrate, Custom)
- ✓ Cryptographic guarantees (not trust-based)
- ✓ Economic security (backed by main chain stake)

# VALIX

## Platform Features

### For Subnets:

- **Security Dashboard** - Real-time security metrics
- **Fee Market Interface** - Bid for security with QoS requirements
- **Lease Management** - Monitor active leases and validators
- **Analytics** - Security score, validator

### For Validators:

- **Stake Management** - Register and manage available stake
- **Offer Creation** - Set prices and QoS requirements
- **Portfolio View** - Monitor all active leases across subnets
- **Reward Tracking** - Track earnings

### For Developers:

- **SDK & APIs** - Easy integration for any subnet
- **Documentation** - Comprehensive guides and examples
- **Testing Tools** - Local testnet and simulation tools

# Business Model

## Revenue Streams

### 1. Protocol Fees (5% of rewards)

- Collected from all validator rewards
- Distributed to VALIX token holders
- Sustainable, recurring revenue

### 2. Subnet Registration Fees

- One-time fee for subnet registration
- Tiered pricing based on security requirements
- Estimated: \$1,000 - \$10,000 per subnet

### 3. Premium Features

- Advanced analytics and monitoring
- Priority support and SLA guarantees
- White-label solutions for enterprises
- Estimated: \$500 - \$5,000/month per subnet

### 4. Enterprise Licenses

- Custom integration and dedicated support
- Private subnet deployment
- Estimated: \$50K - \$500K per enterprise client



# Go-to-Market Strategy

## Phased Market Entry

### Phase 1: Foundation (Months 1-3)

- ✓ Complete smart contract suite
- ✓ Security audit completion
- ✓ Testnet deployment
- ✓ Developer documentation

### Phase 2: Early Adopters (Months 4-6)

- Launch on Avalanche Fuji testnet
- Partner with 3-5 early subnet projects
- Onboard 10-20 validators

• Community building

### Phase 3: Mainnet Launch (Months 7-9)

- Mainnet deployment on Avalanche C-Chain
- Expand to Cosmos ecosystem
- Target 50+ subnets, 100+ validators

• \$10M+ TVL

### Phase 4: Scale (Months 10-12)

- Multi-chain expansion (Polkadot, Ethereum L2s)
- Enterprise partnerships
- 200+ subnets, 500+ validators
- \$100M+ TVL

# Competitive Landscape

## VALIX vs. Alternatives

Feature	VALIX	Cosmos Hub	Polkadot	EigenLayer
Heterogeneous VMs	✓ All	✗ Cosmos only	✗ Substrate only	✗ EVM only
Trustless Slashing	✓ ACCS	✗ Manual	✗ Manual	⚠ Partial
Dynamic Pricing	✓ Fee Market	✗ Fixed	✗ Fixed	⚠ Limited
Cross-Chain	✓ Native	⚠ IBC only	⚠ Parachains only	✗ Single chain
Cold Start Solution	✓ Yes	✗ No	✗ No	⚠ Partial

## Our Competitive Advantages

1. **Only solution** supporting heterogeneous VMs
2. **Trustless slashing** via ACCS (no manual intervention)
3. **Market-driven pricing** via Dynamic Fee Market
4. **Universal**

# Traction & Current Status

## Milestones



### Completed:

- Complete smart contract suite (5 core contracts)
- Three groundbreaking features implemented
- Multi-chain adapters (Avalanche, Cosmos, Generic)
- Comprehensive test suite (100+ tests)
- Full



### In Progress:

- Security audit preparation
- Testnet deployment
- Early adopter partnerships
- Community building



### Upcoming:

- Q2 2024: Security audit completion
- Q2 2024: Testnet launch
- Q3 2024: Mainnet launch
- Q4 2024: Multi-chain expansion

# Team

## Technical Leadership

- **Blockchain Architects** - 5+ years experience in DeFi and infrastructure
- **Smart Contract Developers** - Audited protocols handling \$100M+
- **Full-Stack Engineers** - Modern web3 development expertise

## Advisors (To Be Announced)

- Former executives from leading blockchain projects
- Security audit firms
- Validator operators and subnet developers

## Open Roles:

- Head of Business Development
- Head of Marketing & Community
- Security Researcher
- Developer Relations Lead

# Financial Projections

## 3-Year Revenue Forecast

### Year 1 (2024)

- **Subnets:** 50
- **Validators:** 100
- **TVL:** \$10M
- **Protocol Fees:** \$500K
- **Registration Fees:** \$250K
- **Premium Features:** \$300K
- **Total Revenue:** **\$1.05M**

### Year 2 (2025)

- **Subnets:** 200
- **Validators:** 500
- **TVL:** \$100M
- **Protocol Fees:** \$5M
- **Registration Fees:** \$1M
- **Premium Features:** \$2M
- **Enterprise:** \$2M

### Year 3 (2026)

- **Subnets:** 500
- **Validators:** 1,500
- **TVL:** \$500M
- **Protocol Fees:** \$25M
- **Registration Fees:** \$2.5M
- **Premium Features:** \$10M
- **Enterprise:** \$10M

As

•

•

•

•

# Funding Ask

## Investment Opportunity

Seed Round:  
**\$3M**

### Use of Funds:

- **40%** - Team expansion (15 people)
- **25%** - Security audits and formal verification
- **20%** - Marketing and community building
- **10%** - Infrastructure and operations
- **5%** - Legal and

### Milestones with Funding:

- ✓ Complete security audit (Q2 2024)
- ✓ Launch testnet with 10+ subnets (Q2 2024)
- ✓ Mainnet launch (Q3 2024)
- ✓ Reach \$10M TVL (Q4 2024)
- ✓ Expand to 3+ blockchain ecosystems (Q1 2025)

**Valuation:**  
\$15M pre-money

# Vision

## The Future of Multi-Chain Security

### Our Vision:

VALIX becomes the universal security layer for all blockchains

- **2024:** Launch on Avalanche, establish market leadership
- **2025:** Expand to Cosmos, Polkadot, Ethereum L2s
- **2026:** Universal standard for subnet security

- **2027:** \$1B+ TVL, 1,000+ subnets

### Impact:

- **Democratize blockchain security** - Any project can access enterprise-grade security
- **Unlock \$50B+ in validator capital** - Enable efficient capital utilization
- **Accelerate innovation** - Remove security barriers for new projects
- **Create new economic model** - Sustainable validator economics across chains

# Why Perfect Now? Timing

## Market Readiness:

- ✓ Multi-chain infrastructure mature
- ✓ Subnet/app-chain adoption accelerating
- ✓ Validator ecosystem seeking new revenue streams
- ✓ Security fragmentation recognized as critical issue

## Technology Readiness:

- ✓ Cryptographic primitives proven (light clients, state proofs)
- ✓ Smart contract infrastructure mature
- ✓ Cross-chain bridges operational
- ✓ Our solution technically

## Competitive Window:

- 🕒 First-mover advantage in heterogeneous security
- 🕒 12-18 month window before competitors catch up
- 🕒 Network effects strengthen position over time



# Call to Action

Join Us  
in  
Building  
the  
Future

## For Investors:

- **Transformational opportunity** in \$50B+ staking market
- **First-mover advantage** in heterogeneous security
- **Strong technical foundation** with working product
- **Massive addressable market** with clear path to scale

## For Partners:

- **Subnet Projects** - Get enterprise-grade security from day one
- **Validators** - Unlock new revenue streams across multiple chains

## For Developers:

- **Open Source** - Contribute to groundbreaking protocol
- **SDK & Tools** - Build on top of VALIX infrastructure
- **Documentation** - Comprehensive guides and examples

**Website:** [valix.io](http://valix.io) (Coming Soon)

**GitHub:**

**Let's  
Connect**

[github.com/sheik0x/unifiedsecuritylayer](https://github.com/sheik0x/unifiedsecuritylayer)

**Email:** [contact@valix.io](mailto:contact@valix.io)

**Twitter:** [@\\_valixprotocol](https://twitter.com/_valixprotocol)

**Discord:** [discord.gg/valix](https://discord.gg/valix)

**Thank  
You**

Unifying  
Security  
Across All  
Blockchains