keyAI

# Securing the Future of Crypto: Advanced Recovery and Resilient Blockchain

Recovering lost crypto assets and creating an innovative blockchain with post-quantum protection.

# Sections Summary

A brief overview of key topics and insights covered in the sections.


1 The Problem

2 Solution

3 Technologies

4 New Blockchain and Token

5 Financial Plan

6 Market Entry Strategy

7 Team

8 Project Roadmap

9 Investment Needs

# The Problem

**~ 20%** Loss of over 20% of crypto assets (over $400 billion) due to forgotten keys or security threats

## Risks for the Crypto Industry

### Lack of Recovery Mechanisms

The lack of recovery options for lost credentials leaves users vulnerable to permanent loss of assets.

### Quantum Computing Threats

Quantum computing could undermine current encryption, threatening the security of blockchain and cryptocurrencies.

### Need for a Solution

Innovative security and recovery solutions are essential to ensure trust and protect users from new risks in crypto market.

# Solution

## Two key directions

AI

### Crypto Assets Recovery

Utilizing quantum computing, machine learning, and Lattice Attacks algorithms

Analysis of digital signatures and transactions for recovering private keys

### Create Phoenix Blockchain

Recovery, inheritance and security enhancement mechanisms

Provide users with recovery tools and innovative, secure blockchain

# KeyAI. Technology

This slide highlights key technologies used to ensure the security and recovery of crypto assets:

## Quantum Computing

1. Application of algorithms for big data analysis.
2. Lattice Attacks solutions for key recovery.

## Machine Learning

3. Predictive algorithms to improve recovery accuracy.
4. CRYSTALS-Kyber and SPHINCS+ for quantum attack resistance.

## Post-Quantum Cryptography

5. CRYSTALS-Kyber and SPHINCS+ for quantum attack resistance.
6. Cryptographic mechanisms for smart contracts.

## Smart Contracts

7. Recovery and inheritance protocols for asset management.

# Phoenix Chain & PHNX token

Phoenix Chain offers strong security, integrating post-quantum features with seamless asset management and recovery.

### Features of Phoenix Chain:

1. Post-quantum stability.
2. Mechanisms of restoration and inheritance.

### PHNX Token:

1. Internal currency of the blockchain.
2. Tool for staking and management.

### Levels of anonymity:

1. Complete anonymity.
2. Partial identification.
3. Complete identification with the possibility of recovery.

**Phoenix Chain is a post-quantum resistant blockchain with built-in recovery and inheritance mechanisms. The PHNX token serves as the internal currency for staking and governance. It offers varying levels of anonymity, ranging from full anonymity to partial identification and full identification with recovery options.**

# Business Model

**We plan to charge users a fee as a percentage of the value of the restored assets**

**Sources of income:**

- Crypto asset recovery fees.
- Premium service subscription.
- Asset tokenization.
- Crypto asset insurance.

**Monetization:**

- Transaction fees.
- Affiliate programs.

# Market Analysis

## Total Cryptocurrency Market Cap

According to crypto.com for 2021 year
there are over 200 million cryptocurrency users

**Potential market for lost assets: $400 billion**

Source: coinmarketcap.com/charts

# Competitive advantages

A unique combination of restoration and post-quantum protection.

Flexible recovery mechanisms

The crypto market is valued at $2 trillion, with $400 billion in recoverable assets.

Phoenix Chain combines asset recovery with post-quantum security. Our flexible mechanisms ensure unmatched protection. Our innovative technology sets us apart with no direct competition.

**Innovative technologies that have no analogues.**

# Competitive Analysis

### Open Market

Currently, there are no direct competitors in the market offering similar solutions for crypto asset recovery. This provides us with a unique opportunity to secure a substantial market share and set industry standards

### Unique Solution

Our AI-based product enables users to regain access to their lost crypto assets. This addresses a significant need in the current cryptocurrency space, creating substantial opportunities for growth

### Barriers for Competitors

Our technological solution and the specifics of our business model provide substantial entry barriers for new market players

### Growth Prospects

Given the rapid growth of the cryptocurrency market and the ever-increasing demand for crypto asset security, we see enormous potential for scaling. With a thoughtful approach to bizdev, our company's capitalization could exceed $ 1B within 3 years

# Market Entry Strategy

## Launch stages:

- Asset recovery and blockchain launch.
- Early access to the recovery system.
- Announcement and distribution of the token.

## Partnerships:

- Crypto exchanges.
- Insurance companies.
- Regulators and government organizations.

## Timeline:

- Recovery: 7-9 months.
- Blockchain: Launch in 6 months.
- Marketing: Start in 2 months.

# Team

## Bekzad Dzhanpolatov

Founder | CEO

Leads the strategic development of the KeyAI project and manages the team.
Experience in #projectmanagement and #strategicplanning.
Expertise in #cryptography and #AI.

## Yakov Filin | PHD

Chief Data Scientist

Competencies

- Machine Learning & Neural Networks
- Data Analysis & Predictive Modeling
- AI Applications in Security and Finance
- Leadership in High-Tech and AI-driven Initiatives

## Yuriy Aydarov
## MSc | PhD Student

Lead Engineer

Lead engineer responsible for the development and integration of cryptographic and neural network solutions.
Member of IACR (International Association for Cryptologic Research). Member of ACM (Association for Computing Machinery)

## Andrey M. Pupasov | PhD

Lead Quantum Computing
and Theoretical Physics Specialist

Dr. Andrey Pupasov is a highly accomplished researcher specializing in quantum computing, #QuantumMechanics, and advanced math models.

## Anastasiia Slakvich

Brand Manager & Product designer

Responsible for development and implementation of brand strategy.
6 years of working with startups and bringing them to market

# Technology Roadmap

## Crypto recovery 7-9 months

## STAGE 1

- Development of quantum and ML algorithms.
- Testing and optimization of recovery methods.

## Phoenix Chain 6 months

## STAGE 2

- Integrating post-quantum protection.
- Implementation of recovery mechanisms in the blockchain.

## Launch and scaling 2 months

## STAGE 3

- Marketing campaign.
- Public launch of the PHNX token.

# Financial potential

## Over $ 400 B

of 2023 could
potentially
be recovered

### Recovery target: 80% in 5 years ($320 billion)

**KeyAI Share:**

35% of recovered assets: $112 billion

**Phoenix Chain Income:**

3-year transaction forecast: $50 billion

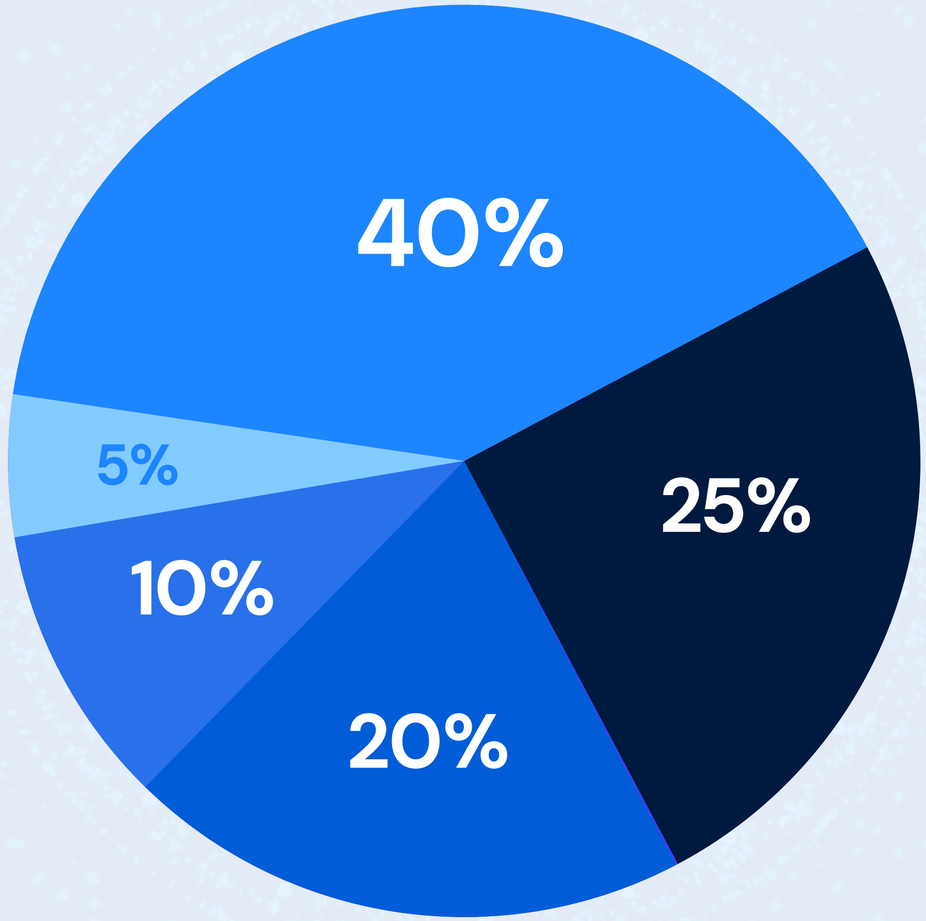
%

# PHNX Tokenomics

**Token distribution:**

| | |
|---|---|
| 40% | Staking and user rewards |
| 25% | Public sale |
| 20% | Development and innovation fund |
| 10% | team (frozen for 2 years) |
| 5% | reserve fund |

Projected Value: In 3 years, the token price is expected to reach $2.5–$5



# Investment needs

## $750K

**$350K** to purchase 8 NVIDIA H200 GPUs and cover associated costs, including **delivery, setup, and maintenance**. The equipment will be installed in a rented office **in Berkeley**, where the necessary infrastructure for electrical supply, ventilation, and cooling will be implemented.

**$300K** will be allocated for team salaries, including hiring additional specialists in neural network development, cryptography, and software engineering.

**$100K** will be reserved for unforeseen expenses, such as legal support, equipment repairs, additional hardware needs, software licenses, and other operational overheads

We offer
**20%**

**stake in our project for an investment of $750K**

### Potential Return

Our model implies **high profitability** due to the unique nature of the services offered and high demand. In addition to revenue from commissions for asset recovery, we are also considering **additional monetization opportunities** in the future. However, like any startup, returns on investment will largely depend on the successful implementation of the business model and achieving key development milestones

# Investor Benefits

Long-term prospects include participation in the growing crypto market and access to advanced technologies, with high return potential from asset recovery and blockchain growth. Additionally, investments contribute to industry security and strengthen user trust in blockchain.

## Long-Term Prospects

1. **Participation in the fast-growing crypto asset market.**
2. **Access to cutting-edge technologies.**

## High Returns:

3. **Potential to generate $112 billion from asset recovery.**
4. **Revenue from blockchain development and token value growth.**

## Social Impact:

5. **Contributing to the security and resilience of the crypto industry.**
6. **Strengthening user trust in blockchain technologies.**

# Phoenix Chain Architecture

Phoenix Chain is a scalable, secure, and high-performance blockchain designed for the future of digital assets. Its modular architecture enables flexibility, while post-quantum security with CRYSTALS-Kyber ensures resilience against future threats. Phoenix Chain also features advanced smart contracts, high transaction throughput, and fast confirmation times. With seamless integration for enterprise clients and compatibility with key standards like ERC-20 and ERC-721, Phoenix Chain is positioned to drive innovation, asset security, and trust in the rapidly growing crypto market.

## 1 Key Components:

- Modular structure for flexibility and scalability.
- Post-quantum security using CRYSTALS-Kyber.
- Next-generation smart contracts with enhanced functionality.

## 2 Performance:

- Throughput: up to 50,000 transactions per second.
- Block confirmation time: under 3 seconds.

## 2 Integrations and Compatibility:

- API for enterprise clients.
- Support for ERC-20 and ERC-721 standards.

# Social Protection Inheritance

Phoenix Chain features social recovery, time locks, and inheritance via smart contracts. Post-quantum cryptography ensures data protection and privacy.

## Recovery Protocols:

1. Social recovery (M-of-N signature schemes).
2. Time locks for automatic recovery.
3. Inheritance protocols via smart contracts.

## Security:

1. Post-quantum cryptography for data protection.
2. Enhanced transaction privacy.

## Custodial Services:

1. Enterprise-grade storage with high-level security.
2. Asset insurance against loss or theft.

# Levels of Anonymity and Security

## Level 1:
### Full Anonymity

**Features:**

No recovery option, maximum privacy.

**Limitations:**

Limited transaction limits.

## Level 2:
### Partial Identification

**Features:**

Recovery through trusted contacts, balancing privacy and security.

**Limitations:**

Medium transaction limits.

## Level 3:
### Full Identification

**Features:**

Complete recovery, KYC process, insurance option.

**Limitations:**

High limits, corporate services.

# Partnerships Integrations

## Objective

Phoenix Chain partners with leading tech firms for cloud, AI, and development tools, while integrating with exchanges, payment systems, and banks for enhanced liquidity and transactions. 24/7 support and self-recovery tools are available for users.

### Technology Partners:

NVIDIA, AWS, IBM – for cloud and computing resources.

Microsoft, Google – for development tools and AI.

### Integrations:

Crypto exchanges: Expanding liquidity for the PHNX token.

Payment systems: Simplifying transactions for users.

Financial institutions: Implementing blockchain solutions in the banking sector.

### Customer Support:

24/7 support service.

Tools for self-recovery.

# Environmental Sustainability

## Eco-Friendly Blockchain Solutions

### Energy Efficiency

- Use of Proof-of-Stake (PoS) instead of energy-intensive Proof-of-Work.
- Resource optimization to minimize energy consumption.

### Carbon Footprint Reduction

- Less than 1% of emissions compared to traditional PoW blockchains.
- Investments in renewable energy sources.

### Initiatives

- Participation in the Green Blockchain program.
- Environmental partnerships with non-profit organizations.

# Growth Strategy

### Year 1

Successful launch of recovery and blockchain solutions.

### Years 2–3

Expansion through strategic partnerships and new markets.

### Years 4–5

Global expansion and industry leadership.

## Technology Scaling

- Implementation of shard architecture for improved performance.
- Development of multilingual smart contracts for developer convenience.

## Ecosystem Growth

- Integration with the banking sector.
- Expansion of the payment network and introduction of new financial tools.

# Risks

Like any venture, especially in the field of technology and cryptocurrencies, our project carries certain risks. The main risks are:

### Technical Risks

- Potential vulnerabilities in post-quantum cryptography.
- Mitigation: Regular security audits, bug bounty programs.

### Market Risks

- Slow user adoption of new technologies.
- Mitigation: Active marketing, educational programs for users.

### Legal Risks

- Changes in cryptocurrency regulations.
- Mitigation: Ongoing legal monitoring, compliance with key jurisdictions.

**We are taking all measures to minimize these risks, including attracting highly qualified specialists, participating in industry advisory groups, and constantly monitoring changes in the regulatory environment**

# Use Case Examples

KeyAI enables asset recovery for businesses, crypto inheritance for users, and efficient blockchain-based solutions for governments.

## Corporate Clients

- Recovery of $50 million for an investment firm using Lattice Attacks.
- Asset management with multi-level access for employees.

## Private Users

- Wallet access recovery through social protocols.
- Inheritance of crypto assets via smart contracts without third-party involvement.

## Government

- Management of digital registries on the blockchain.
- Transparent and efficient distribution of subsidies and grants.

# Ecosystem & Future Development

### Phoenix Chain Platform

- API for developing and integrating third-party applications.
- Support for DeFi and NFT projects.

### PHNX Token Functionality

- Management through DAO.
- Staking opportunities and commission earnings.

### Innovations

- Continuous improvement of security and functionality.
- Development of new tools and services for users and developers.

# KeyAI Token Launch

Coinstore

## IEO on Coinstore

**Why KEYAI Token?**

The KEYAI token is at the heart of our mission to revolutionize crypto asset recovery and support the development of the Phoenix blockchain.

## IEO Details:

1. **Platform:**

   Coinstore (renowned global crypto exchange).

2. **Token Name:**

   KEYAI Token.

3. **Integrations and Compatibility:**

   Blockchain Standards: Multi-chain support (Ethereum, Binance Smart Chain, Arbitrum).

4. **Initial Token Price**

   $0.10 USDT per KEYAI.

5. **Launch Date:**

   Q4 2024.

## Token Allocation:

1. **40%**

   Public sale to fund development and operations.

2. **35%**

   Liquidity provision for exchange listings.

3. **10%**

   Marketing and community engagement.

4. **10%**

   Solutions for lost crypto asset recovery.

5. **5%**

   Reserve for future needs.

# Benefits of KEYAI

## Key Investor Benefits:

### Innovative Problem Solving:

Funds raised will power the recovery of lost crypto assets on major blockchains like Bitcoin and Ethereum.

### Exclusive Phoenix Blockchain Airdrop:

- KEYAI holders will receive 1.25 Phoenix tokens per KEYAI token held during the snapshot.
- Phoenix tokens offer early access to a post-quantum secure blockchain ecosystem.

## Use of Funds:

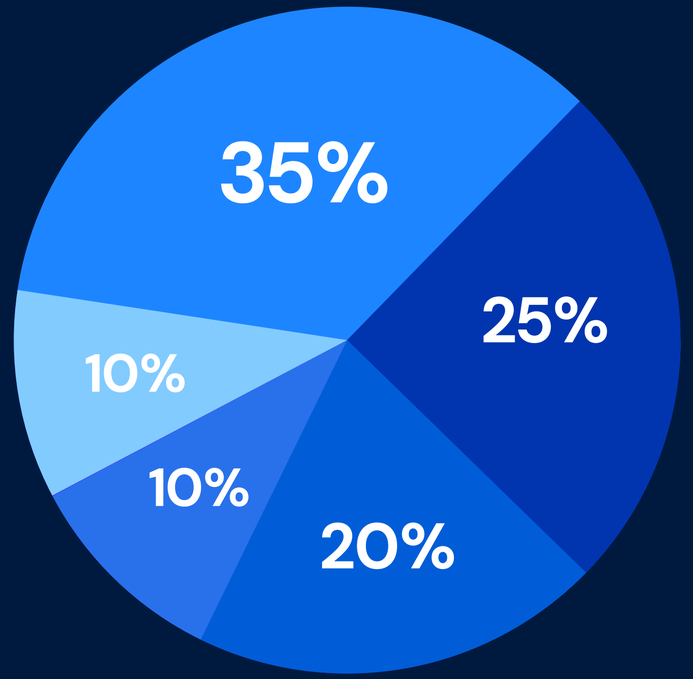
**35%:** Liquidity creation for secure and stable trading post-IEO.

**25%:** Accelerate Phoenix blockchain development.

**20%:** Enhance technical capabilities for crypto recovery solutions.

**10%:** Marketing and partnerships to grow the KeyAI ecosystem.

**10%:** Operational and reserve expenses.



# Contacts

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**KeyAI offers groundbreaking technology for recovering lost assets, paired with post-quantum protection to ensure long-term security. The project carries significant social value for the crypto industry, addressing critical challenges. With immense market potential and a robust, diversified business model, KeyAI stands out as an attractive investment opportunity.**

KeyAI

# Legal Compliance and Ethical Conduct

## Mission and Core Values

Our mission is to create a tool that empowers crypto asset owners by aiding in the recovery of lost access to their assets. Our operations are founded on principles of privacy, security, and ethical usage, and we're committed to promoting the positive application of our product

## Adherence to Law

We are committed to conducting our business in strict compliance with existing legal frameworks, including international legislation related to cryptocurrencies and privacy. We will stay abreast of legislative changes and ensure our operations consistently meet legal standards

## Collaboration with Law Enforcement

If any suspicions of abuse arise regarding our services,
we stand ready to collaborate with law enforcement agencies, supplying necessary information within the legal boundaries

## Security and Verification Protocols

We are dedicated to maintaining the highest level of security for our product. This includes stringent verification procedures to prevent misuse, and advanced security measures to safeguard our customers' data integrity and confidentiality