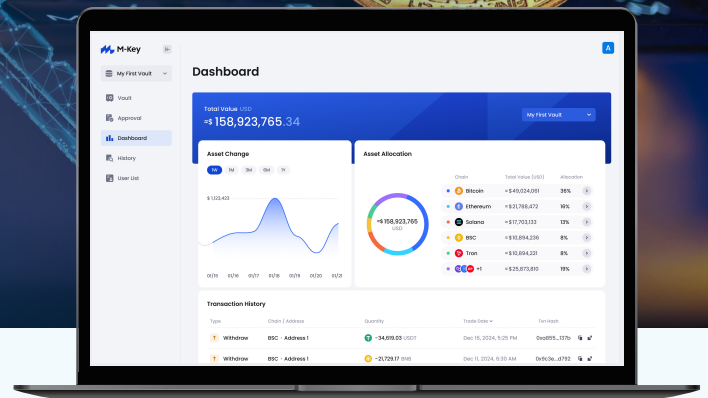# M-Key

Secure, Simple, Supreme

M-Key is a cryptocurrency vault custody system specifically designed for banking, government and enterprise users.
It complies with international standards and effectively addresses the challenges of securely storing cryptocurrency private keys, which are often difficult to safeguard and vulnerable to cyberattacks.

International Certifications and Legal Authorization

M-Key is ISO 27001 and SOC 2 (Type 1) certified, authorized by judicial authorities, and fully compliant with international financial and regulatory standards.
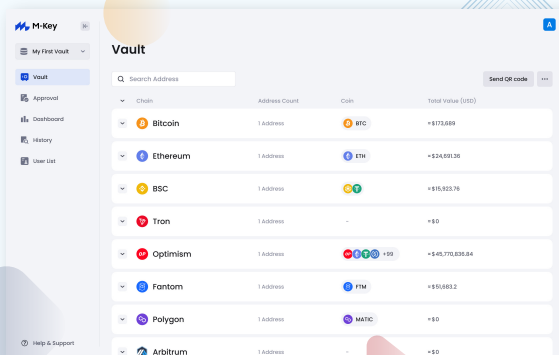
Seamless Integration with Accounting Systems

Partnering with local vendors, we integrate core banking systems with cryptocurrency accounting, accelerating digital asset adoption and enabling new services.

Dedicated Local Team with Full Support

A local team delivers real-time support to ensure business continuity. Tailored training enables staff to quickly master operations and risk control.

Risk Blocking with Isolation Wallet

M-Key features built-in isolated wallets, enabling instant fund isolation upon detecting suspicious transactions, ensuring operational security.
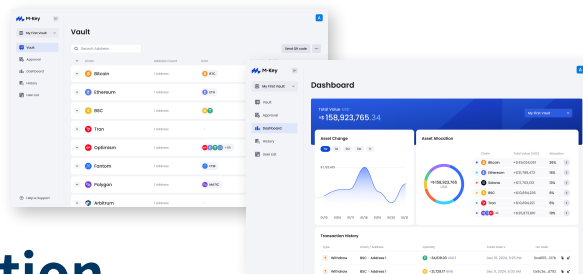
> The system integrates proprietary keyless multi-signature technology, MPC (Multi-Party Computation) technology, and internationally certified HSM (Hardware Security Module) devices. By leveraging FIDO 2 zero-trust identity verification technology, M-Key offers a flexible multi-level approval management system, achieving the highest standards of information security.

BCS dedicate ourselves to create client-focus solutions based on innovation, integrity, and sustainability

M-Key

Enterprise-Grade Cryptocurrency Vault Application

Financial Institutions: Virtual Asset Management and Custody

With the rapid expansion of the cryptocurrency market, government financial regulatory agencies are accelerating the adoption of open banking solutions to facilitate cryptocurrency wallet custody services for enterprises. In this evolving landscape, the M-Key solution integrates FIDO2, Keyless, MPC, and HSM technologies to ensure the security of transaction private keys while providing a multi-tier internal management structure. This comprehensive approach meets the financial sector's stringent requirements for high security, regulatory compliance, and operational efficiency.

Judicial Authorities: Management of Seized Illicit Assets

The increasing number of criminal cases involving cryptocurrencies presents significant challenges for judicial authorities in managing seized virtual assets. The large sums involved create substantial security risks and pressure on law enforcement personnel. M-Key offers a multi-level approval system and whitelist management mechanism, allowing enforcement agencies to flexibly configure permissions based on case requirements, with all operations fully logged. This effectively prevents mismanagement of seized assets or the risk of cold wallet compromise, ensuring both the security and efficiency of case handling.

Effortless HSM Integration with Fast Deployment
- Seamlessly integrates with FIPS 140-3 Level 3 Thales Luna HSM, ensuring top-level key management and deploying with minimal IT effort.
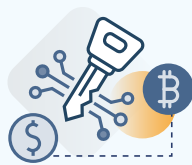
Real-Time AML & KYT Monitoring
- Fully integrated with Chainalysis for real-time AML checks and KYT monitoring. End-to-end security ensures transactions comply with global regulations and lowers compliance risk.
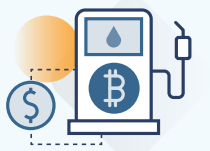
GasStation Solution
- The built-in GasStation module automatically refills gas fees when transfers run low. This ensures uninterrupted transactions and enhances user experience and business continuity.

Transaction Risk Control Engine
- The system's built-in risk control engine allows setting multi-parameter rules to prevent abuse, attacks, and errors. Flexible policies enhance overall asset security.

Multi-level and Multi-signature
- Multi-level multi-signature and M-of-N authorization mechanisms allow flexible configuration of approval workflows, ensuring separation of duties and preventing single-point fraud.

Innovation

Integrity

Sustainability

About BlockChain Security

Founded in 2018, by industry experts with over 17 years in digital forensics, evidence preservation and information security. We noticed the gap of blockchain adaptations and began our mission to combine two core technologies; blockchain and information security.

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