

MPC-Based Custody: AZETHIO Introduces Multi-Layer Asset Protection for U.S. Crypto Traders

U.S.-registered exchange addresses \$2.3 billion in annual hack losses with institutional-grade security infrastructure and transparent reserve verification



Brighton, Colorado Oct 15, 2025 ([Issuewire.com](https://www.issuewire.com)) - [AZETHIO](https://www.issuewire.com) Crypto Group Limited, a U.S.-registered digital asset exchange, has launched a trading platform designed to address security vulnerabilities that cost the cryptocurrency industry \$2.3 billion in hack-related losses during 2024—a 40% increase from the previous year. With 72 million North American crypto users now representing 23.7% of global market revenue, the platform targets persistent concerns about asset safety that affect 63% of U.S. adults considering cryptocurrency adoption.

The U.S. cryptocurrency market, valued at \$1.35 billion in 2024 and projected to reach \$5.07 billion by 2035, faces a critical trust deficit. Recent data shows over one-fifth of U.S. crypto holders experienced fraud or theft, while 48% cite fears of personal operational errors—such as sending funds to incorrect wallets or losing private keys—as their primary concern. These security gaps have intensified as institutional investors identify clear regulatory frameworks as the top catalyst for industry growth, with 60% preferring access through regulated instruments.

Addressing U.S. Traders' Asset Safety Requirements

AZETHIO's infrastructure centers on three security priorities identified through industry analysis: custody protection, regulatory transparency, and operational resilience.

The platform implements Multi-Party Computation (MPC) for cryptographic key management, distributing key control across multiple parties to eliminate single points of failure—meaning no individual can access user funds independently. This approach combines with a tiered wallet structure separating hot, warm, and cold storage, with the majority of assets maintained in offline environments.

Asset verification operates through monthly Proof-of-Reserves (POR) publications, enabling traders to independently confirm that deposited funds remain fully backed and segregated. The system provides on-chain attestation of reserve ratios, addressing concerns about exchange solvency that emerged following multiple high-profile platform failures in recent years.

Operating under U.S. Money Services Business registration with state-level Money Transmitter Licenses, AZETHIO maintains mandatory Know Your Customer (KYC) and Anti-Money Laundering (AML) procedures aligned with Financial Crimes Enforcement Network (FinCEN) standards. Real-time transaction monitoring includes blockchain address risk scoring and automated sanctions list cross-checks against Office of Foreign Assets Control (OFAC) databases.

What U.S. Traders Gain Access To

The platform provides:

- **Custody Security:** MPC-based key management with insurance coverage for custodial assets, reducing exposure to the operational errors cited by 48% of U.S. holders as their primary concern
- **Asset Transparency:** Monthly on-chain reserve verifications and quarterly third-party audits, providing independently confirmable proof of full backing
- **Regulatory Clarity:** U.S.-compliant operations with state licensing and federal reporting requirements, meeting the regulated framework preference expressed by 60% of institutional investors
- **Performance Infrastructure:** Trading engine processing over 1.2 million transactions per second with sub-millisecond latency, supporting both retail and institutional execution needs
- **Multilingual Support:** 24/7 assistance across 12+ languages with comprehensive educational resources for new participants

Compliance Framework for Market Maturity

As the U.S. maintains its position as the jurisdiction with the most registered centralized exchanges—64 as of February 2025—regulatory alignment has become a competitive differentiator. AZETHIO's compliance architecture adapts dynamically to evolving federal and state requirements, including integration with Markets in Crypto-Assets (MiCA) standards for potential international users and adherence to the OECD's Crypto Asset Reporting Framework (CARF).

Security protocols extend beyond custody to encompass ISO/IEC 27001 and SOC Type 2 certified frameworks, continuous DDoS mitigation, and 24/7 operational monitoring with geo-distributed infrastructure across U.S., European, and Asian regions. The platform maintains 99.99% uptime service level agreements with automated failover systems.

With North America's regulatory momentum—including spot Bitcoin ETF approvals and clearer

institutional frameworks—helping legitimize cryptocurrency within traditional finance channels, U.S. traders require platforms that combine advanced security with transparent compliance. AZETHIO addresses this intersection by providing infrastructure where asset protection measures are independently verifiable and regulatory alignment is proactive rather than reactive.

The platform currently supports spot trading, staking services, and fiat on-ramps for USD deposits, with institutional-grade API endpoints available for professional traders requiring high-throughput connectivity.

About AZETHIO

[AZETHIO](#) Crypto Group Limited is a U.S.-registered cryptocurrency exchange providing institutional-grade digital asset trading infrastructure with multi-state licensing. The platform combines MPC-based custody security, transparent Proof-of-Reserves verification, and comprehensive KYC/AML compliance aligned with U.S. federal and state standards. Operating under FinCEN registration with ongoing state Money Transmitter License applications, AZETHIO serves retail and institutional traders requiring verifiable asset protection and regulatory clarity.

Contact:

AZETHIO Crypto Group Limited
Samantha Brooks
Chief Compliance Officer
samantha.brooks@ahclzdq.com
<https://www.ahclzdq.com>



Media Contact

AZETHIO

*****@ahclzdq.com

Source : AZETHIO

[See on IssueWire](#)