

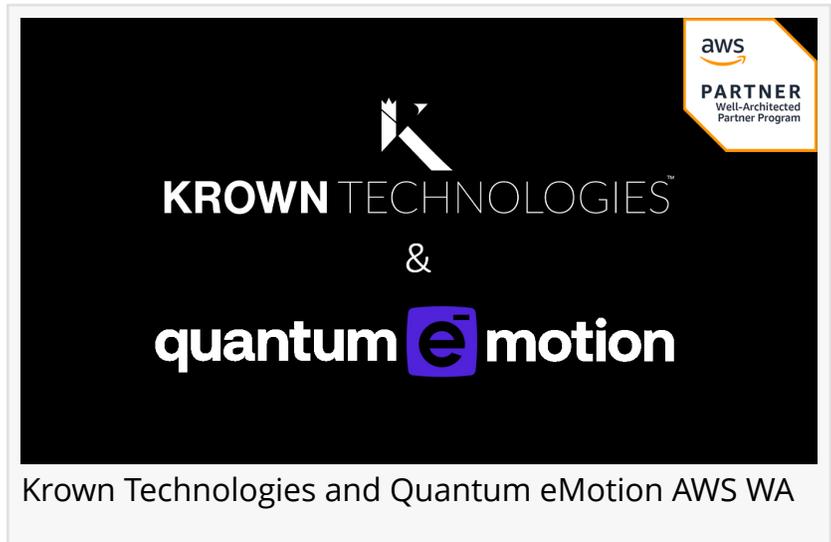
Krown Network Achieves AWS Well-Architected Compliance, Advancing Its Quantum-Secured Blockchain Infrastructure

A major compliance milestone as Krown advances toward SOC2 and ISO 27001 with quantum-grade protection

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EINPresswire.com/ -- Krown

Technologies Inc., creator of the [Krown Network](#) and the Camelot Ecosystem, announced today that its cloud architecture has been validated as compliant with the Amazon Web Services (AWS) Well-Architected Framework, marking a significant milestone for one of the world's most security-centric blockchain ecosystems.



This accomplishment builds on Krown's strategic alliance with [Quantum eMotion](#) (QeM) and the integration of its QRNG2 quantum entropy engine, ensuring that Krown's entire infrastructure stack, from cloud workloads to blockchain operations, is aligned with the highest standards of modern cybersecurity and next-generation quantum protection.

By combining AWS Well-Architected best practices with Quantum eMotion's Quantum Random Number Generator (QRNG) and Secure-by-Design Quantum (SDQ) architecture, Krown replaces vulnerable software-based entropy with true, physics-based quantum randomness for cryptographic key generation, validator identities, smart contracts, and transaction nonces. Anchoring trust directly in hardware prevents key cloning, reuse, or extraction—even in compromised environments—resulting in a blockchain that is quantum-resilient, institution-ready, and aligned with emerging regulatory and security expectations for high-value digital assets and tokenized ecosystems.

AWS + Quantum Security: A Dual Foundation for the Camelot Ecosystem

AWS Well-Architected certification evaluates cloud systems across six pillars: Security, Reliability, Performance Efficiency, Operational Excellence, Cost Optimization, and Sustainability.

Krown's compliance confirms that all major cloud workloads supporting Krown Chain, KrownDEX, [Qastle Wallet](#), Krown Social, KrownIQ, and more have been architected in accordance with these global benchmarks.

Simultaneously, Quantum eMotion's QRNG2 provides hardware-level, quantum-generated entropy, strengthening Krown's cryptography, key generation, authentication, and consensus mechanisms. This dual-layer architecture delivers unmatched protection against classical and future post-quantum cyber threats.

A Stronger, Quantum-Fortified Cloud Architecture Security & Threat Resistance

AWS-native controls combined with QRNG2's true quantum randomness reinforce every identity, validator key, wallet seed, encryption cycle, and authentication path across the ecosystem.

Resilience & Reliability

Fault-tolerant AWS architecture ensures high availability, while QRNG2 eliminates entropy weaknesses that attackers commonly exploit.

Performance & Scalability

Quantum entropy supports secure, high-speed scaling across millions of potential users and transactions without compromising cryptographic integrity.

Operational Excellence & Governance

AWS monitoring, automation, and governance paired with QRNG2's secure randomness give Krown a fortified backbone capable of supporting enterprise partners, global validators, and evolving regulatory requirements.

Executive Commentary

James Stephens, Founder & CEO of Krown Technologies Inc., stated:

"Krown was built to eliminate the vulnerabilities that harmed people like me and countless others in this industry. Our compliance with AWS's Well-Architected standards, combined with our partnership with Quantum eMotion and the integration of their QRNG2 technology, demonstrates our commitment to security at the deepest architectural level. This is how trust is restored in blockchain — not with infrastructure engineered for the quantum era."

Dr. Francis Bellido, CEO of Quantum eMotion, added:

"Quantum eMotion is proud to work alongside Krown Technologies as they build one of the world's most advanced blockchain ecosystems. The integration of our QRNG2 quantum entropy engine directly into their architecture reflects a shared commitment to uncompromising security and technological innovation. In a future where quantum computing will challenge traditional cryptography, Krown is taking the right steps today to protect users, partners, and enterprises on a global scale."

Quantum Protection at the Core of Camelot

This architectural milestone supports Krown's mission to deliver a blockchain ecosystem engineered for:

- global validator and staking operations
- enterprise-grade DeFi infrastructure
- secure crypto payments and swaps
- quantum-resistant authentication and wallets
- compliance-ready financial and identity systems

With AWS Well-Architected compliance and QRNG2 integrated at the foundational level, Krown is positioned as a global leader in quantum-secured Web3 infrastructure.

About Krown Technologies Inc.

Krown Technologies Inc. is a global technology company pioneering the world's first natively quantum-secured blockchain infrastructure. From its headquarters in Monroe, Louisiana, the company designs, develops, and operates a comprehensive suite of more than 30 Web3 products and services within its unified Camelot Ecosystem, including Krown Chain, KrownDEX, Qastle Wallet, Krown Social, and KrownIQ. Through its strategic alliance with Quantum eMotion and the integration of QRNG2 quantum entropy, Krown Technologies is setting a new industry standard for security, resilience, and trust across decentralized systems—engineering blockchain solutions built for today's digital economy and the post-quantum era ahead.

About Quantum eMotion (QeM)

Quantum eMotion Inc. is a pioneering Canadian technology company specializing in quantum-safe cybersecurity. Its flagship product, QRNG2, is a next-generation quantum random number generator that produces true, unpredictable entropy designed to safeguard cryptographic systems against classical and post-quantum attacks. QeM's mission is to protect the digital world through quantum innovation, enabling banks, governments, enterprises, and blockchain networks like Krown to operate with unprecedented security and trust.

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