Quantum eMotion’s Francis Bellido on Turning Quantum Physics Into Cybersecurity Infrastructure

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Quantum eMotion Corp. (NYSE American: QNC | TSXV: QNC | FSE: 34Q0) is moving from quantum cybersecurity concept to semiconductor execution.

In an InvestorTalk interview with Darren Cudmore, President, CEO and Director, Dr. Francis Bellido framed the company’s newly signed consortium agreement with Taiwan-based JMEM TEK as more than another technical collaboration. It is, in his view, a step toward embedding Quantum eMotion’s quantum random number generation technology directly into secure chips.

The agreement, announced May 19, 2026, is intended to accelerate development of a quantum-resilient Universal Security system-on-chip platform integrating Quantum eMotion’s diode-based quantum entropy source with JMEM’s secure semiconductor capabilities.

“What they don’t have is actually a source of randomness that is pure,” Bellido said of JMEM. “And the only way you can get a pure source of randomness is actually rely on quantum physics.”

That sentence captures the company’s central claim. In cybersecurity, randomness is not decorative. It is foundational. Keys, encryption systems, authentication and hardware security all depend on it. Bellido’s argument is that conventional approaches are not enough in an environment increasingly shaped by quantum computing risk and AI-driven attacks.

The partnership with JMEM is aimed at bringing Quantum eMotion's QRNG technology into a miniaturized chip architecture. Bellido described miniaturization as "a game changer," particularly because JMEM's expertise lies in security chips, root-of-trust technology and Physical Unclonable Functions, or PUFs.

The company has also widened its platform through eShield-Q, which Bellido described as a full-stack quantum cybersecurity offering combining QRNG, post-quantum encryption, classical encryption and Secure Keys, the technology acquired earlier this year. In Bellido's view, post-quantum encryption alone is insufficient. Quantum-level randomness, he argued, is part of what makes the protection architecture complete.

That message arrives as Quantum eMotion works to broaden its capital markets profile. The company began trading on the NYSE American under the symbol QNC in February 2026, while maintaining its TSX Venture and Frankfurt listings.

For Bellido, the uplisting is part of a larger objective: moving beyond a heavily retail shareholder base and attracting more institutional attention. He was candid that retail ownership has contributed to volatility, but equally clear that he believes the company now has the technology base, balance sheet and timing to make a stronger case to larger investors.

Bellido's own background helps explain the company's unusual positioning. Trained across history, philosophy, science and healthcare innovation, he described his role less as pure physicist than as translator — connecting technology, business and value creation.

"At the end of the day, you need to have somebody that can make the connection between technology, business and value," he said.

That is the real test now for Quantum eMotion. The company has

the vocabulary of one of the market's most powerful themes: quantum security, semiconductor resilience, AI-era cyber defense and trusted hardware. The next phase is about proving that those words can be compressed into chips, certifications, commercial partnerships and revenue.

In a market crowded with quantum claims, Bellido is trying to make Quantum eMotion stand out on execution — not by predicting the quantum future, but by building the security layer that future may require.

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