



Future-Proofing Data in a Quantum World

CSE: QSE | OTCQB: QSEGF | FSE: VN80

May 2026



Forward Looking Statement

This presentation contains forward-looking statements. These statements relate to future events or future performance and reflect our expectations and assumptions regarding our growth, results of operations, performance and business prospects and opportunities. Such forward-looking statements reflect our current beliefs and are based on information currently available to us. In some cases, forward-looking statements can be identified by terminology such as “may”, “would”, “could”, “will”, “should”, “expect”, “plan”, “intend”, “anticipate”, “believe”, “estimate”, “predict”, “potential”, “continue” or the negative of these terms or other similar expressions concerning matters that are not historical facts. The forward-looking statements in this presentation include, among others, statements regarding (i) future operating results, (ii) revenue generated from the QSE Platform, (iii) the anticipated time frame to complete additional upgrades to the QSE Platform, (iv) the Company’s ability to obtain market share, (v) general economic performance of the Company.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause our actual performance or achievements to differ materially from anticipate results, performance or achievements expressed or implied by such forward looking statements. The risks and uncertainties that affect forward-looking statements include, but are not limited to:

- our expected future losses and accumulated deficit levels;
- our projected financial position and estimated cash burn rate;
- our ability to continue as a going concern;
- our requirement for, and our ability to obtain, future financing on favorable terms or at all;
- our potential sources of financing to fund ongoing operations;
- our assessment of market acceptance of the QSE product suite;
- our plans to market, sell and distribute the QSE product suite;
- our expectations with respect to future corporate alliances and licensing transactions with third parties;
- our strategy with respect to the protection of our intellectual property;
- the regulatory approval process;
- our ability to successfully compete in our targeted markets;
- our ability to adequately protect proprietary information and technology from competitors;
- our ability to attract and retain key personnel;
- the potential for liability claims; and
- the substantial risks involved in early-stage technology development companies related to, among other things, commercialization, capitalization, cost containment, and potential litigation.

A number of factors and assumptions could cause actual events, performance, or results, including those in respect of the foregoing items, to differ materially from the events, performance and results discussed in the forward-looking statements. Material factors and assumptions that could cause actual events, performance, or results to differ materially from those set forth in the forward-looking statements include, but are not limited to:

- the effect of continuing operating losses on our ability to obtain, on satisfactory terms, or at all, the capital required to maintain the Company as a going concern;
- the ability to obtain sufficient and suitable financing to support operations, development and the continued upgrade to the QSE Platform;
- the ability of the Company to retain qualified personnel to continue the upgrades to the Company’s QSE Platform;
- the ability to generate market acceptance of the Company’s product suite under the QSE Platform;
- the loss of the Company’s sole customer on the QSE Platform; and
- the increase in operating costs from additional development and commercialization costs and increased staff.

Although the forward-looking statements contained in this presentation are based on what we consider to be reasonable assumptions based on information currently available to us, there can be no assurance that actual events, performance, or results will be consistent with these forward-looking statements, and our assumptions may prove to be incorrect. These forward-looking statements are made as of the date of this presentation.

Forward-looking statements made in this presentation are made as of the date of the original document and have not been updated by us except as expressly provided for in this presentation. As required by applicable securities legislation, in its capacity as a reporting issuer, it is the Company’s policy to update forward-looking information in its periodic MD&As, as required from time to time, and provide updates on its activities to the public through the filing and dissemination of news releases and material change reports.

A Foundational Cybersecurity Layer for the Quantum Era

Quantum computing is rewriting the rules of encryption. QSE delivers the security infrastructure enterprises and governments need — today.

Plug-and-Play Security

No infrastructure replacement required — deploy quantum protection on existing systems

Core Infrastructure

Positioned as foundational security, not a point solution

Multi-Million Dollar Pipeline

Early commercial traction with growing enterprise and government deals

Scalable Revenue

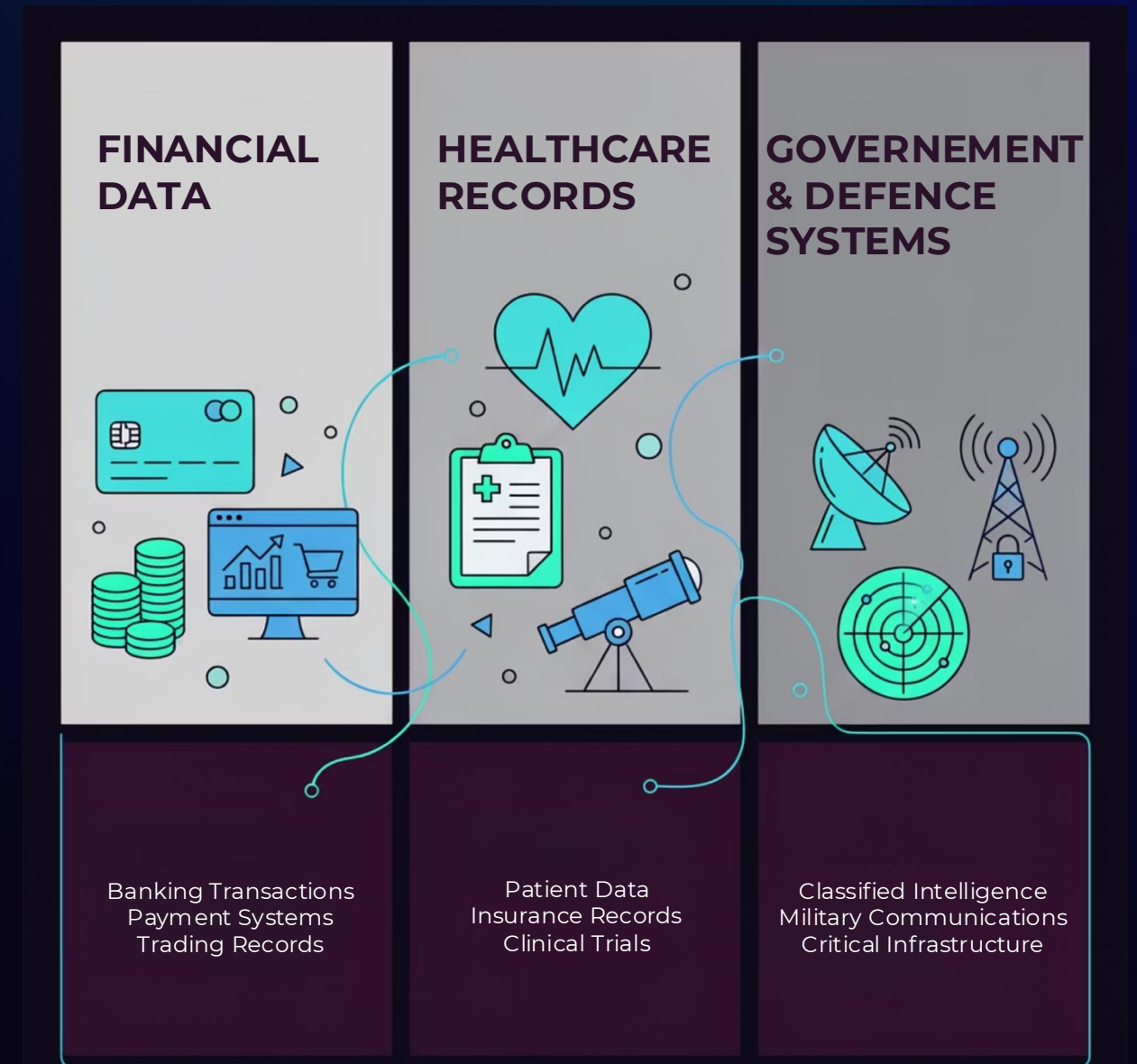
SaaS + enterprise deployment driving predictable recurring revenue



Today's Encryption Has an Expiration Date

RSA and ECC — the standards protecting virtually all sensitive data today — will be rendered obsolete by quantum computing. Worse, adversaries are harvesting encrypted data *right now* to decrypt it later.

📄 **The risk is not theoretical — it is already underway.** Nation-state actors are executing "harvest now, decrypt later" strategies against critical infrastructure.



A Regulatory-Driven Inflection Point

The shift to post-quantum cryptography is no longer a matter of 'if,' but 'when' and 'how,' driven by urgent global regulatory mandates.

This marks the beginning of a multi-decade infrastructure transition, demanding immediate strategic action.

Mandated Standards

Global bodies like **NIST** and **FIPS** are actively defining and transitioning to post-quantum cryptographic standards.

Government Directives

Governments are enforcing **cryptographic inventory** (2026–2027) and setting , **making compliance non-negotiable.**

Enterprise Acceleration

Large organizations are rapidly adopting Post Quantum Computing (PQC) to avoid regulatory penalties, reputational damage, and long-term data exposure.



A Paradigm Shift: The Rise of Post-Quantum Cybersecurity

The Big Picture

- Cybersecurity is already a **\$250B+** global market.
- Quantum computing will soon **break current encryption standards**.
- This creates an entirely new, critical category: **Post-Quantum Cybersecurity**.

Market Growth

\$2B

Quantum security market in **2023**

\$8B+

Projected quantum security market by **2030**

~44%

Annual growth, making it one of the fastest-growing segments in cybersecurity.

Urgency & Necessity

- More than **70% of organizations** expected to adopt quantum-safe security by 2030.
- Cybercrime losses projected to hit **\$10.5 TRILLION globally**.
- Implementing post-quantum solutions is rapidly becoming a **necessity, not a choice**.

The transition to quantum-safe security is inevitable and already starting.

WHAT QSE DOES

A Plug-and-Play Quantum Security Layer

QSE enables organizations to secure their data today and into the quantum future — **without replacing existing systems.**



Quantum-Resilient Encryption

Adds a robust, future-proof encryption layer to existing infrastructure.



Comprehensive Data Protection

Safeguards data at rest, in transit, and fortifies identity and access systems.



Flexible Deployment

Delivered via API for enterprise integration or autonomous on-prem for high-security environments.

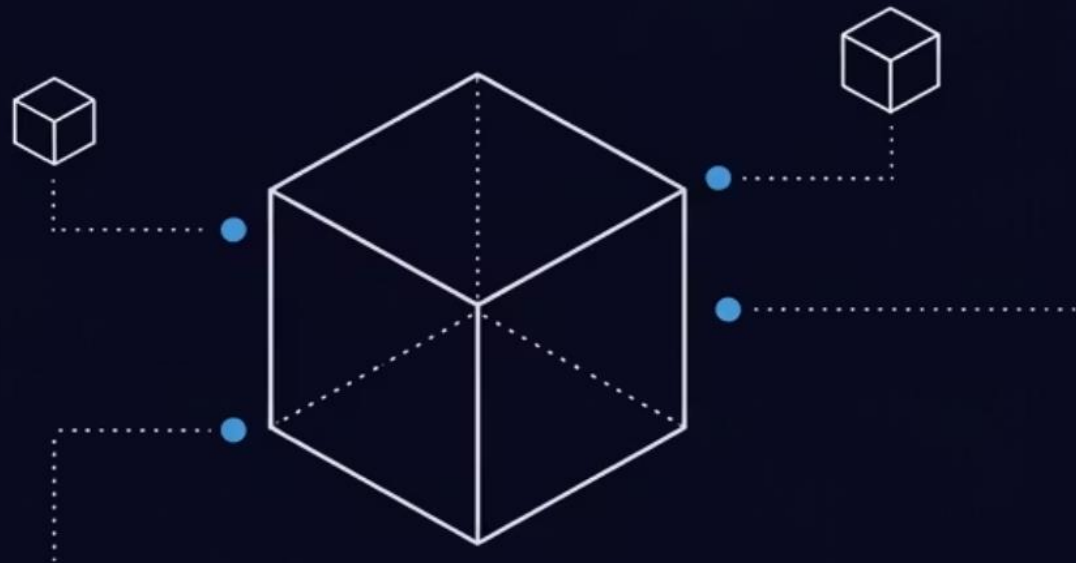
 **No rip-and-replace. No disruption. Immediate protection.**



Why QSE Works

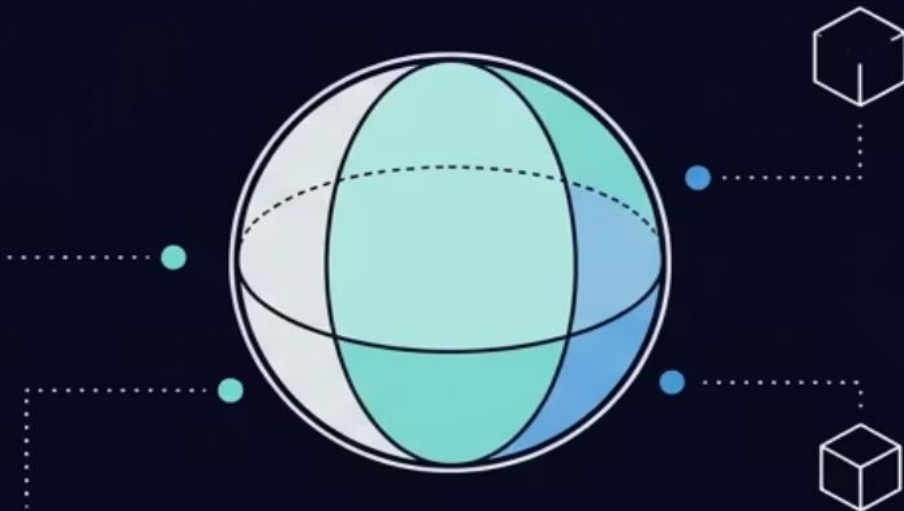
Think of it as replacing a lock that can be picked... with one that changes every time it's used.

TRADITIONAL ENCRYPTION: PREDICTABLE PATTERNS



- Relies on complex but predictable mathematical patterns.
- Quantum computers can solve these patterns exponentially faster, rendering current methods obsolete.

QSE: TRUE QUANTUM RANDOMNESS



- Uses quantum-generated randomness (entropy) as its foundation.
- Cannot be recreated, predicted, or reverse-engineered by any computational means, including quantum.

Differentiated by Design



Plug-and-Play Integration

Seamlessly integrates into existing security frameworks, requiring no rip-and-replace of current infrastructure.



True Quantum Randomness

Leverages non-deterministic entropy sources to generate keys that are provably secure against even future quantum attacks.



On-Premise Capability

Offers autonomous, on-premises deployment options for critical infrastructure, ensuring full data sovereignty and regulatory compliance.



Full-Stack Platform

Provides a comprehensive solution from initial assessment and protection to identity management and secure data storage.

Positioned as core infrastructure, not merely a feature, providing foundational security for the quantum era.

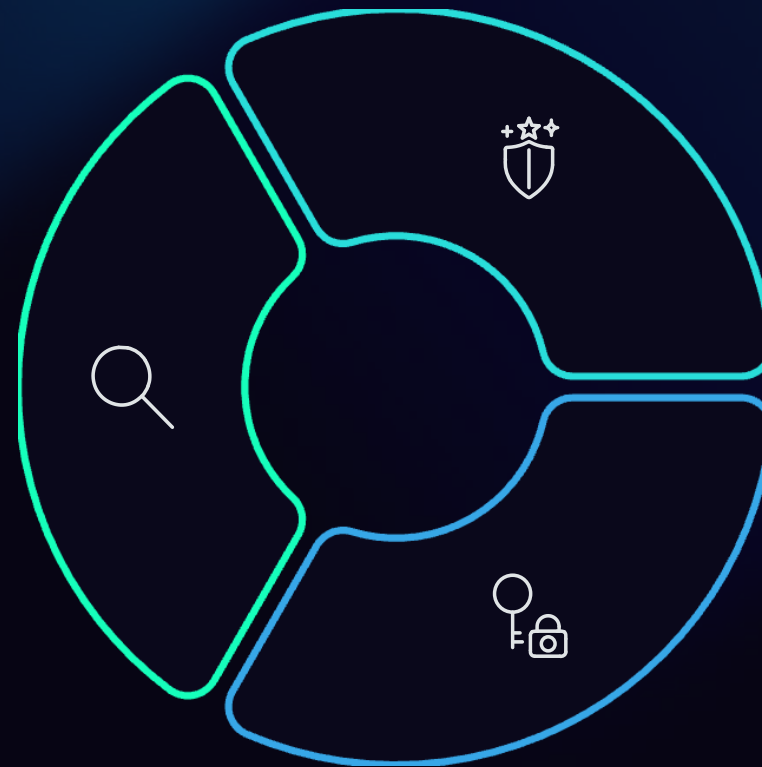


End-to-End Quantum Security Ecosystem

QSE delivers a full lifecycle solution, ensuring comprehensive protection for digital assets.

1. Assess

- Quantum Preparedness Assessment (QPA)
- Identifies vulnerabilities & compliance gaps and builds out roadmap



2. Protect

- Entropy layer (API / on-prem hardware) (qAPI, qREK)
- Quantum-secure encryption & Quantum-secure decentralized storage (QSEaaS)

3. Control Access

- Quantum-hardened identity & Single Sign-On (QAuth)

One platform. Full coverage. From initial vulnerability assessment to advanced identity management, QSE provides the integrated security framework needed to thrive in a post-quantum world.

Multiple High-Margin Recurring Revenue Streams

QSE's business model is built on diverse, recurring revenue streams, ensuring sustained growth and market leadership in the post-quantum era.



SaaS Subscriptions

Recurring revenue from Quantum Preparedness Assessment (QPA), Quantum Authentication (QAuth), and platform access.



Enterprise Deployments

Revenue generated through large-scale API integrations and custom deployments for enterprise clients.



Infrastructure Usage

Usage-based revenue from quantum entropy generation and secure storage services for critical data.



On-Prem Hardware

Sales and maintenance of specialized hardware for autonomous on-premise deployments in high-security environments.

Our "land-and-expand" model focuses on delivering immediate value, fostering long-term customer relationships and driving increased consumption over time.

Expanding Customer / Partnership Base

This provides clear near-term revenue visibility with significant long-term upside potential.



Established Revenue Base

- Existing customer base generating **millions in annual revenue**
- Revenue derived from deployed enterprise solutions

Pipeline Development

- **Multi-million-dollar** opportunity pipeline
- **Ongoing expansion** within existing and new customer accounts
- Strategic expansion through a robust **global partner network**
- Active shortlisted status for **lucrative government and enterprise contracts**

Provides clear near-term revenue visibility with significant long-term upside potential.

Partner-Led Global Expansion

QSE is accelerating its global reach through **strategic partnerships and targeted sales initiatives**, ensuring efficient market entry and scalable distribution.

Value-Added Distributors

Leveraging established networks across APAC, EMEA, and other key regions for broad market penetration and localized support.

Direct Enterprise & Government Sales

Cultivating high-value relationships with large enterprises and government entities through direct engagement and specialized teams.

Regulated Industry Focus

Prioritizing sectors with urgent compliance needs, such as finance, healthcare, and defense, where quantum security is paramount.

This multi-pronged approach allows QSE to rapidly scale its footprint while addressing critical security mandates in diverse global markets.



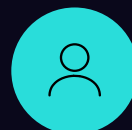
Building a Scalable Revenue Base

QSE's early commercial success provides a robust foundation for rapid expansion and market leadership in the post-quantum era.



262 Enterprise Customers

Demonstrating established market demand and integration.



102,000+ Active Users

Across diverse global markets, highlighting broad acceptance and operational utility.



Global Deployments

Active presence in 4 regions and 13 countries, including Asia, Europe, and the United States.



11 Commercial Partners

Strategic alliances expanding reach and accelerating market penetration



Government Certifications

Key approvals enable access to high-security contracts and critical infrastructure projects.

Designed for Expansion

QSE's customer engagement model is strategically built to maximize lifetime value through a clear progression from initial assessment to full platform integration and sustained retention.



This structured approach ensures deep integration, creating high switching costs and fostering strong, long-term customer relationships.

Industry-Leading Certifications & Patents

QSE's technology and processes are rigorously validated, meeting the highest global standards for quantum-safe security and data protection.



Global Compliance Frameworks

Adherence to critical standards including **NIST SP800-22, SP800-57, FIPS 140-3 PQC, and ISO/IEC 14888, 18033-8, & 20543 PQC guidelines**, ensuring universal applicability.



International Recognition

Achieved **CSCC - Cybersecurity Canada Level 2** (up to Top Secret – NATO/NORAD) and holds a **European Patent (EP 3731483A1)** for QSE Entropy Technology.



Data Security Assurance

Certified **SoC2 Compliant (SSO) and HIPAA Compliant**, providing robust data privacy and security for sensitive information across industries.



Extensive Patent Portfolio

Backed by significant intellectual property, with **10 USPTO patents pending** (as of Feb 2, 2026), solidifying our innovative edge.

Our QSE Entropy technology has been independently verified by recognized global standards evaluators including NIST and DIEHARDER, underscoring its foundational strength.

Experienced Leadership Across Technology & Capital Markets

Our leadership team brings deep, multi-disciplinary expertise across cybersecurity, enterprise software, and capital markets, with a proven track record of scaling technology platforms and executing public market strategies.



Ted Carefoot, CEO

Over 20 years leading high-performance product teams, with expertise in AI-driven cloud, digital security, risk management, and software product development. Previously Development Director at EA.



James Young, Director

Seasoned entrepreneur and executive with 25+ years across telecom, print/digital publishing, digital advertising, and software development.



Darien Lattanzi, Director

Experienced business associate in junior venture markets (exploration, mining, crypto, cannabis, tech) with active involvement in capital raises exceeding \$70,000,000.



Shoukri Kattan, Director

20+ years of experience spanning startups and enterprises in AI, MedTech, and digital health, bringing technology innovation and market strategy expertise.



Michael Massing, CTO

Technology executive with 30+ years in cybersecurity, cryptography, AI and advanced computing, including senior roles at Dell SonicWall, TokenX Labs and LifeSite. He holds eight issued patents and experience supporting NASA's SETI initiatives.



Alan Tam, CFO & Director

Senior executive with over 20 years of experience in structuring, planning, and executing IPOs, RTOs, and CPCs.

Valuation Disconnect

Despite operating in one of the fastest-emerging areas of cybersecurity, QSE currently trades at a substantial discount to both Canadian and U.S. quantum-security peers.

Company	Ticker / Market	Relevance	Approx. market value	LTM revenue	Market cap / LTM revenue
Quantum Secure Encryption Corp.	CSE: QSE / OTCQB: QSEGF	Post-quantum cybersecurity, entropy, QPA, QAuth, secure storage	~C\$36M	~C\$240K	~150x
Quantum eMotion	TSXV: QNC / NYSE American: QNC	Canadian quantum cybersecurity / QRNG peer	~C\$1.0B	~C\$22K	~46,000x
Arqit Quantum	NASDAQ: ARQQ	Quantum-safe encryption / cybersecurity peer	~US\$246M	~US\$1.09M	~226x
Quantum Computing Inc.	NASDAQ: QUBT	Broader quantum infrastructure / photonics / communications	~US\$2.6B	~US\$4.33M	~600x

The opportunity is that even a partial narrowing of the valuation gap could represent significant upside as QSE continues converting customer traction, partner relationships, and pipeline opportunities into recognized revenue.

Strong Capital Structure

Quantum Secure Encryption Corp. maintains an efficient and robust capital structure, providing stability and flexibility for future growth initiatives.

Ticker	CSE:QSE OTCQB:QSEFG FSE:VNE
Share Price (May 3, 2026)	\$0.44
Issued and Outstanding Shares	68,086,112
Warrants	5,858,076
Stock Options	2,244,333
Restricted Stock Units (RSUs)	1,635,000
Fully Diluted Shares	77,823,521
Market Capitalization (May 3, 2026)	\$30,298,893

 **\$2.8 Million in Cash** | **Zero Debt ***

* As at December 31, 2025

Key Investment Highlights

Quantum Secure Encryption Corp. presents a compelling investment opportunity at the forefront of the quantum cybersecurity revolution.



Pioneering Cybersecurity Segment

Positioned in a rapidly emerging cybersecurity segment driven by the imminent risks posed by quantum computing.



Plug-and-Play Solution

Differentiated technology that seamlessly integrates into existing systems without requiring costly infrastructure overhaul.



Established Revenue Foundation

Built on an established revenue base, generating millions annually from a growing portfolio of existing customers.



Addressing an Immediate Problem

Offers a vital solution as governments and enterprises proactively prepare for new quantum-safe security standards.



Growing Global Customer Base

A rapidly expanding customer base with active enterprise deployments across multiple key regions worldwide.



Robust Opportunity Pipeline

An expanding pipeline of high-value opportunities, including significant enterprise and government engagements.



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