IronCAP™ Post-Quantum Cybersecurity

Summer - 2025

Tomorrow's Cyber Security, Today

IRONCAP

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Investment Highlights

What is the Quantum Threat (Q-Day)

- Quantum computers will crack current encryption methods
- Everything is vulnerable: email, financials, crypto, AI, etc.

Q-Day Protection (with US Patents)

- Convert everything to become Quantum-safe
- 01 Quantum is the leader with its IronCAP™ product line

Why Invest Today?

- Quantum-driven cybersecurity threat urgently need solutions today
- World's First Commercial SaaS Quantum-safe Cybersecurity products
- Widely recognized expertise being monetized with global partners

Quantum Computing
A Near-term Commercial Reality

IBM Roadmap
Expects large-scale fault tolerant quantum computer by 2029

IBM 2025-2026 Deliveries
Loon (2025) → Kookaburra (2026)

Quantinuum (Honeywell)
New version within 2025 will be 1 billion times faster

Microsoft
"Majorana 1" topological core in Feb 2025

Google
Willow achieved a major breakthrough in Dec 2024

Q-Day is today's problem

Executive Office of the US President

- Reminded agencies to be mindful that encrypted data can be recorded now and decrypted at a later date by operators of a future CRQC (Cryptanalytically Relevant Quantum Computer).

US Secretary of Commerce (Howard Lutnick)

- The worldwide cybersecurity will be totally broken by quantum computers if we don't act immediately.

Canadian Government

- The Carney government has named quantum technologies as a priority topic in the G7 meeting.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

THE DIRECTOR

November 18, 2022

M-23-02

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Shalanda D. Young
Director

SUBJECT: Migrating to Post-Quantum Cryptography

This memorandum provides direction for agencies to comply with National Security Memorandum 10 (NSM-10), *on Promoting United States Leadership in Quantum Computing While Mitigating Risk to Vulnerable Cryptographic Systems* (May 4, 2022).[1]

I. OVERVIEW

Federal agencies[2] ("agencies") are moving to a zero trust architecture, as directed by Executive Order 14028, *Improving the Nation's Cybersecurity* (May 12, 2021)[3] and Office of Management and Budget (OMB) Memorandum M-22-09, *Moving the U.S. Government Toward Zero Trust Cybersecurity Principles* (Jan. 26, 2022).[4] This paradigm shift relies in part on the ubiquitous use of strong encryption throughout agencies.

As outlined in NSM-10, the threat posed by the prospect of a cryptanalytically relevant quantum computer (CRQC)[5] requires that agencies prepare now to implement post-quantum cryptography (PQC). Once operational, a CRQC is expected to be able to compromise certain widely used cryptographic algorithms used to secure Federal data and information systems.

[1] Available at: https://www.whitehouse.gov/briefing-room/statements-releases/2022/05/04/national-security-memorandum-on-promoting-united-states-leadership-in-quantum-computing-while-mitigating-risks-to-vulnerable-cryptographic-systems/
[2] The term "agency" has the meaning given in 44 U.S.C. § 3502.
[3] Available at: https://www.whitehouse.gov/briefing-room/presidential-actions/2021/05/12/executive-order-on-improving-the-nations-cybersecurity/
[4] Available at: https://www.whitehouse.gov/wp-content/uploads/2022/01/M-22-09.pdf
[5] Defined as quantum computers that are capable of actually attacking real world cryptographic systems that would be infeasible to attack with a classical computer.

Recognized Global PQC Partners

- 01 is their SME (Subject Matter Expert)
- Partners have global customers with cybersecurity vulnerability
- Revenue pipeline monetization begun

Our Expertise and Products are Commercially Ready

As PQC Expertise for our global partners (Fee + Rev sharing)

- Crypto-ATM Machines
- Cryptocurrencies Protection
- Quantum VPN
- Quantum Digital Identities
- Multi-Signatures

Quantum-Safe SaaS products (Recurring Revenue)

- Quantum Email Security (Commercially ready now)
- Quantum Remote Access (Commercially ready now)
- Quantum AI Marketplace (Commercially ready in 2026)

Revenue Model

As PQC Expertise for our global partners

- We charge engineering fees plus % of the ongoing revenues
- Subject Matter Expert partnerships in place – pipeline for revenues
- Contractual revenue begun

Quantum-Safe SaaS products

- Quantum Email Security: $9.95/month per email address
- Quantum Remote Access: $9.95/month per user
- Quantum AI Marketplace: 10% of the revenue

Partner Activity #1 - Hitachi

Quantum-Safe + Zero Trust

- Remote access tools are 100% quantum-vulnerable
- We make remote access **Quantum-Safe**. The world's first PQC remote access product commercially ready
- Contract announced in June 2025

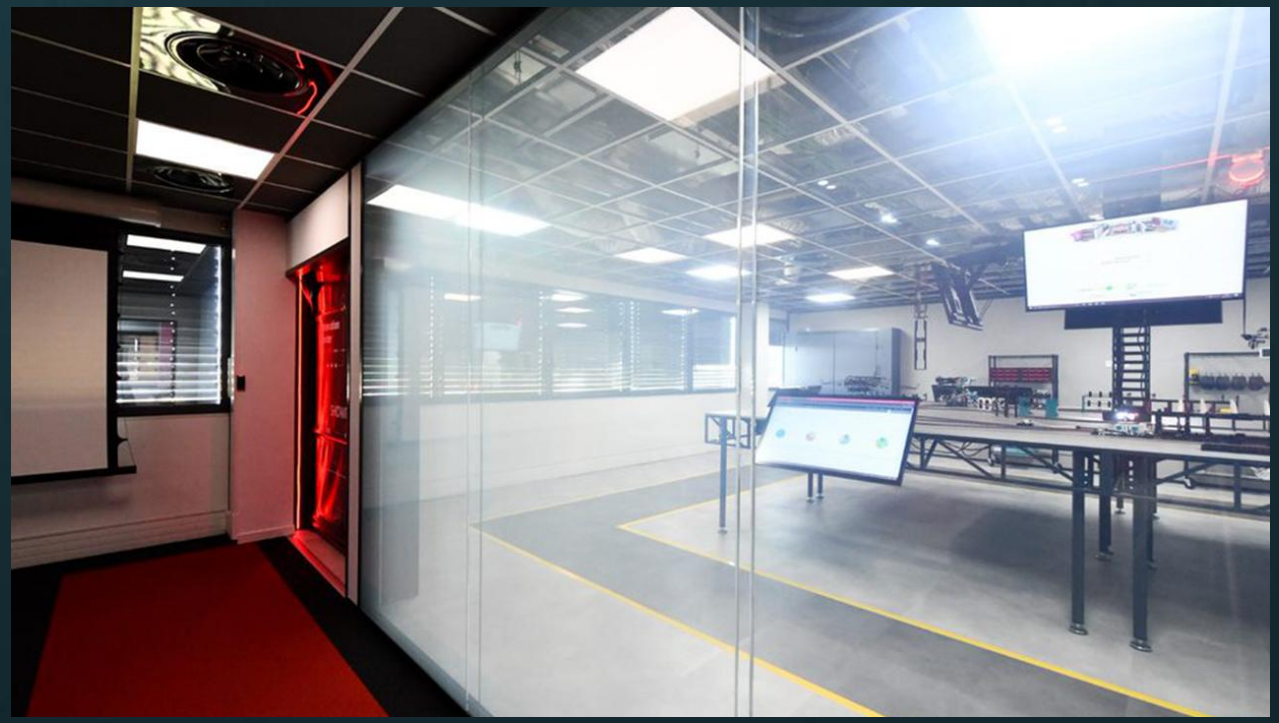
Partner Activity #2 - Crypto

- Every cryptocurrency is quantum-vulnerable (BTC, ETH, SOL, etc.)
- We have patent-protected methods to protect **Existing Public Blockchains** against quantum threat
- Huge market potential: All **$3.4t** of the current cryptocurrency value is at risk unless protected with quantum-safe methods by Q-Day
- Contract announced in July 2025
- One-time development fees + revenue sharing of token sale + % of the founders' pool tokens

Partner Activity #3 - CGI

IronCAP Demo

https://ironcap.ca/demo/cgi/



Partner Activity #4 - PwC

pwc

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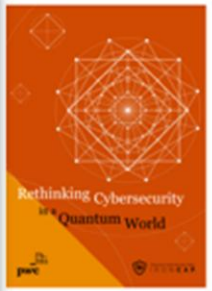

Rethinking Cybersecurity in a Quantum World

https://www.pwccn.com/en/issues/cybersecurity-and-privacy/rethinking-cybersecurity-in-a-quantum-world-jul2021.html

Email Phishing Culprit behind Ransomware

https://www.pwccn.com/en/issues/cybersecurity-and-privacy/email-phishing-culprit-behind-ransomware-apr2022.html

Partner Activity #5 – Crypto ATM

Digital Asset Exchange Machine

We helped a customer in Hong Kong to launch the world's first quantum-safe DAEM at Cyberport in Hong Kong. DAEM

DAEM adopts 2 layers of authentication to ensure end-to-end security between:

1. User's device and DAEM.
2. DAEM and the host application.

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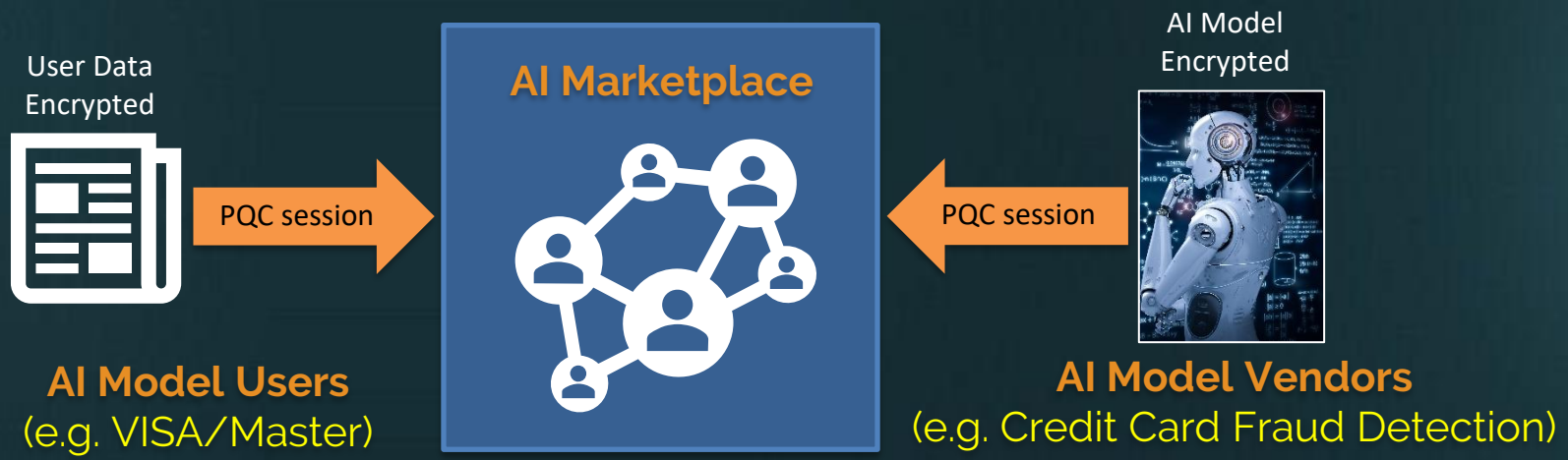
Email Security – IronCAP X™

https://ironcap.ca/ironcap-x/

- Email is the most widely used business tool in the world but yet 100% quantum-vulnerable
- Emails are 91% the source of ransomware attacks
- We make emails **Quantum-Safe**. The world's first PQC email security product commercially ready
- 730m business emails in the world (10% = 73m)
- Integration with Office Outlook

AI Safety: AI Marketplace



- All AI operations are 100% quantum-vulnerable
- The world's first Amazon-like **Quantum-Safe** marketplace for AI models
- Encrypting confidential user input and AI model (**Zero-Trust**)
- Huge **$3.4t** market potential (**Commercially Ready 2026**)

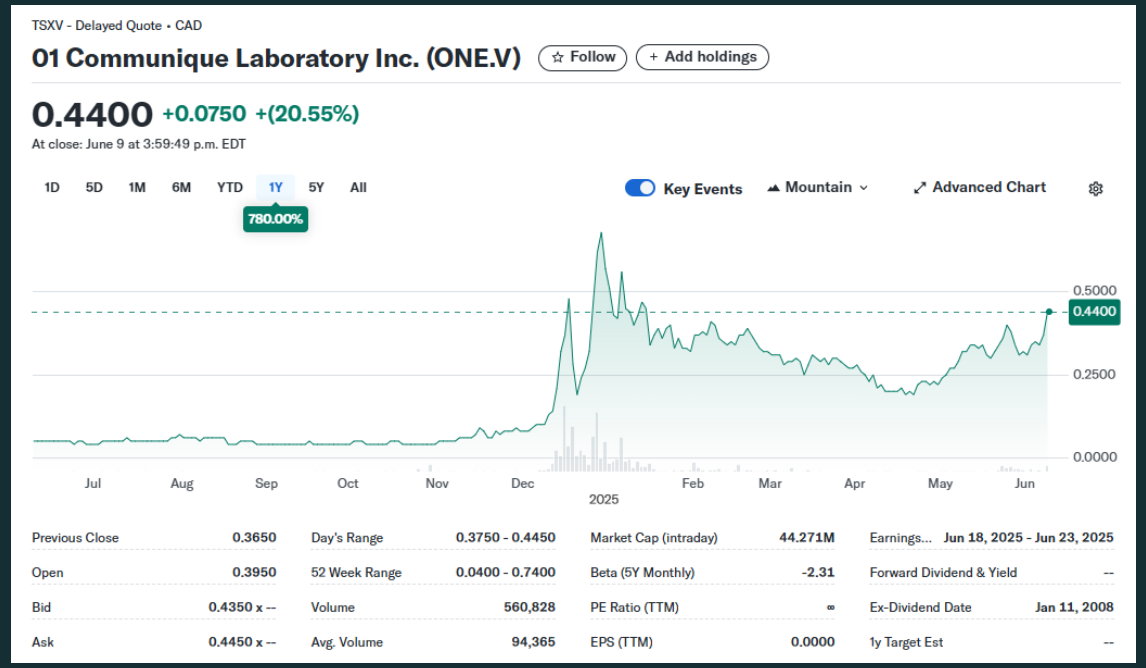
01 Quantum

(TSX-V: ONE | OTCQB: OONEF)

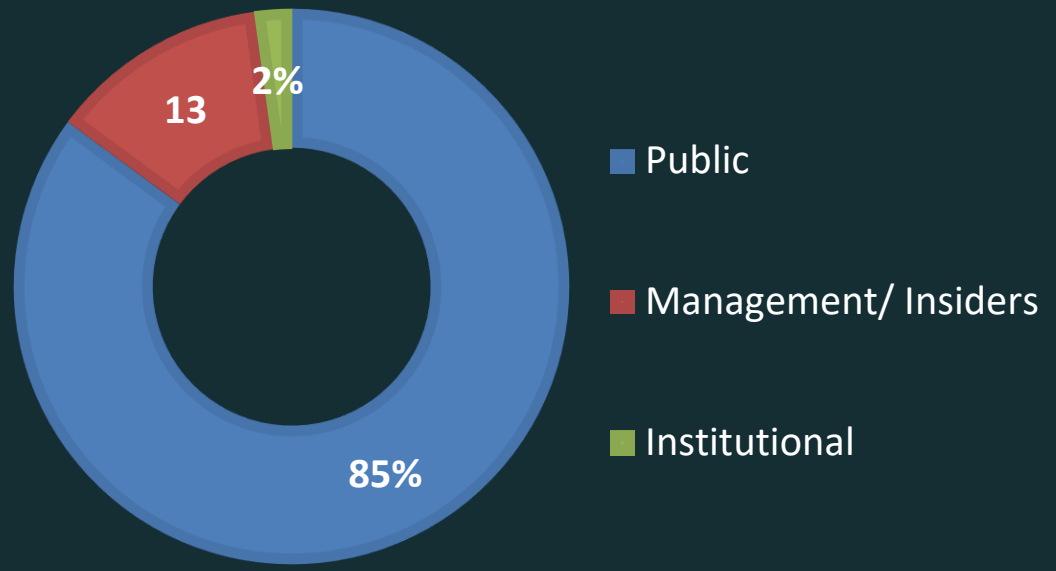
Description	Amount
Market Cap	$45,000,000
52 Weeks High/Low	$0.74 / $0.04
Cash / Debt	$1.2m / $0

Description	Amount
Basic Shares Outstanding	102,319,554
Options/Warrants Outstanding	6,705,000 / 4,852,500
Cash burn (quarterly average)	$200,000

Stock Chart



Ownership Summary



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Management and the Board

Andrew Cheung

President/CEO

Brian Stringer

CFO

William Train

Chairman & Board Member

Gary Kissack

Board Member

Tyson Macauley

Board Member

Professor Edoardo Persichetti

PQC Advisor

The Time to Act = NOW

- The quantum market today = AI market 2 years ago
- Quantum Threat must be protected today
- Revenue tipping point
- The world's first company with quantum-safe products ready to generate recurring revenues
- Subject Matter Expert relationship with our global partners are well established and being monetized

Take Away:

- Quantum Threat is here
- Everything is vulnerable
- Need to act now
- IronCAP is the Solution