QUANTUM COMPUTING INC

Investor Presentation

September 2025

NASDAQ: QUBT

Forward Looking Statements

This presentation contains forward-looking statements as defined within Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. By their nature, forward-looking statements and forecasts involve risks and uncertainties because they relate to events and depend on circumstances that will occur in the near future. Those statements include statements regarding the intent, belief or current expectations of QCi and members of its management as well as the assumptions on which such statements are based. Prospective investors are cautioned that any such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, and that actual results may differ materially from those contemplated by such forward-looking statements.

QCi undertakes no obligation to update or revise forward-looking statements to reflect changed conditions. Statements in this presentation that are not descriptions of historical facts are forward-looking statements relating to future events, and as such all forward-looking statements are made pursuant to the Securities Litigation Reform Act of 1995. Statements may contain certain forward-looking statements pertaining to future anticipated or projected plans, performance and developments, as well as other statements relating to future operations and results. Words such as “may,” “will,” “expect,” “believe,” “anticipate,” “estimate,” “intends,” “goal,” “objective,” “seek,” “attempt,” “aim to,” or variations of these or similar words, identify forward-looking statements. These risks and uncertainties include, but are not limited to, those described in Item 1A in QCi’s Annual Report on Form 10-K and other factors as may periodically be described in QCi’s filings with the U.S. Securities and Exchange Commission.

Our Team

- **50+** employees nationwide
- **Degrees** in Physics, Chemistry, Optics, Mathematics, Computer Science, Applied AI, Mechanical & Electrical Engineering, Cybersecurity and Information Networking
- **52%** with postgraduate degrees
- **20** years of research funded by the government with over $40 million of direct investment

100% dedication to changing the world

2024 EDISON PATENT AWARD

Two QCi engineers honored for their groundbreaking work addressing cybersecurity threats

Our vision: put quantum into the hands of a billion people.

- *Lead the next technology revolution with innovative quantum tech and nonlinear nanophotonics*
- *Deliver practical hardware for the real-world applications of quantum sensing, computing, photonic AI, and secure communications*

Why Photons have a Technical Advantage

As the demand for faster and more efficient data processing grows,
photonics will be a critical component of future technological advancements

HIGH-BANDWITH & FAST PROCESSING

DATA OVER DISTANCES

LOWEST ENERGY CONSUMPTION

PRECISION & SENSING

MINIATURIZATION & SCALABILITY

What differentiates QCi's Technology

Quantum That Works. Today. *Commercial. Scalable. Available.*

Nonlinear Nanophotonics

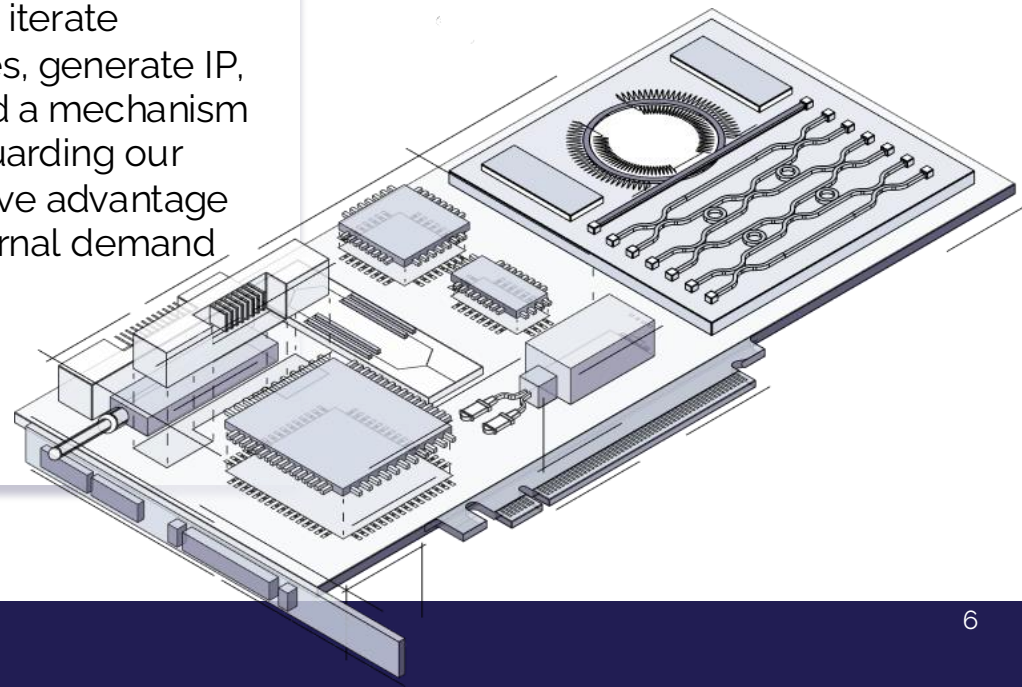
- Enable efficient and practical information processing overcoming inherent limitations of electronics
- Key essential ingredient for scalable quantum computing at room temperature
- Efficient and fast AI/ML architectures using hybrid digital-photonic neural networks
- Proprietary technology: quantum Zeno gates and open system QIS

HD Time Freq. QIS

- Essential for building scalable systems and extending information capacity beyond geometric constraints that plague most of our competitors
- Robust and stable device for plug-n-play deployment
- Significantly enhances range, accuracy, and sensitivity in remote sensing
- Enables high-speed quantum communications and robust quantum cybersecurity solutions

TFLN PICs

- Ideal material to for hosting quantum photonics: transparent, CMOS compatible, manufacturable, highly nonlinear, efficient EO, and low noise
- Our own TFLN fab allows to quickly iterate prototypes, generate IP, and afford a mechanism for safeguarding our competitive advantage
- High external demand



QCi's Product Portfolio: 2022-2032

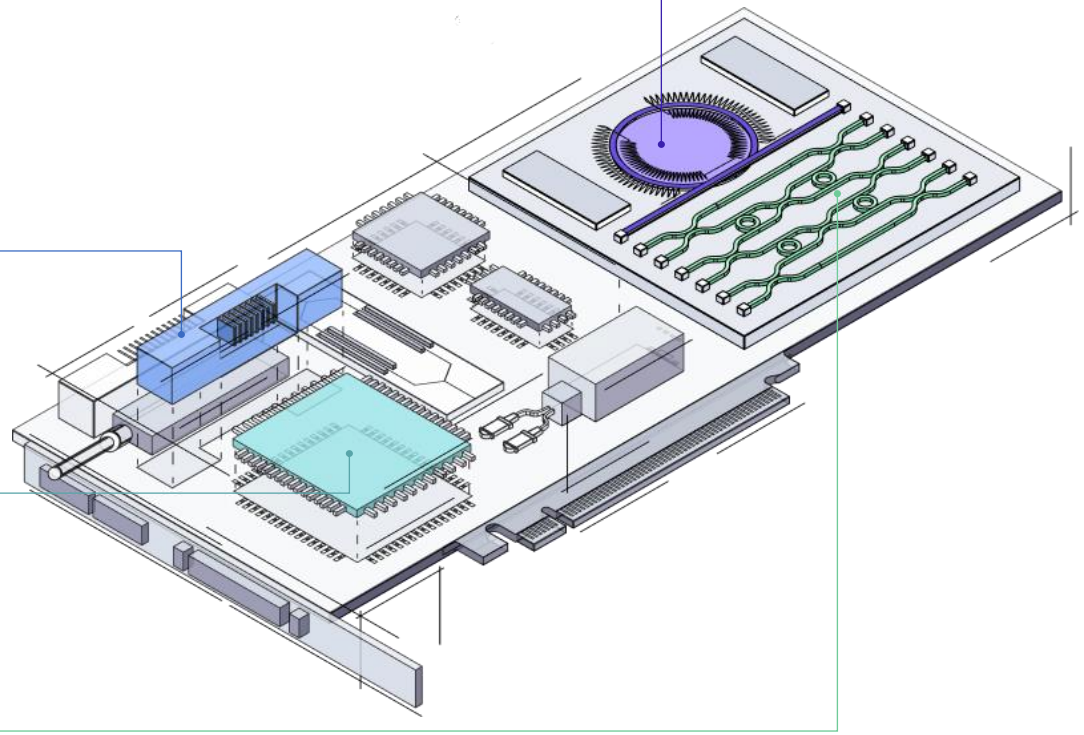
(4 unique verticals emerge from a common platform technology)

Quantum Intelligent Sensing Module (QiSM)
- Quantum sensing + data processing onboard
- Single photon lidar & vibrometer, quantum enhanced spectroscopy, entanglement enhanced/noise resilient sensing
- Offers energy efficiency, precision, and robustness

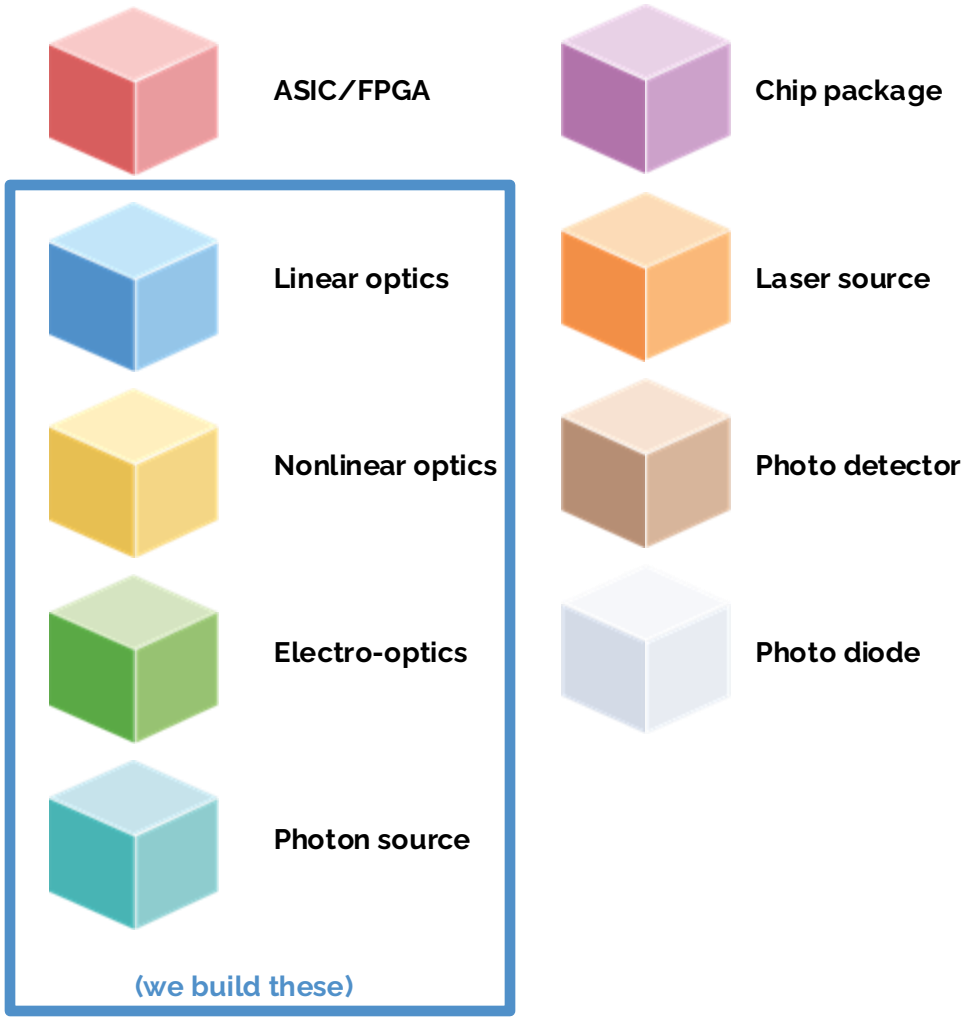
Quantum Cyber Module (QCM)
- Quantum authentication & encryption, quantum PUF & quantum random number generation
- One module, rapidly reconfigurable for multiple utilities
- Offers unconditional security at chip scale and low cost (go into cell phones)

Quantum Processing Unit (QPU)
- NP-hard problem solver for optimization, simulation & differential equations
- Quantum open systems, gate based
- Offers speed, capacity, and energy efficiency in computing

Photonic Intelligent Unit (PIU)
- Intense computation offload (nonlinear kernel, extreme parallelism, spiking NN); direct optical signal processing
- Reconfigurable, analogy, hybrid, superior to GPU and DSP
- Offers speed, capacity, & energy efficiency in AI



Same building blocks, Different products



Quantum Processing Unit (QPU)

Future Product Portfolio

01

Quantum Processing Unit (QPU)

- NP-hard problem solver for optimization, simulation, and differential equations
- Gate based quantum open systems
- Offers speed, capacity, and energy efficiency in computing

02

Photonic Intelligent Unit (PIU)

- Intense computation offload (nonlinear kernel, extreme parallelism, spiking NN)
- Direct optical signal processing
- Reconfigurable, analogy, hybrid, superior to GPU and DSP
- Offers speed, capacity, and energy efficiency in AI

03

Quantum Intelligent Sensing (QiSM)

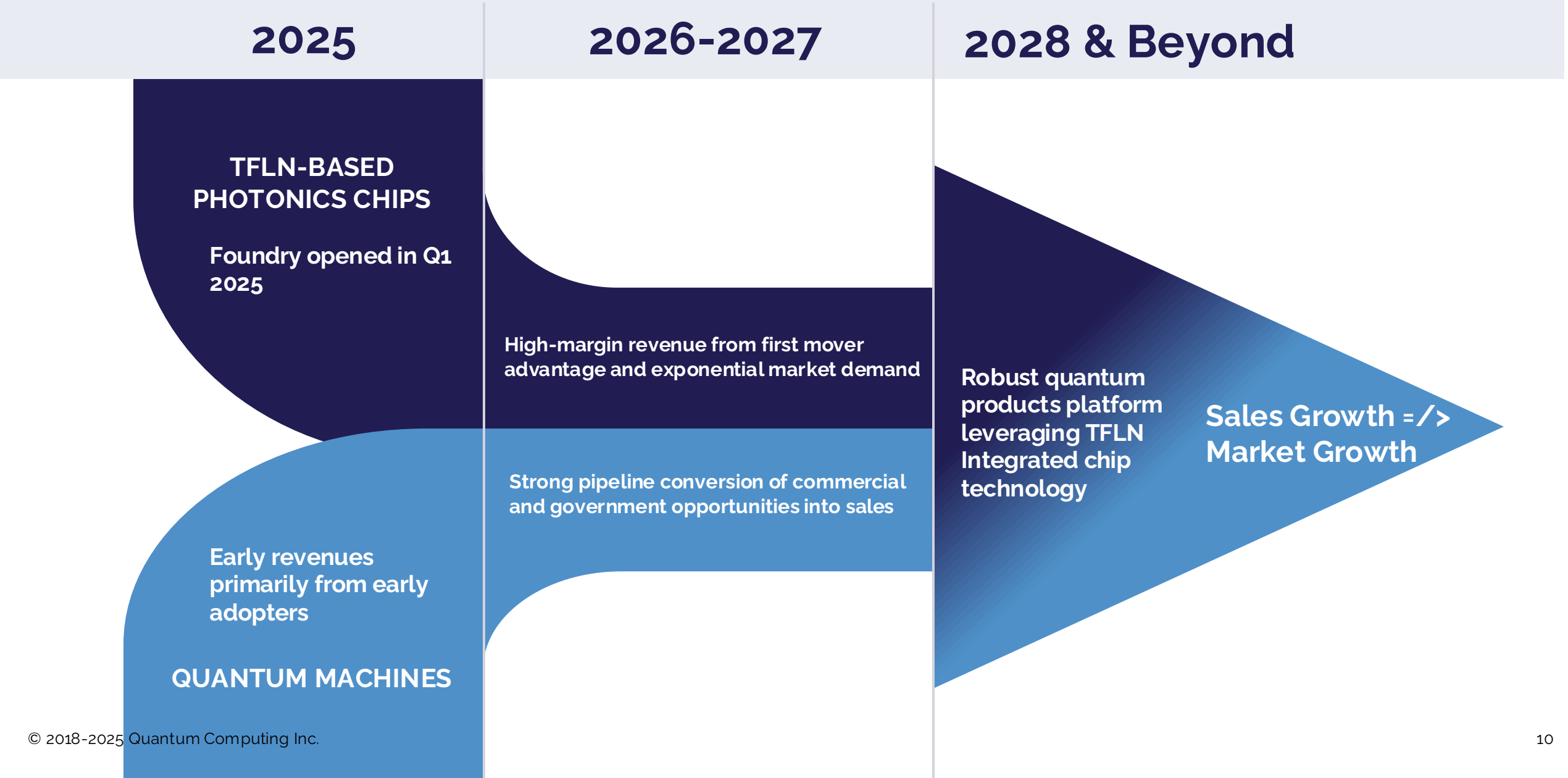
- Quantum sensing + data processing onboard
- Single photon lidar & vibrometer, quantum enhanced spectroscopy, entanglement enhanced/noise resilient sensing
- Offers energy efficiency, precision and robustness

04

Quantum Cyber Module (QCM)

- Quantum authentication & encryption, quantum PUF, and quantum random number generation
- One module, rapidly reconfigurable for multiple utilities
- Offers unconditional security at chip scale and low cost
- Can go into cell phones

Our Growth Roadmap



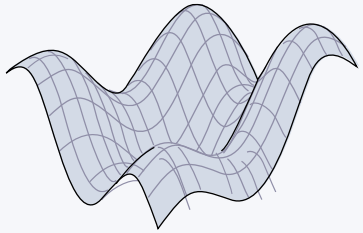
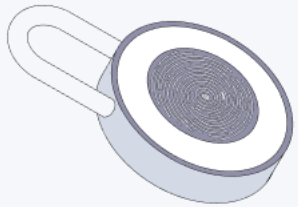
How We Get There

- **Proactively evolve our go-to-market strategy** for our quantum products
- **Successfully transition pipeline** of commercial and government opportunities into sales
- **Expand distribution** by adding sector/industry vertical specific technology partners with robust sales networks globally
- **Maintain momentum** in the rollout of quantum computing, networking and sensing machines for commercial and government clients
- Continued emphasis on **innovation and investment** to meet evolving market needs and maintain leadership position

QCi MACHINES

Core technology

We use nonlinear optical properties to count single photons in our machines

Domains		Applications
High Performance Computing		**Quantum optimization** **Photonic machine learning**
Remote Sensing and Imaging		**Quantum photonic LiDAR**
Quantum Cybersecurity		**Quantum encryption + authentication** **Quantum random number generation**

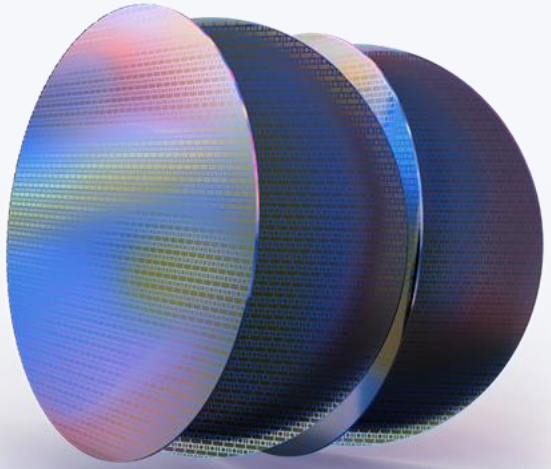
QCi FOUNDRY

Core technology

We leverage the nonlinear optical properties through TFLN in our nanophotonic systems

What we make

Thin film lithium niobate (TFLN) chips for photonic interconnects, optical information processing, and quantum devices.



*A novel material that we believe will become **"the silicon of the future"***

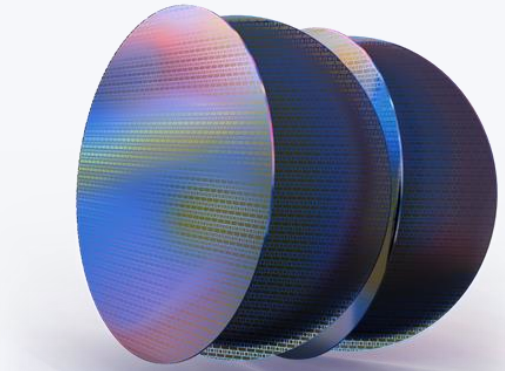
How we put it to work

- **Foundry services**
- **Low loss TFLN photonic integrated circuits**
- **Passive devices (Microring filters, buffers, etc.)**
- **Linear devices (EOMs, switches, Interferometer)**
- **Non-linear devices (PPLN waveguides and microrings)**

Our long-term strategy

QCi's Foundry will first generate the photonic components used in our quantum machines, then miniaturize them to be available at a PCIe card scale

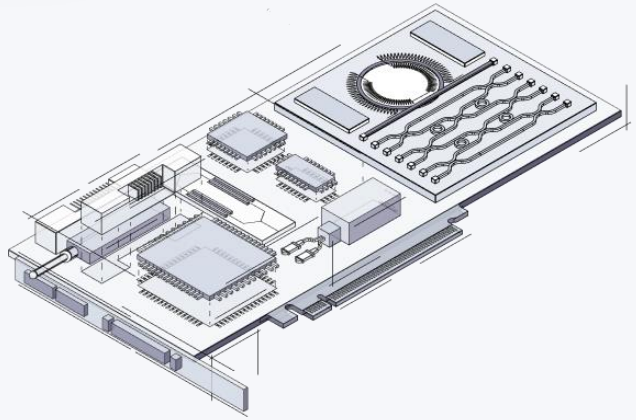
QCi FOUNDRY



QCi MACHINES

Miniaturization

Photonic circuits integrated into PCIe card



Our *long term vision* is to fully integrate our two primary efforts

Strategic milestones

Quantum optimization

- Analogue photonic quantum computing
- Custom component research
- All optical interaction analog quantum computing
- First photon interaction logic gate hardware
- Universal gate-based photonic quantum computing

TFLN foundry

- Foundry begins production
- Foundry pilot launch
- Process development kit (PDK) designed and unveiled
- Custom orders begin
- Multi-project wafer run offering begins
- Foundry offers quantum PDK
- System level integration of scalable quantum components

Manufacturer platform for quantum computing

QCi Foundry and **QCi Machines** will work together to create things that would otherwise be impossible.

R&D efforts

Reservoir computing

- FPGA based reservoir device
- All optical reservoir device for edge computing
- Quantum reservoir device

Remote sensing

- LiDAR R&D with partners
- Development of diverse sensing modality for single photon based LiDAR
- Single photon based LiDAR for machine vision
- Product miniaturization and integration

Cybersecurity

- Proof of concept for quantum authentication
- Quantum authentication integrated with QKD
- Multi-node quantum internet

yesterday today tomorrow the future

Investment Highlights and Differentiators

Only pure-play nonlinear quantum optics and integrated photonics public company

Well-positioned to capitalize on **early-mover advantage** in an emerging, rapidly growing photonics market

Sustainable roadmap and growth model with two complementary revenue streams

Best-in-class use cases in energy, automotive, and financial portfolio optimization

Strong balance sheet with $349M in cash to 6/30/2025 to support growth

Innovative technology **addressing the energy consumption challenges of AI**

Our Partners

We are proud to work with a growing number of government agencies, scientific institutions and industry leaders as we advance our hardware solutions from conception to deployment

Partner Spotlight

NASA + QCi

QCi Awarded 7 Grants From NASA

QCi continues to support NASA's goal of lowering the cost of spaceborne missions and to obtain more precise data to better understand the effects of global warming

1. LIDAR SNOW DEPTH EVALUATION
2. SOLAR BACKGROUND NOISE REDUCTION
3. ACCURATE MEASUREMENT OF AIR PARTICULATES
4. SOLAR NOISE REMOVAL FROM SPECTRAL MAPPING IN LOWER EARTH ORBIT
5. COST-EFFICIENT QUANTUM ENHANCEMENT OF ATMOSPHERIC LIDAR IMAGING
6. QUANTUM-ENABLED PHASE UNWRAPPING OF INTERFEROMETRIC RADAR DATA USING DIRAC-3
7. SOLAR NOISE REDUCTION IN SPACEBORNE LIDAR DATA USING DIRAC-3

Solving Real World Problems with One Quantum Solution

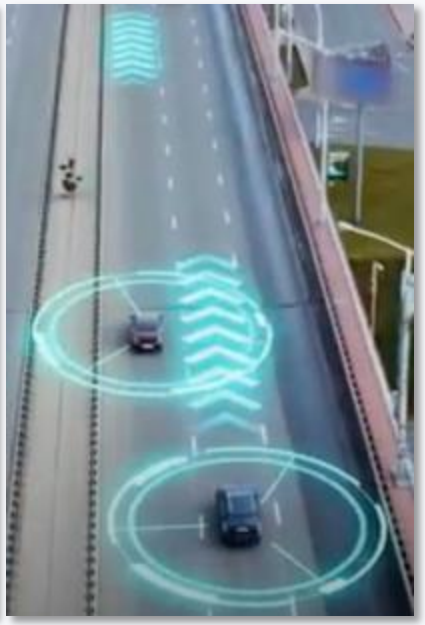
Our technology and products show promise for applications
across multiple verticals and cross-cutting domains

Healthcare

Financial Services

Supply Chain

Energy Management



Autonomous Vehicle

Molecular Modeling

Statement of Operations

	Three months ended June 30,	
	2025	2024
	(Unaudited)	
Total revenue	$ 61	$ 183
Cost of revenue	35	125
Gross profit	26	58
Operating expenses		
Research and development	5,975	2,094
Sales and marketing	680	429
General and administrative	3,542	2,802
Total operating expenses	10,197	5,325
Loss from operations	(10,171)	(5,267)
Non-operating income (expense)		
Interest and other income	1,843	73
Interest Expense	(58)	-
Change in fair value of derivative liability	(28,096)	-
Loss before income tax provision	(36,482)	(5,194)
Income tax provision	-	-
Net loss attributable to common stockholders	$ (36,482)	$ (5,194)
Loss per share		
Basic	$ (0.26)	$ (0.06)
Diluted	$ (0.26)	$ (0.06)

Balance Sheet

	June 30, 2025 (Unaudited)	December 31, 2024 (Audited)
Assets		
Current assets		
Cash and cash equivalents	$ 348,758	$ 78,945
Accounts receivable	96	27
Inventory	366	18
Prepaid expenses and other current assets	1,005	161
Total current assets	350,225	79,151
Property and equipment, net	10,569	8,212
Operating lease right-of-use assets	2,076	1,522
Intangible assets, net	7,510	8,972
Goodwill	55,573	55,573
Other non-current assets	131	129
Total assets	$ 426,084	$ 153,559
Liabilities and Stockholders' Equity		
Current liabilities		
Accounts payable	$ 1,372	$ 1,372
Accrued expenses	1,251	2,134
Deferred revenue	181	79
Other current liabilities	1,168	974
Total current liabilities	3,972	4,559
Derivative liability	24,594	40,532
Operating lease liabilities	1,536	1,181
Total liabilities	30,102	46,272
Stockholders' equity		
Common stock	16	13
Additional paid-in capital	615,948	307,756
Accumulated deficit	(219,982)	(200,482)
Total stockholders' equity	395,982	107,287
Total liabilities and stockholders' equity	$ 426,084	$ 153,559

Our flagship product offerings

Foundry services

Quantum optimization

Our R&D offerings

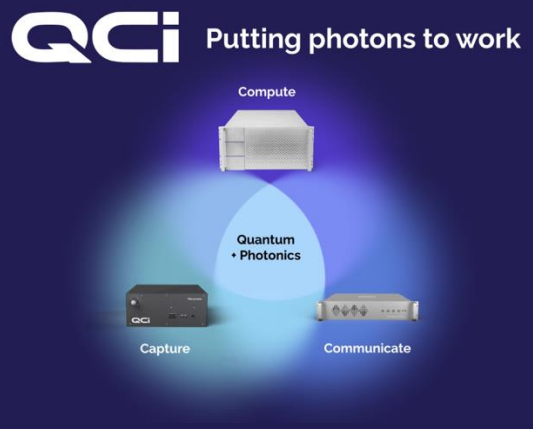
Reservoir computing

Sensing and imaging

Cybersecurity

uQRNG

Core Technology Platforms



High Performance Computing

- Quantum Optimization Machines for Binary and Integer Optimization
- Reservoir Computers for Directed AI
- Server compatible Room Temperature Operation
- Ultra Low Power
- Comprehensive roadmap to scalability

Sensing and Imaging

- Single and Few Photon Sensing and Imaging Capability
- Proprietary Methods to extract phase information from light using temporal gating and quantum mode projection
- Variety of civilian and defense applications

Secure Communications

- Quantum Authentication Hardware
- Quantum Random Number Generation Hardware
- Discrete Components for the Quantum Internet

QCi DIRAC-3

Entropy Quantum Computer

- The world's most powerful quantum analog machine
- Revolutionary and patented approach using entropy and the quantum vacuum
- The first and only system to natively solve integer problems using high-dimensional quantum digits (qudits), each qudit having a dimension of 200 discrete modes

Rack mounted & air cooled

On-premises installation or web-based access

Power < 80W

$300k/unit

DIRAC-3 Growing Use Case Library Driving Interest

Industry/Market	Challenge	Use Case Evaluation	Application Demo	PoC Engagement
INTELLIGENCE	IRS Drone Routing			
ENERGY	Power Grid Optimization			
DEFENSE	Remote Sensing Landmine Detection			
AUTOMOTIVE	Sensor Design Optimization			
MANUFACTURING	Supply Chain Optimization			
FINANCE	Investment Portfolio Optimization			
INSURANCE	IT Operations Optimization			
INSURANCE	TV Ad Spend Alloc. Optimization			
BANKING	Fraud Transaction Detection			
GOVERNMENT	Drone Flight Risk Optimization			
ENERGY	Wind Farm Design Optimization			

QCi Reservoir Computer

Edge Computing

- The world's first-to-market reservoir computing hardware device for "compute at the edge" efficiency
- Superior performance and speed using minimal training data and maximum energy efficiency
- Enabling transversal technologies, such as clean energy, mobility, advanced connectivity, applied AI, space technologies, and more…

Accelerates machine learning & AI

Seamless Interface with a host ethernet machine

Consumes 80-95% less power than cloud-based reservoirs

Accessible Low cost and small size for small businesses

QCi Remote Sensing Platform

Focusing on LiDAR-Based Applications

- Innovative and cost-effective solution for various remote sensing applications over challenging operational environments, including long distance, low visibility, and interfering backgrounds
- Variety of civilian and defense applications

Unparalleled detection accuracy at the single photon level

Unmatched speed in data collection and processing

High-resolution observations

Improved non-destructive evaluation testing

QCi Secure Communications Platform

Focusing on Cybersecurity & Quantum Authentication

- Integrated quantum photonics for secure communications, featuring entangled photon sources, uQRNG, and frequency converters.
- Enables QKD, quantum networking, and secure time sync across civilian and defense applications.

Unparalleled detection accuracy at the single photon level

Unmatched speed in data collection and processing

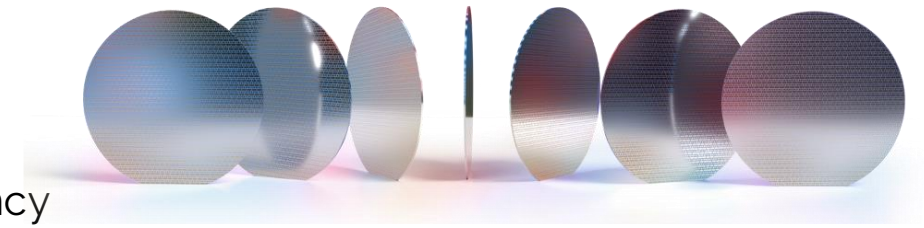
High-resolution observations

Improved non-destructive evaluation testing

QCi Thin-Film Lithium Niobate Foundry

Built on TFLN. Designed for Impact.

- State-of-theoart thin-film lithium niobate (TFLN) foundry – the only dedicated quantum-capable TFLN fabrication facility in the United States and Europe
- Provides unmatched control over design, scale and energy efficiency



Vertically integrated to design, fabricate and test PICs

Scalable – enables high-volume photonic chip production

Efficient – low loss, high speed, low Vpi

Product-ready – supports linear/nonlinear apps in comms, sensing, and quantum security.

QCi's Early Mover Advantage in TFLN

First US-Based TFLN Foundry Opened in Q1 2025

The fab enables components and integrated circuits for **electro-optic modulators, frequency converters & photonic integrated circuits (PIC)**

Unmatched Capabilities

QCi is the only US company capable of processing 150mm wafers; This **unique capability positions QCi to meet growing demand across datacom, telecom, AI, sensing, and quantum markets.**

Barriers to Entry: Opportunity to Grab Market Share

The supply chain constraint is prohibitive for large-scale semiconductor companies (IBM, Samsung, Intel); QCi is in a **"Goldilocks" position to capture and grow significant market share**

Multiple Pre-Orders Received

QCi has received multiple pre-orders for chip services, including a **contract from the U.S. Department of Commerce's National Institute of Standards and Technology**

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