



Investor Presentation

August 2026

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.

PUT **QUANTUM** INTO THE HANDS OF A



— PEOPLE —

- 1. Lead the next technology revolution** with innovative quantum tech, nonlinear nanophotonics, and heterogeneous chip integration.
- 2. Mass produce high ROI quantum, nanophotonics, and semiconductor hardware** to redefine the real-world applications in sensing, computing, sustainable AI, and secure communications.

QCi is a leading nonlinear quantum optics and integrated photonics public company and among the first to **introduce nonlinear nanophotonics products to market**

Global Photonic Integrated Circuit (PIC) Market¹

\$86.44B

Expected Market Size in 2034

20.8%

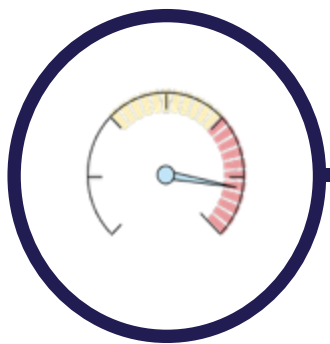
Expected CAGR 2026- 2034

\$17.36B

Market Size in 2025

1. Fortune Business Insights, March 2026

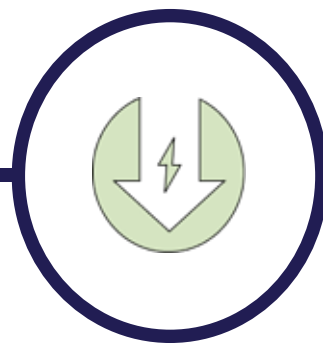
As the demand for faster and more efficient data processing grows,
photronics will be a critical component of future technological advancements



High-bandwidth &
fast processing



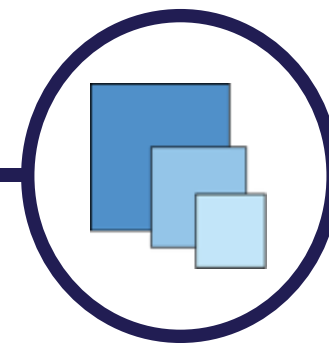
Data over
distances



Low energy
consumption



Precision &
sensing



Miniaturization
& scalability

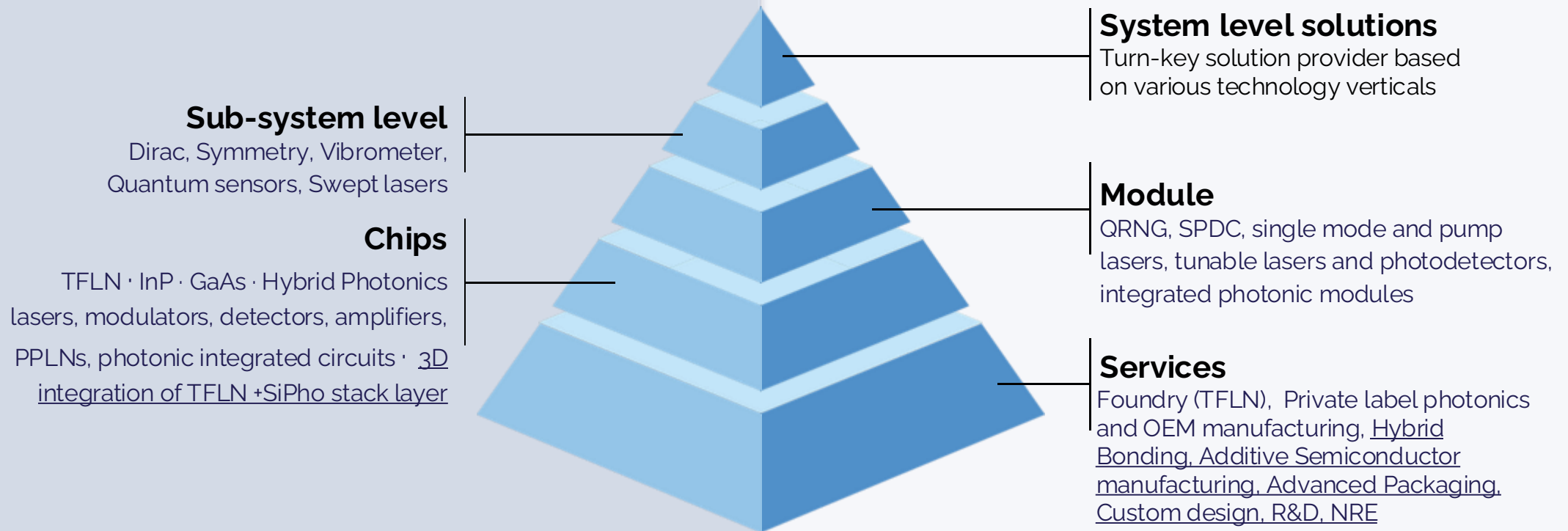
All At Room Temperature

Photonics enables the mass production of quantum hardware by adapting
standard semiconductor foundry processes

Our Identity

- Size, Weight, Power, and Cost (SWaP-C)
- Multi-material photonics platforms (TFLN + III-V)
- In-house thin-film lithium niobate foundry, 3D integration of TFLN + SiPho + III-V (and more)
- Positioned for adoption across defense, telecom, sensing, finance, and AI

We are leaders in integrated quantum systems, photonics, and advanced packaging



Recent milestones and operational focus

\$1.64B

Raised Since Nov. 2024

Significant capital commitments from institutional investors underscore confidence in QCi's technology roadmap, manufacturing strategy, and long-term growth vision

- Deepening **commercial and government relationships**
- **Acquired NHanced Semiconductors**, launching Fab 2 and accelerating our path to scalable, high-volume manufacturing
- **Acquired Luminar Semiconductor**, representing a significant milestone in our strategy to build a vertically integrated, product-driven photonics and quantum technology platform
- **Acquired NuCrypt**, helping to establish quantum communications as an important commercialization vertical within our broader quantum technology strategy
- Announced that NeuraWave, our recently debuted **next-generation photonic reservoir computing platform, is now deployment-ready**
- **Placed a Dirac-3 quantum optimization machine on Quantum Corridor's network**, a multi-state quantum-safe commercial communication network in North America, **as well as at a leading global consulting firm** for use with its enterprise customers
- Investing in **top talent across engineering, research and production** to support growth and execution

Enhanced Semiconductors Acquisition

- **Strategic acquisition launches Fab 2** to accelerate key roadmap initiatives and expand manufacturing capabilities
- **U.S.-based advanced packaging foundry** specializing in integration, hybrid bonding, chiplet architectures, silicon interposers and photonics device integration
- **Expertise in advanced semiconductor packaging and manufacturing** complements QCi's photonic and quantum portfolio
- **Highly experienced team of engineers and scientists** strengthens QCi's talent depth and execution capacity

Acquired Capabilities Across Five Subsidiaries

Freedom Photonics

Location

Santa Barbara, CA

Facility

- >21,000 sq. ft. internal leading-edge R&D and manufacturing facility
- ISO9001 Certified

Capabilities

- Provides unique photonic components, modules and subsystems
- Recognized for world-class semiconductor laser technology
- ~25 patents issued/pending

EM4

Location

Bedford, MA

Facility

- 19,332 sq. ft facility, ISO 9001:2015 certified
- Class 10,000 certified humidity-controlled clean room area with ESD-compliant practices

Capabilities

- A complete photonic and fiber-optic module and subsystem design & manufacturing solutions provider
- Major supplier to the US ITAR programs and European Defense/ Space markets

Optogration

Location

Boston, MA and Princeton, NJ

Facility

- Wafer fab in Boston
- Design, assembly, testing, and low-volume component production in Princeton

Capabilities

- High-performance SWIR photodetector technology
- Broad InP detector and integration technology
- Strong focus on avalanche photodiodes (APDs)
- Robust existing business in detector bare die

NuCrypt

Location

Park Ridge, IL

Facility

- R&D and engineering site focused on photonics and quantum communications
- Supports prototyping, integration, and customer-facing development

Capabilities

- Quantum optical systems
- Advanced photonic/laser technologies for lab and OEM applications
- Secure communications
- Integrated system design across optics, electronics, and quantum tech

NHanced

Location

Batavia, IL; Morrisville, NC; and Odon, IN

Facility

- Batavia ~12,000 sq. ft.
- R&D Engineering
- Morrisville ~45,000 sq. ft.
- Development fab
- Pilot/LV manufacturing
- ISO9001 Certified
- Odon ~25,000 sq. ft.
- 200mm HVM fab

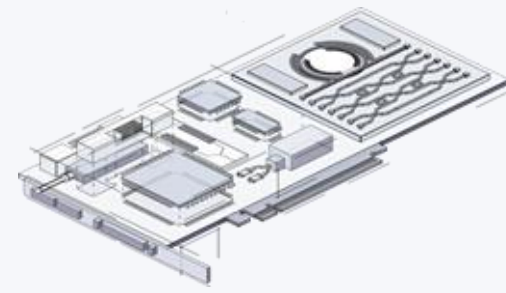
Capabilities

- Provides advanced packaging (AP) services
- Recognized world-wide for AP capabilities
- Only commercial provider worldwide of exotic material hybrid bonding services

Acquired Feb 2026

Acquired March 2026

Acquired June 2026



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: single-photon nonlinearity; 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 communication & 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
- 3D integration with Silicon Photonic for utility of TFLN Integrated Photonics for Quantum and beyond

Pioneering photonics

- Decades of tech innovation in laser and detection
- Industry leading engineering and manufacturing optical packaging and testing
- Pioneer in quantum communication commercialization

Foundry 2.0

- Our Foundry 2.0 business model begins with wafers, dies, and chiplets sourced from traditional high-volume semiconductor foundries.
- These sourced building blocks are then enhanced, modified, and integrated using semiconductor fab processes at wafer scale for volume manufacturing.

2025

Core differentiators

2026

Added via LSI and NuCrypt acquisition

Present

Added via NHanced acquisition

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**



Dirac-3
Entropy quantum computer

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**



Remote Sensing Platform
LiDAR-based applications

Secure Communications

- **Quantum authentication hardware**
- **Quantum random number generation hardware**
- Discrete components for the quantum internet



Quantum Secure Solution
Cybersecurity and authentication

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**



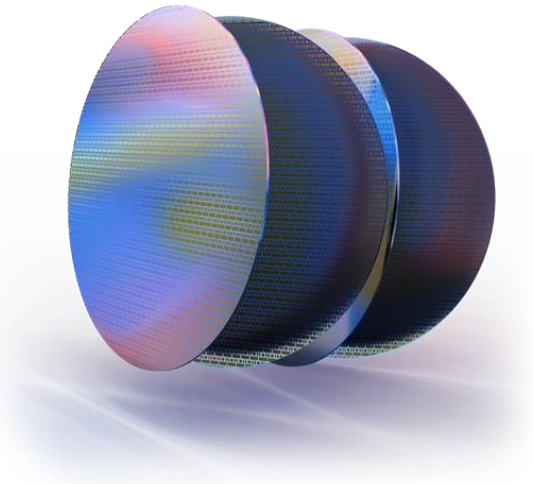
**Molecular
Modeling**



Defense

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”***

APPLICATIONS

Foundry services

Low loss TFLN photonic integrated circuits

Passive devices
(Microring filters, buffers, etc.)

Linear devices
(EOMs, switches, Interferometer)

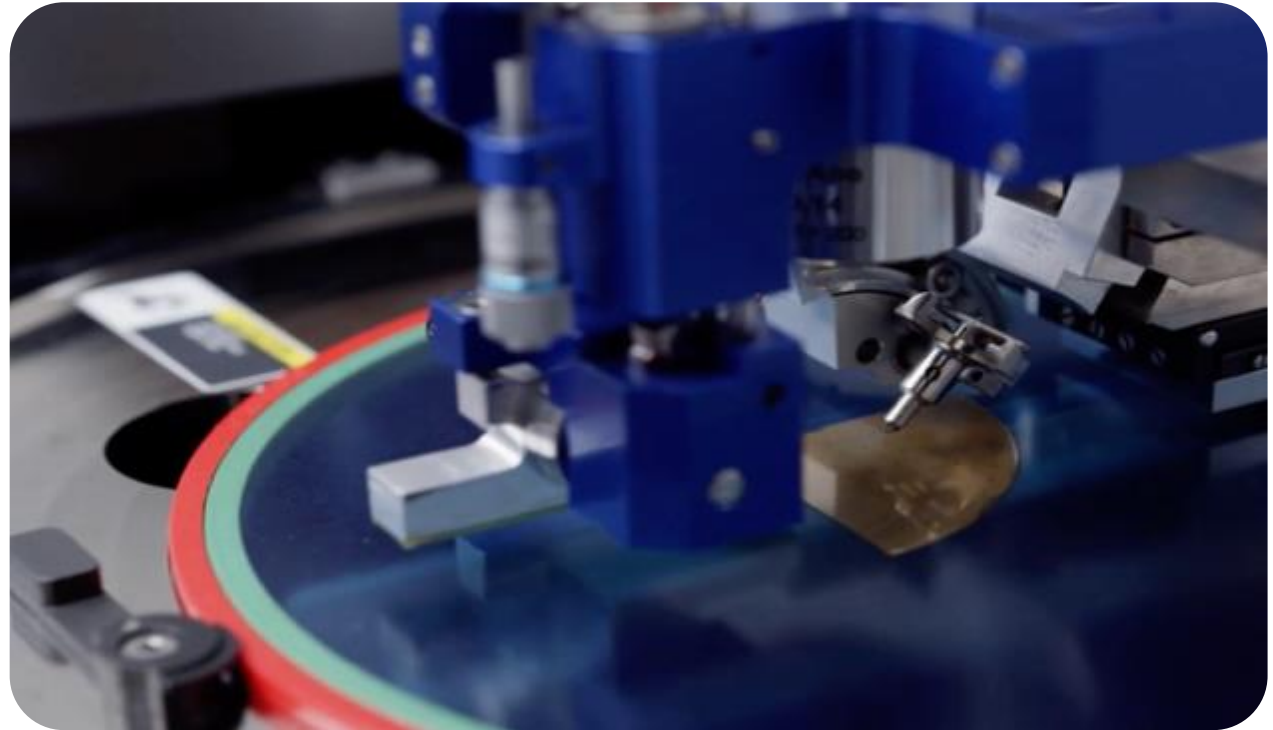
Non-linear devices
(PPLN waveguides and microrings)

Foundry Services

QCi Foundry is a dedicated TFLN foundry aimed at offering design, prototyping, and packaging services to those who have outgrown a lab-fab but are not yet manufacturing at large scale.

Capabilities:

- Full suite of nanofabrication and inspection tools
- Multiphysics simulation
- In-house design services
- Dicing and prototype packaging



Early mover advantage in TFLN

First U.S.-Based TFLN Foundry, Opened in Q1 2025

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

Unmatched Capabilities

The only U.S. company capable of making nonlinear optical circuits on chip; This **unique capability positions QCi to meet the growing demand across AI, sensing, and quantum markets**

Quick Iteration: Essential to win the race of scalable manufacturing

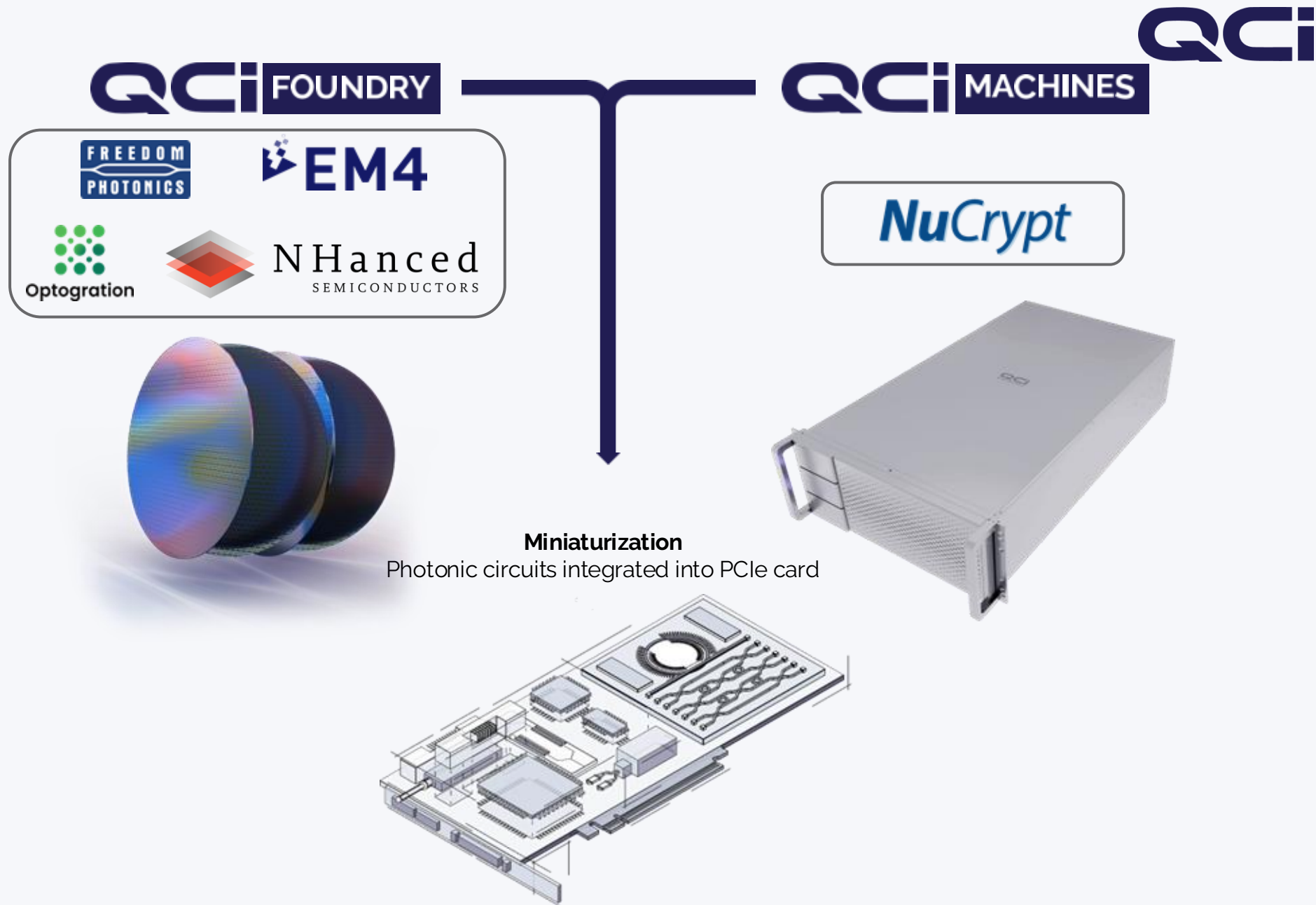
In-house expertise and manufacturing allows QCi to significantly accelerate the tech R&D and manufacturing engineering circles; QCi is in a **"Goldilocks" position to capture and grow significant market share**

Launched Fab 2 with strategic acquisition of NHanced Semiconductors

Provides the foundation for scalable, higher volume chip-manufacturing of QCi's quantum and photonics technologies

Long-term vision

- Co-designed quantum-digital-analog integrated circuits for volume production
- In-house nanophotonic chip manufacturing and optical subassembly
- OEM of quantum machines and subsystems
- Tier 1 manufacturer of quantum chips



Technology Innovation → Volume Production

Vision 2032: Integrating Photonic Chips into Multiple Products



Quantum Intelligent Sensing Module (QiSM)

- Quantum sensing + data processing onboard
- Single photon lidar & vibrometer, quantum enhanced spectroscopy, entanglement enhanced/noise resilient sensing

Quantum Cyber Module (QCM)

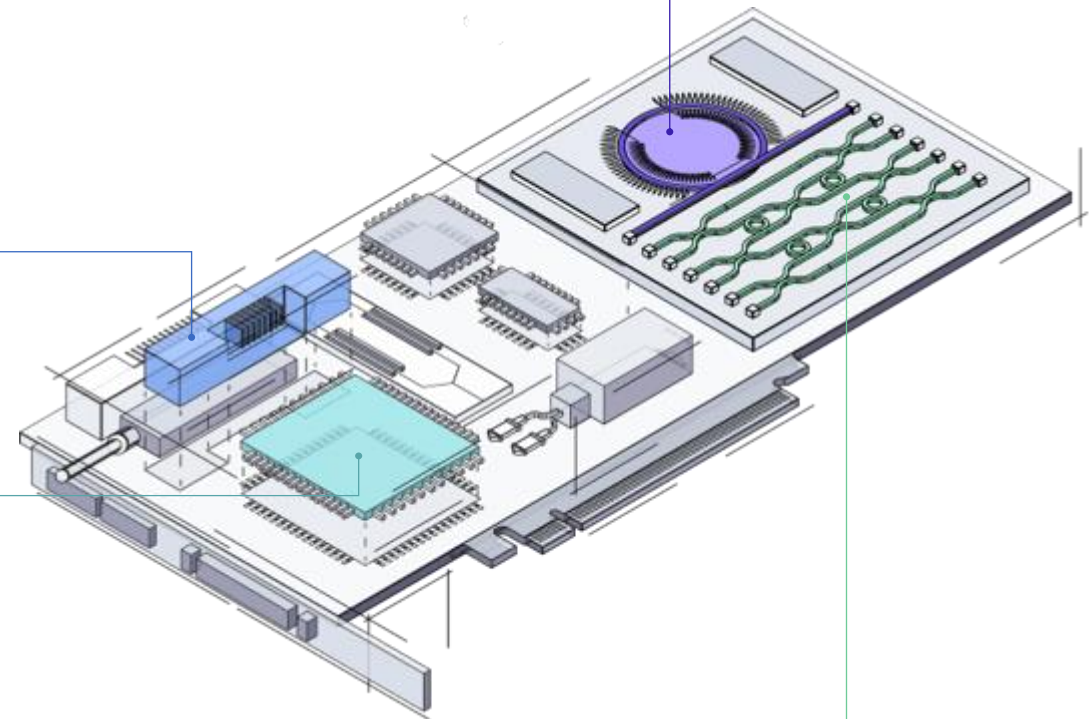
- Quantum authentication & encryption, quantum PUF & quantum random number generation
- One module, rapidly reconfigurable for multiple utilities

Quantum Processing Unit (QPU)

- NP-hard problem solver for optimization, simulation & differential equations
- Quantum open systems, gate based

Photonic Intelligent Unit (PIU)

- Intense computation offload (nonlinear kernel, extreme parallelism, spiking NN); direct optical signal processing
- Reconfigurable, analog, hybrid, superior to GPU and DSP



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

The Accenture logo, featuring the word "accenture" in a lowercase, sans-serif font with a stylized greater-than sign (>) above the 't'.The Los Alamos National Laboratory logo, consisting of a circular icon with a stylized atom or network structure to the left of the text "Los Alamos" and "NATIONAL LABORATORY" below it.The Quantum Corridor logo, featuring a stylized molecular or network structure above the text "QUANTUM CORRIDOR" in a sans-serif font.The Purdue University logo, with the word "PURDUE" in a large, serif font above the word "UNIVERSITY" in a smaller, serif font.The Stevens Institute of Technology logo, featuring a stylized building icon above the text "STEVENS" and "INSTITUTE OF TECHNOLOGY" below it.The NASA logo, featuring the word "NASA" in a bold, sans-serif font.The Objectivity logo, featuring a stylized icon of three connected dots above the word "Objectivity" and "Part of Accenture" below it.The Johns Hopkins University logo, featuring a shield-shaped crest above the text "JOHNS HOPKINS" and "UNIVERSITY" below it.The ZebraKet logo, featuring a stylized zebra head icon above the text "ZebraKet" in a sans-serif font.The SMU logo, featuring a stylized icon of a person or network structure above the text "SMU" in a sans-serif font.

Memorial Sloan Kettering
Cancer Center

The University of Maryland Medical System logo, featuring a stylized building icon above the text "UNIVERSITY of MARYLAND" and "MEDICAL SYSTEM" below it.The EY logo, featuring the letters "EY" in a bold, sans-serif font with a stylized diagonal line above the "Y".The VIPPC logo, with the text "VIPPC" in a large, bold, sans-serif font followed by "VIRGINIA INNOVATION PARTNERSHIP CORPORATION" in a smaller, sans-serif font.The Artificial Brain logo, featuring the text "ARTIFICIAL BRAIN" in a bold, sans-serif font.

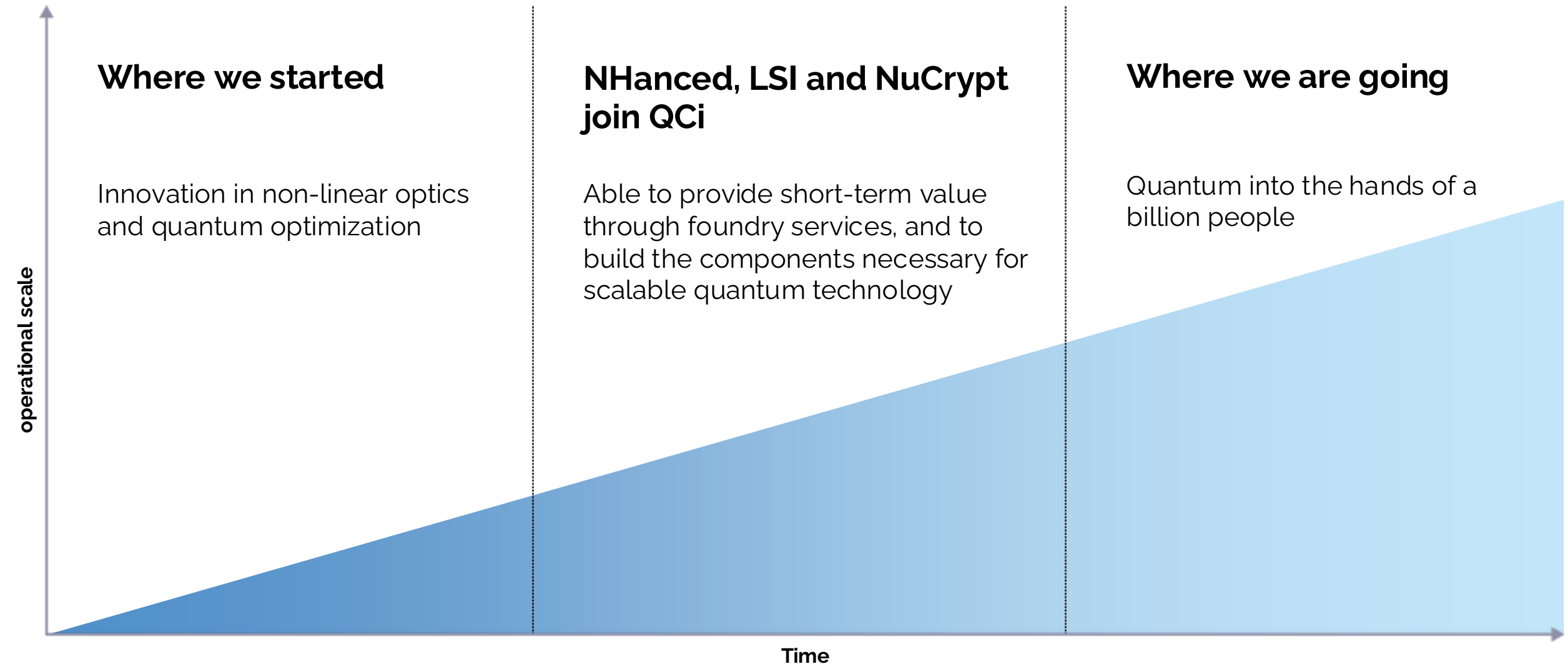
NASA

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.

Engagement: Awarded 7 Grants

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

From innovation to scale

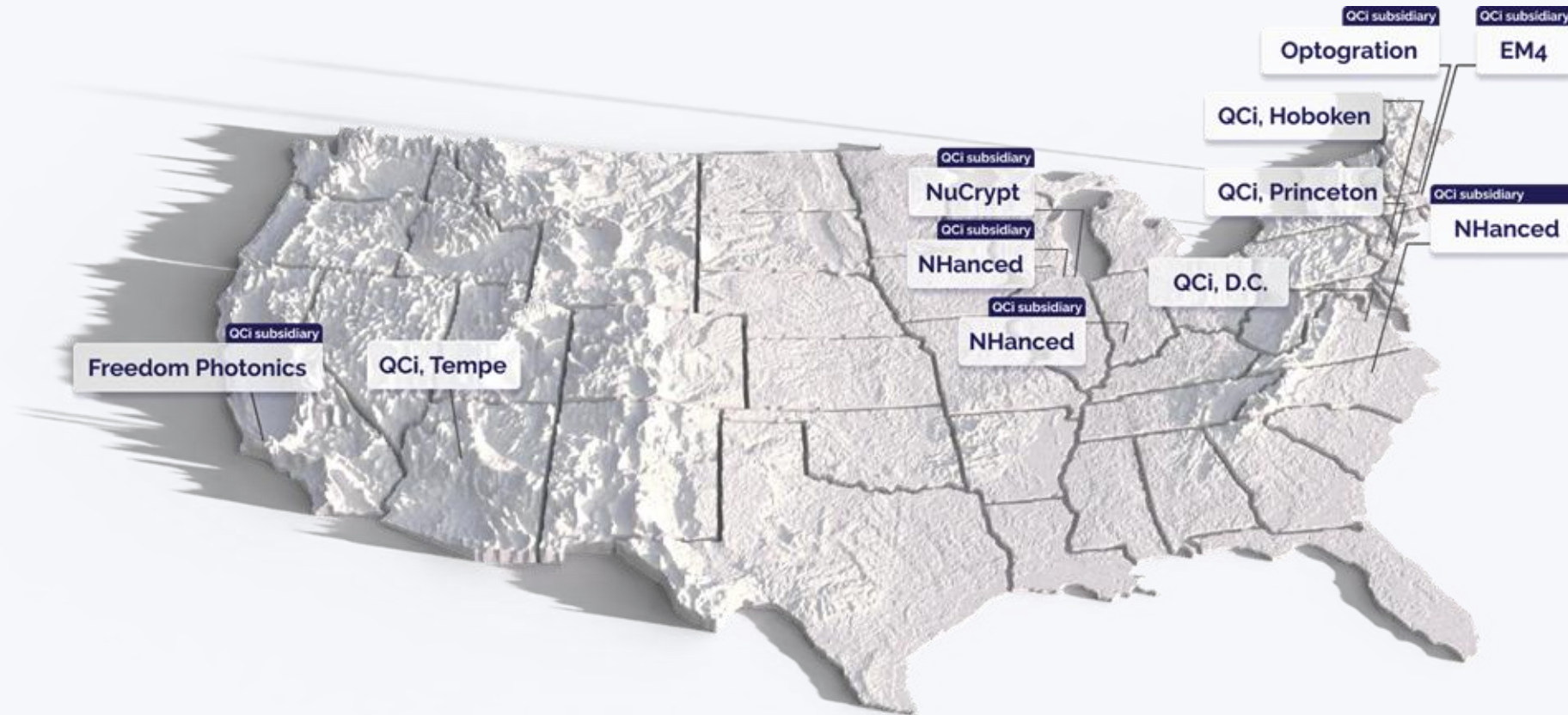


Next steps

- **Scale our team** to accelerate execution
- Advance **R&D for miniaturization**, energy efficiency, and next-generation integrated photonics
- Continue expanding **Dirac-3 cloud availability** to support researchers, developers, and enterprise users
- **Convert a growing pipeline** of commercial and government engagements into recurring revenue
- **Strengthen fabrication capabilities** by refining Fab 1 operations and integrating recently acquired Fab 2 subsidiary
- Deploy capital to drive both **organic growth** and targeted **inorganic opportunities (M&A)** that enhance our roadmap

Our team

QCi has 300+ employees across 11 different sites in 8 states.



Hoboken, NJ

- Hardware Design
- R&D
- Testing

McLean, VA

- Finance
- Legal
- HR

Tempe, AZ

- TFLN Foundry
- PIC Manufacturing
- Packaging and Assembly

Princeton, NJ

- Design
- Assembly
- Testing
- Production

QCi Subsidiaries

EM4 LLC

Bedford, MA

Freedom Photonics

Santa Barbara, CA

Optogration

Wilmington, MA

NuCrypt

Park Ridge, IL

NHanced Semiconductors, Inc.

Batavia, IL
Morrisville, NC
Odon, IN

Yuping Huang, PhD Chief Executive Officer



Yuping is the Chairman and CEO of QCi, as well as the founding director of the Center for Quantum Science and Engineering and a physics professor at Stevens Institute of Technology.

With over 20 years of pioneering work in quantum physics and ~\$30M in funded research, he has led major programs across DARPA, NSF, NASA, and the Department of Defense.

Prior to QCi, he founded QPhoton to commercialize practical quantum technologies for data, cybersecurity, sensing, and healthcare.

Christopher Roberts Chief Financial Officer



Christopher is QCi's CFO and General Counsel, with nearly four decades of experience across corporate finance, government contracting, and executive leadership in both public and private companies. His career includes CFO roles at organizations later acquired by Lockheed Martin, Kratos, and General Dynamics, as well as earlier legal practice in New York.

He holds a JD from the University of Virginia and both engineering and MBA degrees from MIT, and has published widely on antitrust, IP, and technology policy.

Leadership, cont.

Yong Meng Sua, PhD
Chief Technology Officer



Yong Meng is QCi's Chief Technology Officer and a Research Assistant Professor of Physics at Stevens Institute of Technology. A quantum physicist with expertise in quantum information processing, integrated photonics, and remote sensing, he has authored 90+ peer-reviewed publications and co-authored 8 patents, three of which are licensed for commercialization.

He previously served as Chief Scientific Officer at QPhoton and has led federally and industry-funded research programs with NSF, NASA, Brookhaven National Lab, Cisco, and Ball Aerospace.

Susan Hunt
Chief Revenue Officer



Susan is QCi's Chief Revenue Officer and is an accomplished technology executive with more than 30 years of experience driving revenue growth and commercializing disruptive technologies across enterprise software, artificial intelligence, cloud computing, telecommunications and emerging technology markets. Hunt has consistently united cross-functional teams, developed scalable revenue organizations and successfully brought breakthrough technologies to market, driving sustained commercial growth.

She has held executive leadership positions at Orbital Insight, Nuance Communications, LivePerson, Salesforce and Sprint PCS.

Milan Begliarbekov, PhD
Chief Operating Officer



Milan is QCi's Chief Operating Officer and former Director of the QCi Foundry, where he led the development and commercialization of quantum materials and photonic device technologies. With more than 17 years of experience in nanofabrication and materials science, he previously served as a Research Assistant Professor and Director of the Nanofabrication Facility at CUNY, overseeing one of the region's premier research fabrication centers.

He is also deeply committed to STEM education and outreach, having taught and developed numerous courses throughout his career.

Pouya Dianat, PhD
Chief Product Officer



Pouya is QCi's Chief Product Officer and brings over 18 years of experience in the photonics industry, including more than a decade in commercializing photonic technologies. He previously led photonic integrated circuit and foundry services at OPTICA and held technical and commercial leadership roles at Nanograss Solar, Princeton Infrared Technologies, Optogration/Luminar, and Drexel University.

Pouya holds a PhD in Electrical Engineering from Drexel University and completed a postdoctoral fellowship at Northwestern University.

Investment summary

Only pure-play

nonlinear quantum optics and integrated photonics public company

First nonlinear optics company to introduce products to an **emerging, rapidly growing photonics market**

Strong balance sheet

with ~\$1.4B in cash & investments to support growth

Sustainable roadmap and growth model

with two complementary revenue streams

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

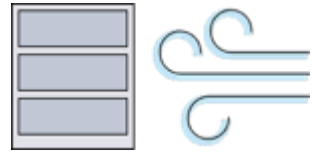
Innovative technology **addressing the energy consumption challenges of AI**

Appendix

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



Practical and easily deployable



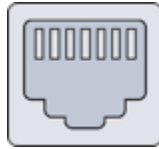
Reservoir Computer

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



Uses 80-95% less power consumption than traditional computers



Accessible low cost and small size for small businesses



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



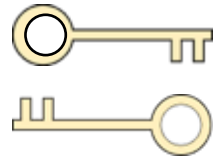
Improved non-destructive evaluation testing



Quantum Secure Network Solution

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.



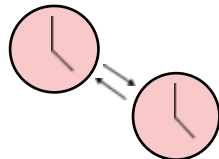
Enables quantum key distribution



Foundation for quantum authentication



Quantum networking



Time synchronization system



Income Statement



	Three Months Ended June 30,		Six Months Ended June 30,	
	2026	2025	2026	2025
Total revenue	\$ 5,551	\$ 61	\$ 9,242	\$ 100
Cost of revenue	6,717	35	11,129	61
Gross (loss) profit	(1,166)	26	(1,887)	39
Operating expenses				
Research and development	8,428	5,975	15,397	8,960
Sales and marketing	1,932	680	3,529	1,352
General and administrative	11,487	3,542	22,750	8,184
Total operating expenses	21,847	10,197	41,676	18,496
Loss from operations	(23,013)	(10,171)	(43,563)	(18,457)
Non-operating income (expense)				
Interest and other income	12,954	1,843	26,449	3,539
Interest expense	(12)	(58)	(183)	(116)
Change in fair value of derivative liability	(1,682)	(28,096)	1,494	(4,466)
Loss before income tax provision	(11,753)	(36,482)	(15,803)	(19,500)
Income tax provision	-	-	-	-
Net loss attributable to common stockholders	(11,753)	(36,482)	(15,803)	(19,500)
Other comprehensive loss	(945)	-	(4,767)	-
Total comprehensive loss	\$ (12,698)	\$ (36,482)	\$ (20,570)	\$ (19,500)
Loss per share:				
Basic	\$ (0.05)	\$ (0.26)	\$ (0.07)	\$ (0.14)
Diluted	\$ (0.05)	\$ (0.26)	\$ (0.07)	\$ (0.14)
Weighted average shares used in computing net loss per common share:				
Basic	224,727	141,401	224,355	138,326
Diluted	224,727	141,401	224,355	138,326

Balance Sheet



	June 30, 2026	December 31, 2025
Assets		
Current assets:		
Cash and cash equivalents	\$ 189,150	\$ 737,880
Accounts receivable, net	6,856	519
Inventory	12,837	352
Short-term investments	765,020	379,421
Accrued interest receivable	7,542	3,634
Prepaid expenses and other current assets	6,906	11,914
Total current assets	988,311	1,133,720
Property and equipment, net	42,898	12,971
Operating lease right-of-use assets	23,146	2,353
Intangible assets, net	29,107	6,500
Goodwill	181,455	55,573
Long-term investments	369,284	403,121
Accrued interest receivable - long term	3,920	4,551
Other non-current assets	1,082	131
Total assets	\$ 1,639,203	\$ 1,618,920
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 4,078	\$ 778
Accrued expenses	6,951	9,135
Deferred revenue	3,774	395
Other current liabilities	3,797	766
Total current liabilities	18,600	11,074
Derivative liability	6,279	7,773
Operating lease liabilities	21,102	1,808
Other non-current liabilities	1,184	-
Total liabilities	47,165	20,655
Commitments and Contingencies (see Note 10)		
Stockholders' equity:		
Preferred stock	-	-
Common stock	23	22
Additional paid-in capital	1,830,836	1,816,494
Accumulated deficit	(234,959)	(219,156)
Accumulated other comprehensive (loss) income	\$ (3,862)	\$ 905
Total stockholders' equity	1,592,038	1,598,265
Total liabilities and stockholders' equity	1,639,203	1,618,920



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