



IonQ Investor Updates

August 2025

Cautionary Notes



This presentation contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Some of the forward-looking statements can be identified by the use of forward-looking terms. Statements that are not historical in nature, including the terms “accelerating,” “access,” “accessible,” “anticipate,” “available,” “believe,” “can,” “capable,” “deliver,” “designed to,” “deployable,” “enabling,” “estimate,” “expect,” “expected,” “future,” “goal,” “growth,” “increased scale,” “intend,” “impact,” “latest,” “leader,” “leading,” “may,” “pending,” “planned,” “scale,” “target,” “will,” “winning,” “potential,” and other similar expressions are intended to identify forward-looking statements. These statements include those related to the company’s expansion in the quantum computing, security, and networking market segments; the company’s technology driving commercial advantage or delivering scalable, fault-tolerant quantum computing in the future; the ability for third parties to implement IonQ’s offerings in their data centers and to reduce their compute costs; the energy efficiency and sustainability of the IonQ’s offerings; the efficacy of new applications of quantum computing; the relevance and utility of quantum algorithms and applications run on IonQ’s quantum computers; the size of quantum computing, security, and networking market segments in the future; IonQ’s quantum computing, security, and networking capabilities and plans; future deliveries of and access to IonQ’s quantum services, computers, and networking devices; access to IonQ’s quantum computers including hybrid-enabled functionality; increases in algorithmic qubit achievement; future purchases of IonQ’s offerings by customers using congressionally-appropriated funds from the U.S. government; IonQ closing anticipated acquisitions; the success of partnerships and collaborations between IonQ and other parties, including development and commercialization of products and services with such parties; and the scalability, reliability, performance, modularity, commercial-readiness, and architectural advantages of IonQ’s offerings. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements in this presentation, including but not limited to: changes in the competitive industries in which IonQ operates, including development of competing technologies; any inadequacies in the overall pace of technology development in the quantum industry, including inadequate advances in the state of quantum networking and quantum systems; IonQ’s relatively limited history in developing quantum networks; the capability of our quantum systems and quantum networks to provide transformative applications and commercial quantum advantage; changes in laws and regulations affecting IonQ’s business; IonQ’s ability to enter new markets and exploit new technologies; IonQ’s ability to implement its business plans, forecasts and other expectations, identify and realize partnerships and opportunities, and to engage new and existing customers; changes in U.S. government spending or policy that may affect IonQ’s customers; changes to U.S. government goals and metrics of success with regard to implementation of quantum computing; risks associated with U.S. government sales, including availability of funding and provisions that allow the government to unilaterally terminate or modify contracts for convenience; satisfaction of conditions to close acquisitions by IonQ and counterparties; IonQ’s inability to effectively integrate its acquisitions; IonQ’s ability to attract and retain key personnel, including Lightsynq personnel joining IonQ; IonQ’s ability to utilize the technology of acquired companies to accelerate the development and scale of IonQ’s systems and offerings; and IonQ’s ability to work effectively with collaborators in existing or planned partnerships, including the effectiveness of integration of IonQ’s technology with collaborators’ technology. You should carefully consider the foregoing factors and the other risks and uncertainties disclosed in the Company’s filings, including but not limited to those described in the “Risk Factors” section of IonQ’s filings with the U.S. Securities and Exchange Commission, including but not limited to the Company’s most recent Annual Report on Form 10-K and reports on Form 10-Q. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and IonQ assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise. IonQ does not give any assurance that it will achieve its expectations. IonQ may or may not choose to practice or otherwise use the inventions described in the issued patents in the future.

01 **Market Opportunity**

02 **Leading the Quantum Industry**

03 **Technology Path to Commercial Advantage**

04 **Enterprise-Grade Applications & Ecosystem**

05 **Building the Quantum Internet**

Our Goal:

To Lead the
Quantum Revolution
Technologically and
Commercially



01

Market Opportunity

A decorative graphic consisting of two sets of concentric ellipses, one on the left and one on the right, both centered on a small orange dot. The ellipses are light gray and fade out towards the edges of the slide.

Quantum Computing and Networking Expected to Create Up to **\$880B** in Economic Value by 2040

Machine Learning	Optimization	Simulation	Cryptography	Communication
Automotive: AV AI Algorithms \$1B-\$10B	Logistics: Network Optimization \$50B-\$100B	Pharma: Drug Discovery \$40B-\$80B	Government: Encryption, Decryption (Cyber Security) \$20B-\$40B	Security, Networks, and Services \$24B-\$36B
Finance: AML and Anti-fraud \$20B-\$30B	Insurance: Risk Management \$10B-\$20B	Aerospace: CFD \$10B-\$20B		
Tech: Search/Ads Optimization \$50B-\$100B	Finance: Portfolio Optimization \$20B-\$50B	Chemistry: Catalyst Design \$20B-\$50B		
Other Use Cases \$25B-\$110B	Aerospace: Route Optimization \$20B-\$50B	Energy: Solar Conversion \$10B-\$30B	Corporate: Encryption (Cyber Security) \$20B-\$40B	
		Finance: Market Simulation \$20B-\$35B		
		Other Use Cases \$75B-\$115B		

Quantum machine learning applications to impact **most, if not all, industries**

Sources: BCG, The Long-Term Forecast for Quantum Computing Still Looks Bright, June 2024, McKinsey, Quantum Technology Monitor, April 2024
Note: Value creation market sizes estimated at technology maturity

IonQ Leads the Pack in Quantum Technology



The LEADER in
Quantum Computing
and Quantum
Networking



Rapidly Expanding
Global Footprint across
5 Countries



Built for Today's
Modern Data Centers



Roadmap: **2M Qubits/**
80K Logical Qubits
by 2030



Trapped Ion
Architecture with
High Fidelity and
Connectivity



Exceedingly Low **13:1**
Error Correction
Overhead



Every **Major Cloud and**
SDK Supported



100-Qubit
System in 2025

IonQ Leads the Pack in Commercialization



AFRL



Hundreds of Premier Global
Partners & Customers

\$87B

TAMs By 2035¹

Large and Growing
Market Opportunity



Microsoft
Azure



Only Quantum Hardware
Available on All Major Clouds

\$1.6B

Cash, Cash
Equivalents, and
Investments
Balance²

Capitalized to
Execute and Deliver



Thriving Global
Quantum Hubs

1,000+

Patent Portfolio³

20+ Years of Technology
Development

\$82M-\$100M

Expected FY25
Revenue

Exceptional Track Record
of Revenue Growth



Exceptional Quantum
Application Portfolio

1. McKinsey Quantum Technology Monitor, Quantum computing and Quantum communication markets, April 2024

2. Cash, cash equivalents and investments were \$697.1M as of March 31, 2025

3. Includes owned or controlled patents granted and pending as of May 2025, including those from IDQ (in which IonQ owns a majority stake), Lightsynq Technologies, and Oxford Ionics (which IonQ intends to acquire pending closure pursuant to terms signed in June 2025)

Expanding **Global** Footprint

The world's greatest quantum talent works at IonQ



Boston, MA, USA

Acquired Lightsynq in **May 2025**

Chattanooga, TN, USA

Acquired Qubitekk in **Dec 2024**

Seattle, WA, USA

Opened manufacturing facility in **June 2023**

San Francisco, CA, USA

Acquired Capella in **July 2025**

Vista, CA, USA

Acquired Qubitekk in **Dec 2024**

Louisville, CO, USA

Acquired Capella in **July 2025**



Oxford, England

Pending acquisition of Oxford Ionics signed in **June 2025**

Toronto, Canada

Acquired Entangled Networks in **Jan 2023**

Washington DC, USA

Acquired Capella in **July 2025**

College Park, MD, USA

IonQ Headquarters since **2015**

Seoul, South Korea

Acquired majority stake of ID Quantique in **April 2025**

Basel, Switzerland

Quantum data center through partnership with QuantumBasel in **July 2023**

Geneva, Switzerland

Acquired majority stake of ID Quantique in **April 2025**

Led by Distinguished Industry Veterans



Niccolo de Masi

Chairman & CEO
dMY Technology Group | Glu | Siemens
Genius Sports | Resideo | Planet



Margaret Arakawa

Chief Marketing Officer
Microsoft | Intel | Fastly



Tom Jones

Chief People Officer
Microsoft | Honeywell | Blue Origin



Chris Monroe

Chief Scientific Advisor & Co-Founder
Duke University | NIST University of Maryland



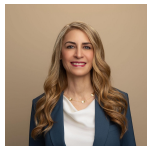
Marco Pistoia

SVP, Industry Relations
IBM | JP Morgan Chase



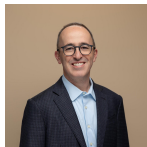
Thomas Kramer

Chief Financial Officer
Oracle | Cvent | BCG | Accenture



Rima Alameddine

Chief Revenue Officer
Nvidia | Cisco | Sun Microsystems



Ariel Braunstein

SVP, Product
Google | Cisco



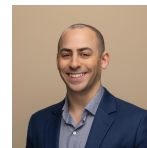
Rick Muller

VP, Quantum Systems
IARPA | Sandia National Labs



Martin Roetteler

VP, Quantum Solutions
Microsoft | NEC



Jordan Shapiro

President & GM, Networking
NEA | Samsung



Paul Dacier

Chief Legal Officer
EMC | AerCap Holdings | Quinn Emanuel



David Mehuys

VP, Production Engineering
PsiQuantum | Infinera



Dean Kassmann

SVP, Engineering & Technology
Amazon | Blue Origin

Integrating World-Class Talent & Technology



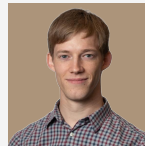
Computing Acquisitions

Technology Acceleration

Scientific Leadership



Oxford Ionics technology provides more qubits per QPU at lower cost, without compromising on performance.



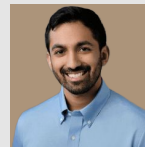
Dr. Chris Ballance

CEO, Oxford Ionics

- Intention to be acquired by IonQ June 2025 (2019 - 2025)
- Fellow, University of Oxford (2019 - 2025)
- PhD, University of Oxford (2010 - 2014)
- Citations: 4,475
- h-index: 25



Lightsynq's interconnect solution provides faster connections between QPU's, allowing for cost-effective data center scale-out.



Dr. Mihir Bhaskar

CEO, Lightsynq Technologies

- Acquired by IonQ (2024 - 2025)
- Research Lead, AWS Center for Quantum Networking (2021 - 2024)
- PhD, Harvard University (2015 - 2021)
- Citations: 5,085

Select Customers



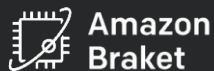
AIRBUS



AFRL



GE Research



ARLIS

GENERAL
DYNAMICS



Select Partners



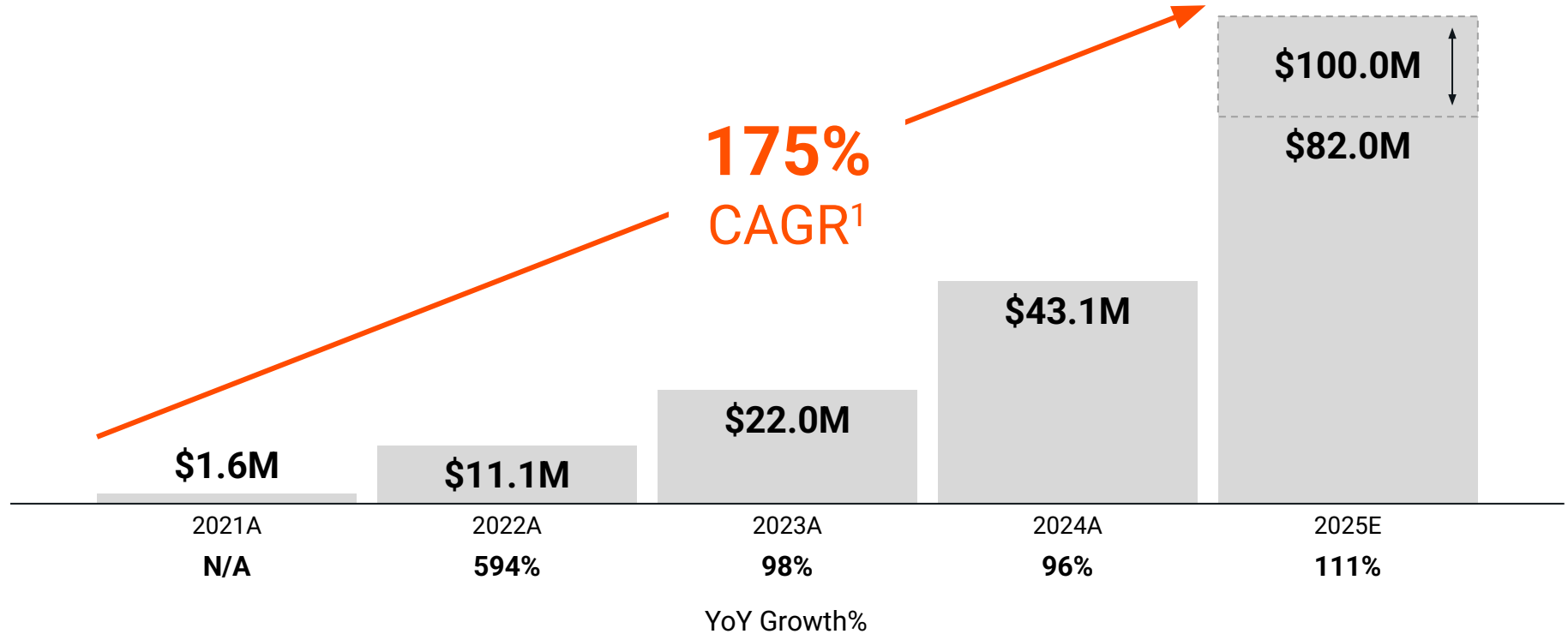
02

Leading the Quantum Industry

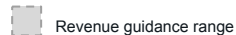
Accelerating GAAP Revenue



IonQ has been approximately doubling GAAP Revenue YoY since joining NYSE








1. CAGR represented based on 2025 midpoint revenue guidance range at \$91.0 million



Large and Growing Intellectual Property Portfolio



	Granted	Pending
 IONQ	214	339
 IDQ	229	69
 Qubitekk	116	2
 LIGHTSYNQ	10	18
 oxford ionics	4	59

Total IonQ
1,060*

*Includes owned or controlled patents granted and pending as of May 2025, including those from IDQ (in which IonQ owns a majority stake), and Oxford Ionics (which IonQ intends to acquire pending closure pursuant to terms signed in June 2025).

Leading Quantum Computing Technology Roadmap



	2025	2026	2027	2028	2029	2030
Qubits	64-100+	100-256+	10,000	20,000	200,000	2,000,000
Logical Qubits		12	800	1,600	8,000	80,000
Logical Error Rates			<1.00E-7		<1.00E-12	



Real Qubits, Real Results



Numbers and track record demonstrate IonQ's leading position in the Quantum race

	IONQ	Superconducting	Annealing	Other Compute Modalities
Price				
BOM Cost Est. at Full Fault Tolerance	<\$50M per Machine	>\$1B per Machine	N/A (No Fault Tolerance)	>\$1B per Machine
Performance				
Fidelity	99.999999999% by 2029	99.9%	No Gates	Varies
Error Correction Ratio	13 : 1	1,000 : 1	No Gates	10,000 – 1,000,000 : 1
Scale				
Space Requirements (Fault-Tolerant)	Data Center Racks	Football Field	Football Field	Football Field
Energy Requirements	Wall Socket	Nuclear Reactor	Unclear	Nuclear Reactor
Cooling Requirements	Minimal	Refrigeration	Refrigeration	Usually
Logical Qubits in 2027 / 2030	800 / 80,000	100 / 1,000	No Gates	None / 100
Enterprise Grade				
Applications	Proven and Published	Not Disclosed	Specific Use-Case	None
Public Cloud Availability	Big 3 Since 2021	Select Providers	Select Providers	None
Manufacturing Scale	Multiple Deployments	Multiple Deployments	Limited Deployments	Early R&D Stage

Delivering the Most Powerful Quantum Computers in the World



2025

2026

2027

2028

2029

2030

Physical Qubits

IonQ	64-100+	100-256+	10,000	20,000	200,000	2,000,000
IBM	133	360	1080	1080	n/a	n/a
Rigetti	36	100	n/a	n/a	n/a	n/a
Quantinuum	96	n/a	192	n/a	1,000+	n/a

Logical Qubits

IonQ	12	800	1,600	8,000	80,000
IBM	n/a	n/a	n/a	200	2,000
Quantinuum	~50	n/a	~100	n/a	100's

Logical Error Rates

IonQ	<1.00E-7	<1.00E-7	<1.00E-7	<1.00E-12	<1.00E-12
IBM	Not disclosed	n/a	n/a	n/a	n/a
Quantinuum	<1.00E-4	n/a	~1.00E-5	n/a	1.00E-5 to 1.00E-10

1. Indicated as "long-term goal" with no specific year assigned to the milestone 2. Algorithmic qubits 3. Limited logical fidelity of only 99.99% Source: Public roadmaps

03

Technology Path to Commercial Advantage

Trapped Ion Architecture

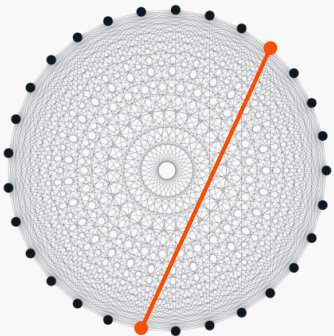
	Trapped Ion	Superconducting
Fidelity	▲ 99.99%+	▼ Varies
Connectivity	▲ All-to-all ¹	▼ Nearest neighbor (requires more 2Q Gate operations)
Error Correction	▲ 3:1 partial error correction ² ▲ 13:1 error correction ³	▼ 100:1 error correction ⁴
Scalability	▲ Natural and identical ▲ Data center configurable ▲ Electronic chip manufacturing	▼ Manufactured ▼ Large and clunky ▼ Refrigeration required
Coherence	▲ Longest qubit lifetime	▼ Shorter qubit lifetime
Temperature	▲ Room temperature environment	▼ Dilution refrigerator cooled to 10 millikelvin

1. All-to-all connectivity for ions within the same QPU core (laser gates core)
2. Partial error correction through Clifford Noise Reduction (CINR)
3. Error correction rates for IonQ trapped ion quantum computers; refer to arXiv:2503.22071
4. Using the $[[49,1,7]]$ surface codes instead of the $[[48,4,7]]$ BB5 codes



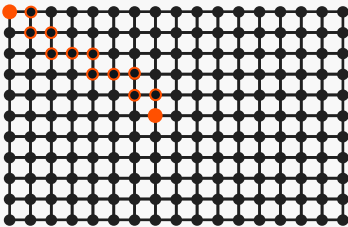
IonQ Advantage

All-to-all connectivity¹
Two-qubit gate fidelity



Superconducting Competitors

Nearest-neighbor connectivity
Multiple swap gates required



Electronic Qubit Control:

Scaling, Fidelity, Speed, and Precision

Control

Microwaves and electric fields enable precise, localized qubit control for maximum accuracy

Speed

On-chip control and parallel ops boost efficiency and reduce time-to-solution

Fidelity

Strong on-chip isolation enables longer coherence and industry-leading fidelity

Scalability

Qubit-dense, replicable chips lower cost per qubit and overcome scaling and manufacturing limits



World Records:

99.999%

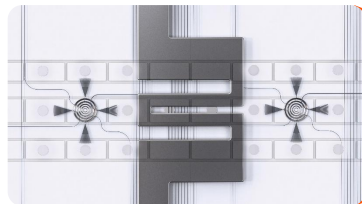
1Q Fidelity

99.97%

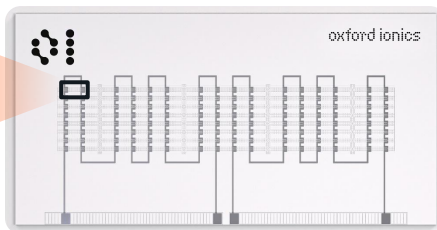
1Q Fidelity

IonQ and Oxford Ionics Roadmap Increases Qubit Density on Chip

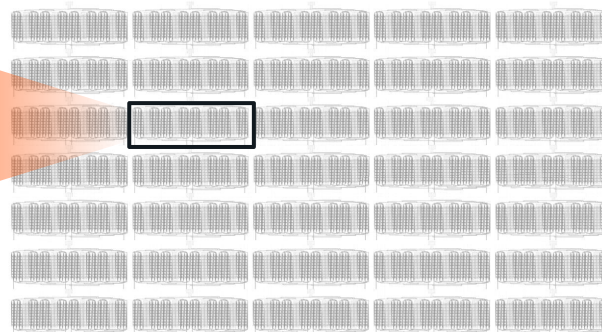
8-qubit
unit cell



256-qubit
quantum computer



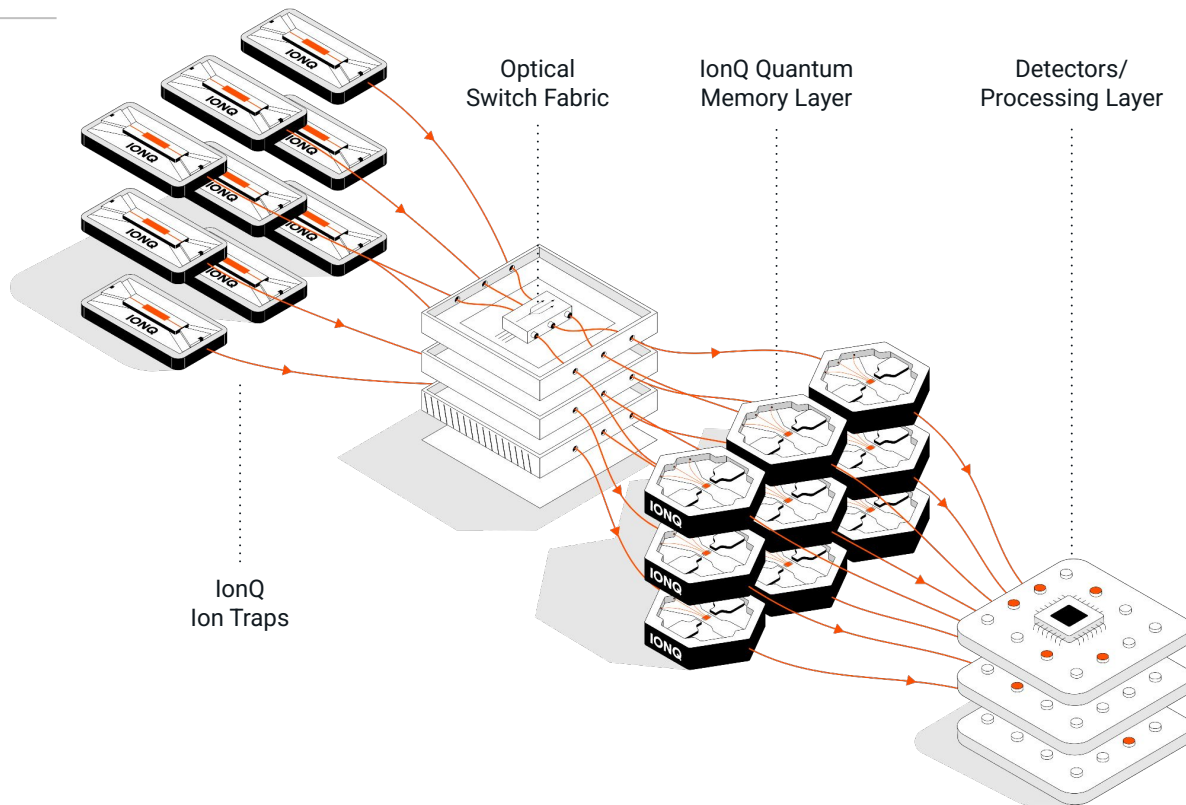
10,000-qubit
quantum computer



Acquisition of Oxford Ionics **creates a path for scaling qubit count** through manufacturing on standard silicon chips

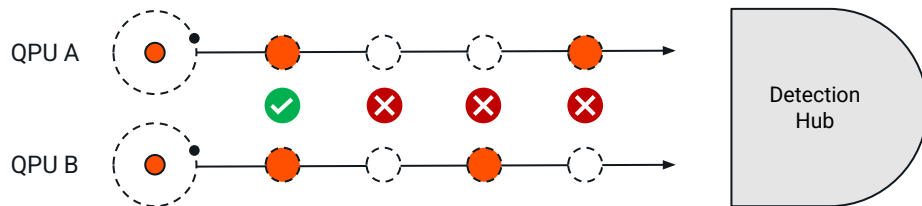
Photonic Interconnects Drive Modular Scaling

Data center-friendly
scaling architecture
leveraging mature
optical fiber link
technology



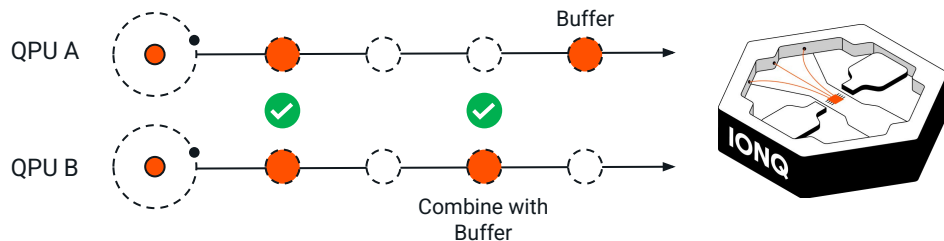
Quantum Memory Enhanced Photonic Interconnects

Previous best-in-class: No quantum memory



- Simultaneous photon arrival required for connection
- Photon loss causes retries, reducing network speed

IonQ Lightsynq approach: Memory-enhanced interconnects



- No sync needed with quantum memory
- Memory mitigates loss, enabling up to 50x faster networks
- Integrated photonics allow scalable, foundry-ready chips

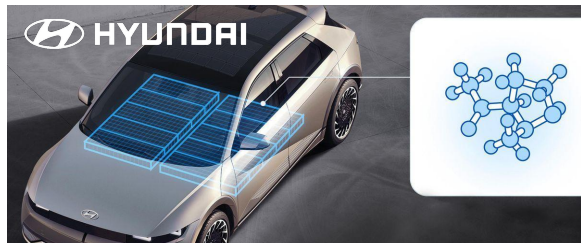
04

Enterprise-Grade Applications & Ecosystem

Leading Sustainability and Environment Innovation



Innovative Use Cases Positively Impacting Climate Initiatives



Battery Material Simulation



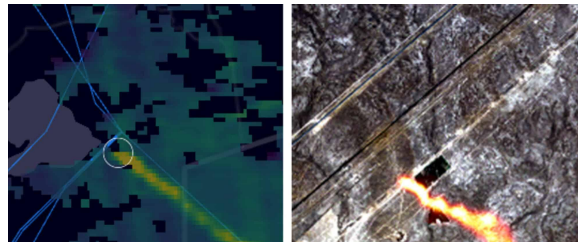
Power Grid Balancing and Optimization



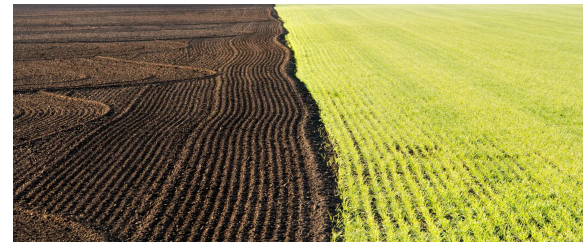
Electric Transport Logistics Optimization



Photovoltaic Modeling and Design




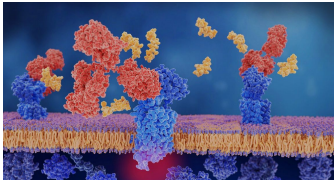





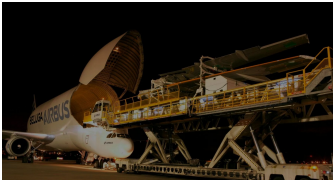


Gas Leak Detection Via Satellite



Carbon Sequestration Catalysts

Applications for Commercial Advantage

Optimization	Drug Discovery	Simulation	Data Analysis	Optimization
  <p>Energy Grid Distribution Improvements</p> <ul style="list-style-type: none"> • Developing novel hybrid algorithms to solve energy optimization problems • Accelerating grid modernization and optimizing power generation schedules to meet electricity demand at minimal cost <p>Potential Market Size: \$50B-\$100B</p>	  <p>Pharma Drug Discovery Modeling</p> <ul style="list-style-type: none"> • Using quantum to advance chemical interactions modeling for drug discovery • 20x faster time-to-solution than best previously published implementation with higher accuracy and lower power consumption <p>Potential Market Size: \$40B-\$80B</p>	  <p>Engineering Simulation Modeling</p> <ul style="list-style-type: none"> • Integration of quantum solutions into design tools • Demonstrated 12% commercial advantage over classical alternatives on life-saving blood pump computational engineering <p>Potential Market Size: \$10B-\$20B</p>	  <p>Fraud & Anomaly Detection in Large Datasets</p> <ul style="list-style-type: none"> • Creating quantum solutions enhancing fraud and anomaly detection in large datasets • Project focused on identifying complex irregularities with greater accuracy <p>Potential Market Size: \$25B+</p>	  <p>Supply Chain Optimization</p> <ul style="list-style-type: none"> • Developing quantum algorithms for optimizing cargo loading • Increasing operational efficiency to drive fuel and labor cost savings <p>Potential Market Size: \$50B-\$100B</p>

Source: BCG, The Long-Term Forecast for Quantum Computing Still Looks Bright, June 2024
Note: Value creation market sizes estimated at technology maturity

Quantum-Accelerated Graph Partitioning for Finite Element Simulation with Ansys

Business and Technical Challenges

LS-DYNA crash simulations are slowed by costly graph partitioning on massive FEM meshes

IonQ's Quantum Solution

QITE approach breaks down large meshes into smaller subgraphs for quantum processing

Business Impact

Up to 12% faster simulation times, with strong potential for continued quantum-driven acceleration

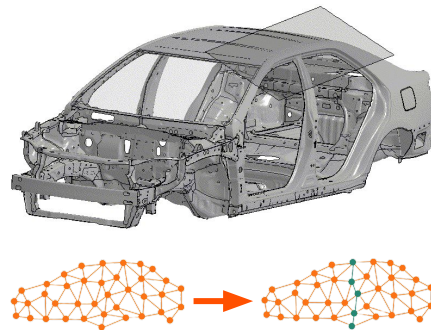


Up to

12%

Improvement over
classical heuristics

2.6M vertices
40M edges



Accelerating Drug Development through Enhanced Simulations with AstraZeneca

Business and Technical Challenges

Traditional computing struggles to accurately and efficiently model complex transition metal catalysis

IonQ's Quantum Solution

QC-AFQMC delivers scalable, high-accuracy simulation of reaction energetics

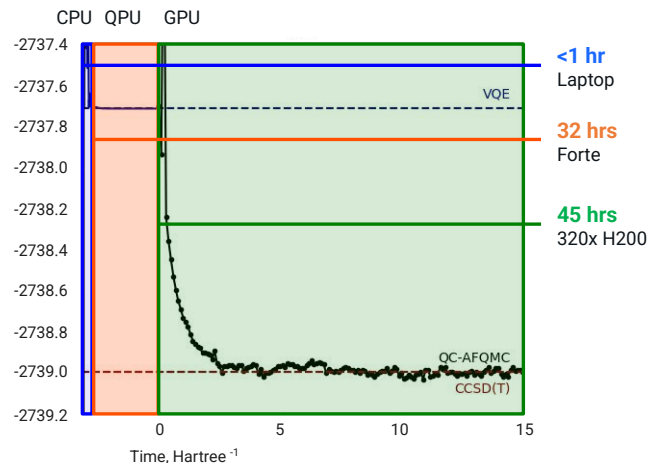
Business Impact

Enables faster, more cost-effective drug development and material design



20x

Faster time-to-solution than best previously published implementation



Pioneering Quantum Solutions for U.S. Energy Grid Optimization with ORNL

Business and Technical Challenges

Unit Commitment is vital for utilities—grid inefficiency causes up to 60% of energy loss in U.S. power generation

IonQ's Quantum Solution

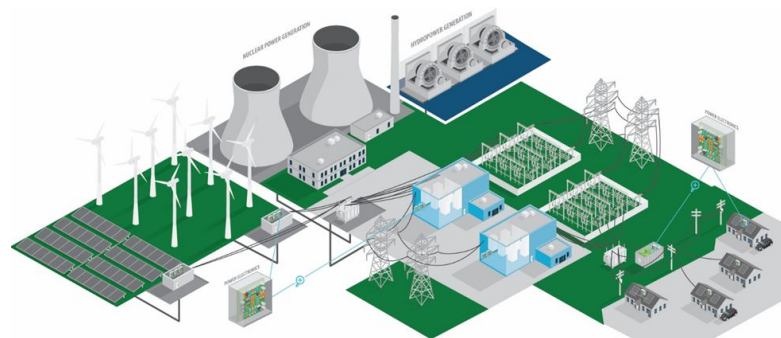
Novel hybrid algorithm—co-developed with ORNL—optimizes power generation schedules to meet growing energy demands

Business Impact

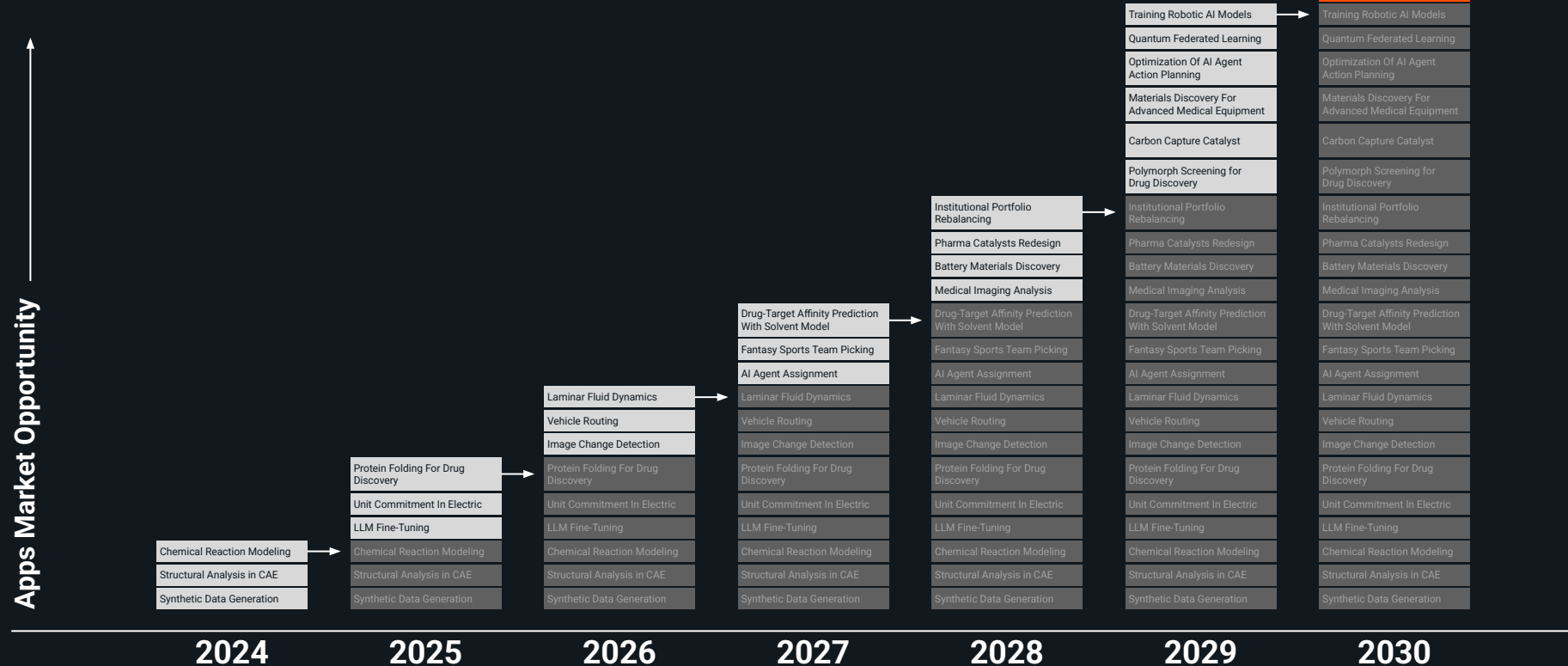
Successfully optimized a 26-generator grid—demonstrating a clear path to solving grid-scale challenges with 2026-era systems

>60%

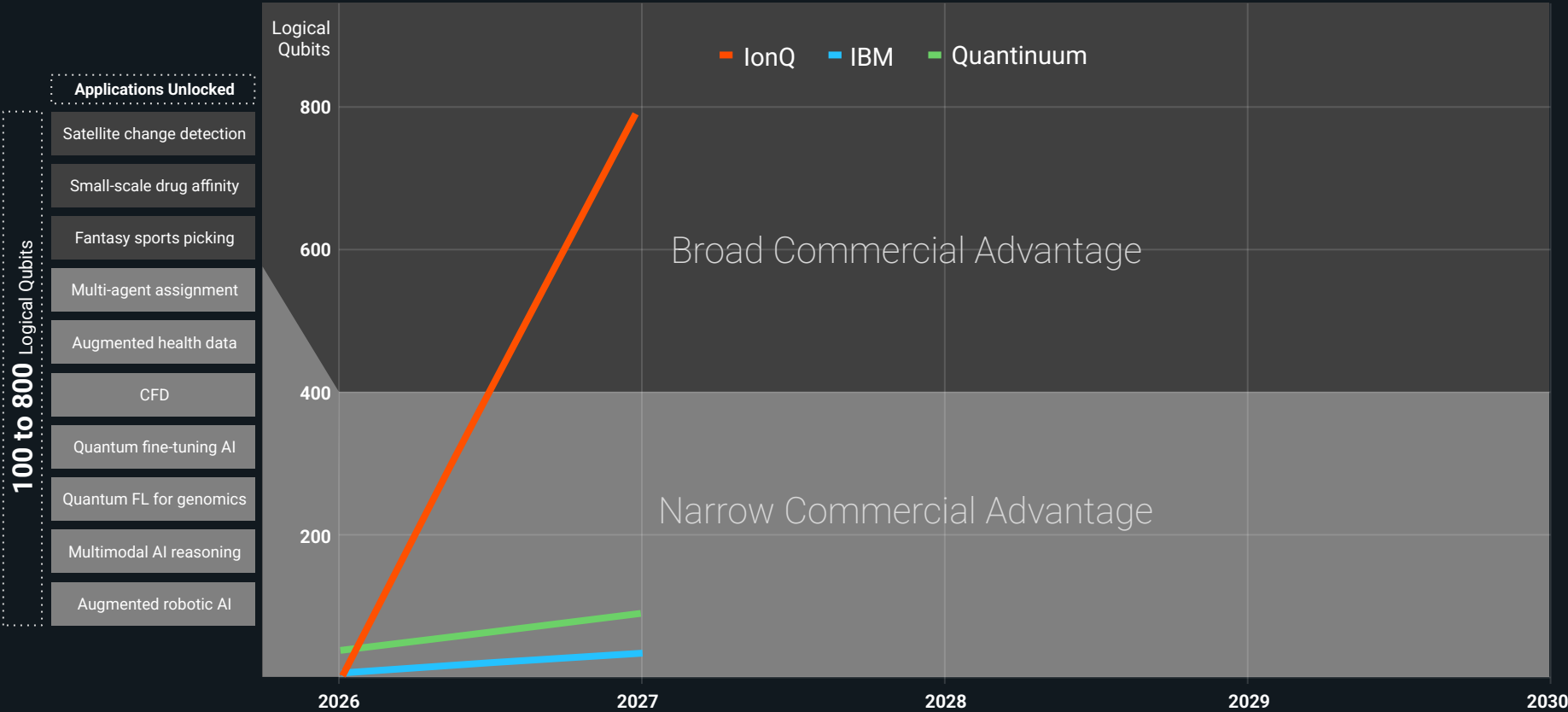
decrease in error rates
as the problem size
grows



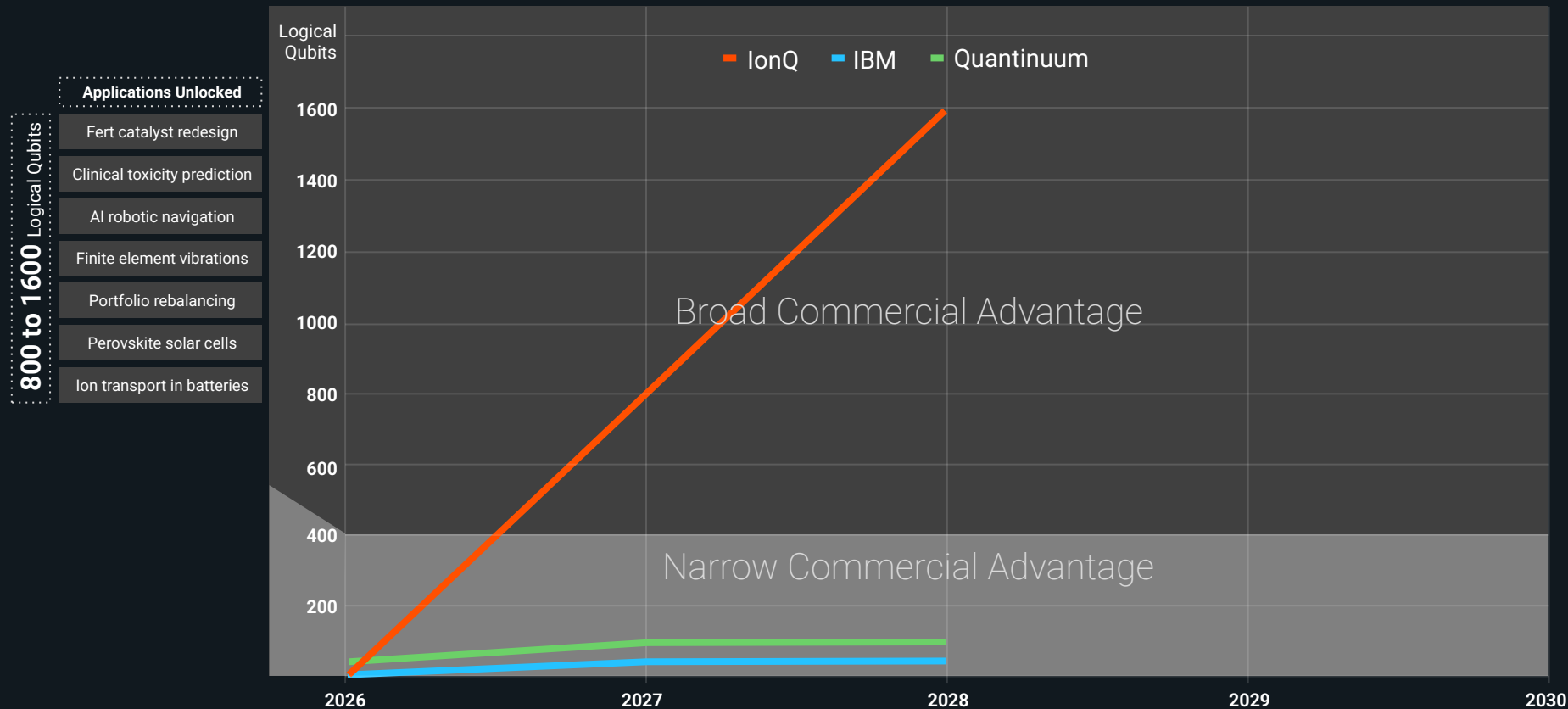
Expanding the Quantum Application Opportunity



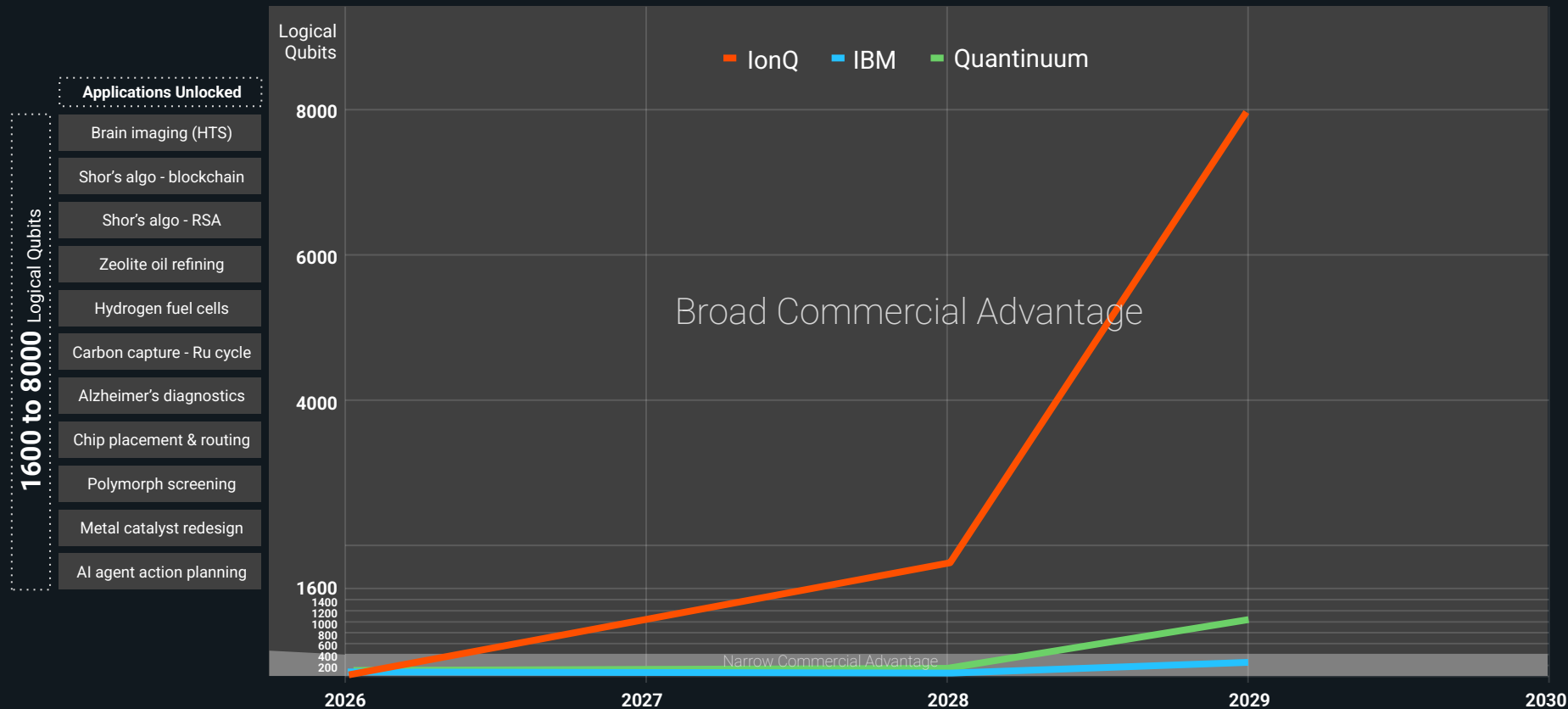
Leading the Pack: Unlocking Broad Commercial Advantage



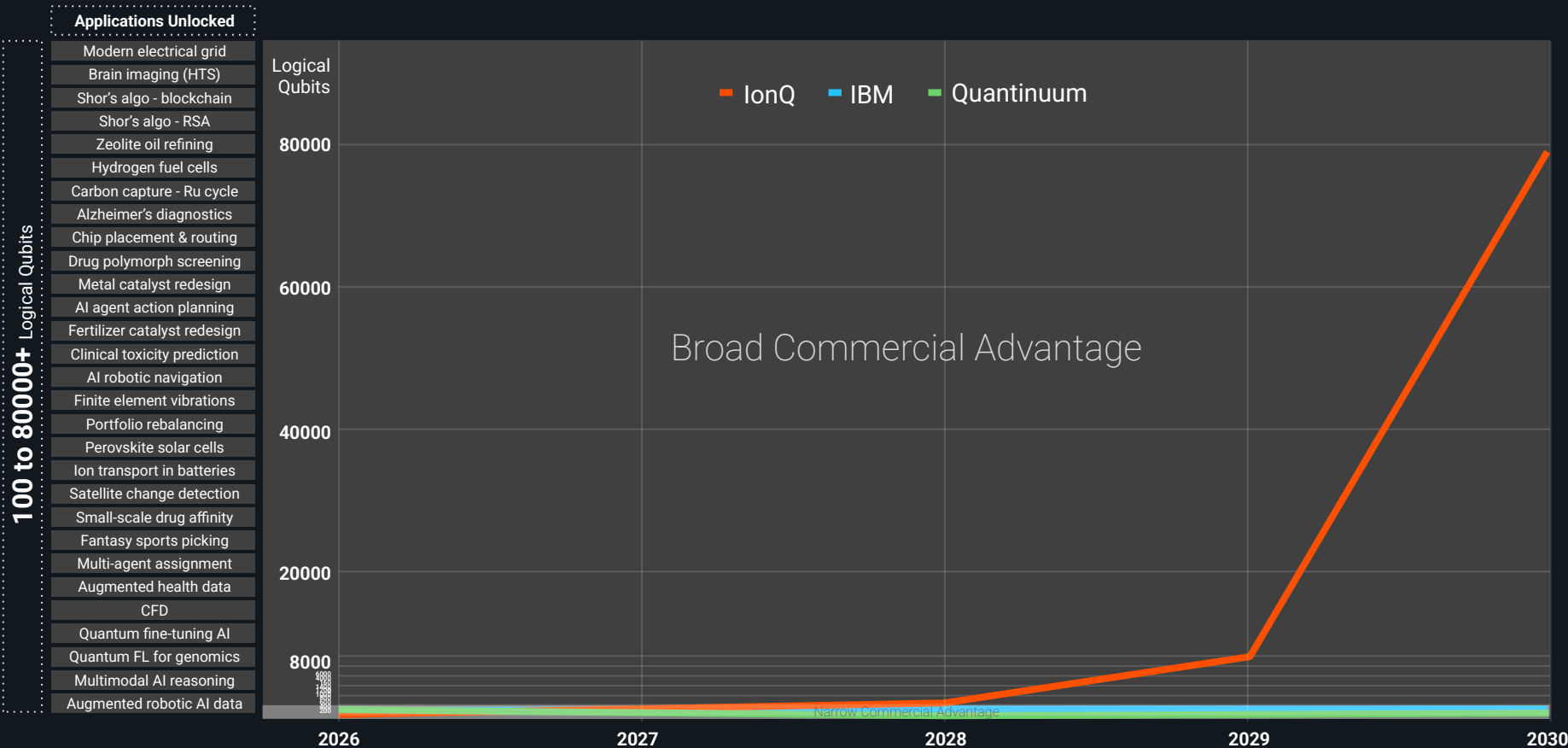
Exponential Edge: Rapid Qubit Scaling Unlocks More Complex Applications



Dominating the Quantum Frontier: Targeting Mission-Critical Applications

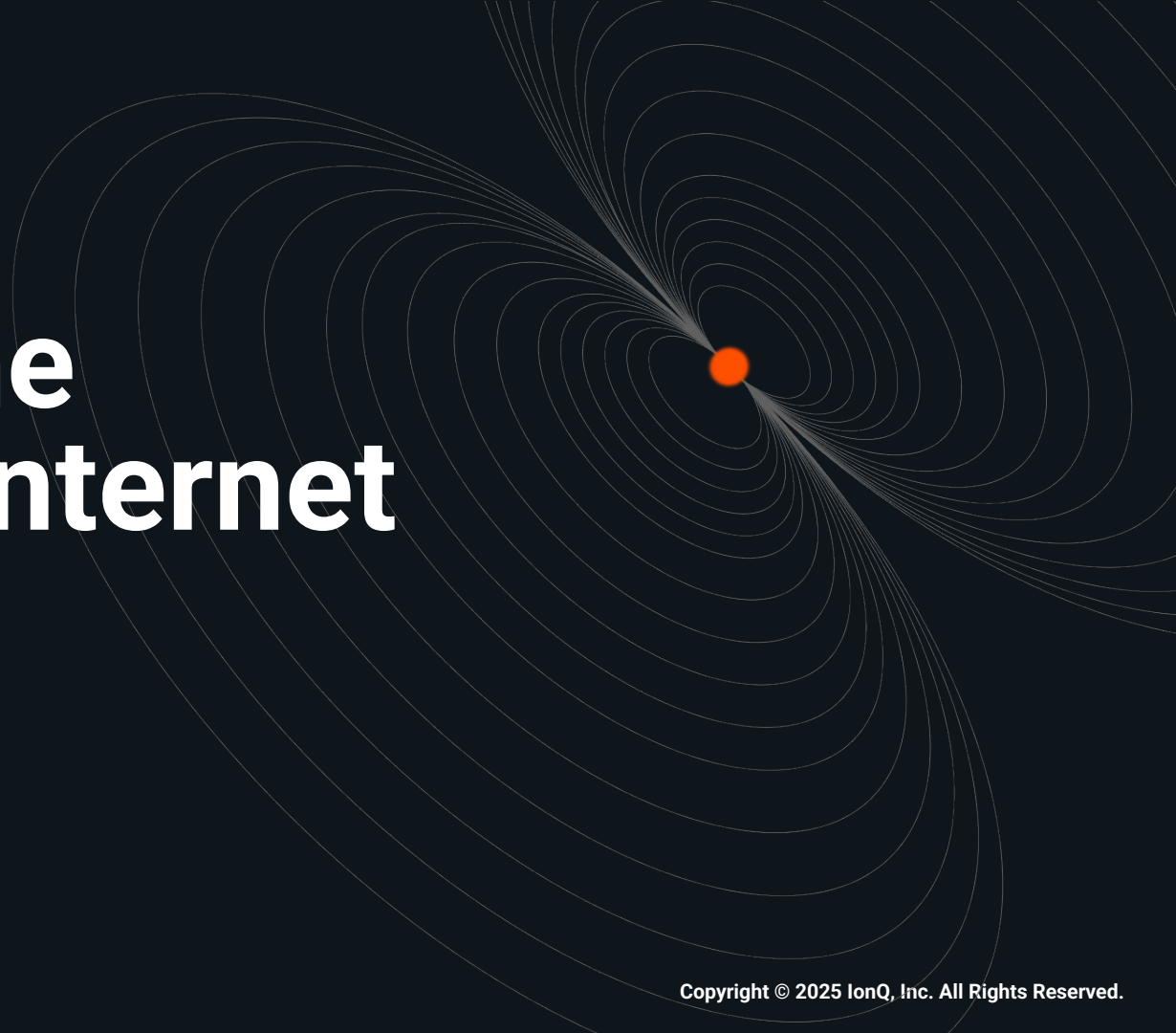


The Platform of Record: Powering the World with Quantum



05

Building the Quantum Internet



The Quantum Internet: A New Paradigm for Security and Computation

The intersection of best-in-class secure communication and scalable quantum power



The Quantum Internet

Ultra-Secure Communications

Entanglement Distribution and QKD

- Communicate securely, low risk of hacking from quantum computers
- Ultra-secure communication, even in remote, highly-sensitive settings

Ultra-Secure Computation

Blind Quantum Computing

- Securely run algorithms, even on centralized hardware
- Eliminate threats of compromised privacy and integrity of compute

Networked Compute

Modular, Scalable Quantum

- Achieve more powerful quantum systems by linking computers
- Compute across modalities for a diverse array of algorithms

Quantum Networking Solutions for Post Quantum Cryptography

Problem: The RSA Vulnerability



For decades RSA public key cryptography has been the foundation of secure communications



Implementation flaws such as poor random number generation, side-channel attacks, and padding oracle attacks create security exposure



Threats of data harvest now, decrypt later is a material risk to global organizations



Shor's algorithm and exponentially powerful quantum computers threaten the security and data protection that RSA currently offers

Leading the Race to Resilience



Solution: IonQ's Quantum Networking



Quantum Security

Quantum key distribution



Entanglement Distribution

Enabling secure compute and communications



Quantum Componentry

Photon detection systems for long-range quantum optical networks

Telecom, banks and institutions spearheading the quantum-safe security revolution



QKD is easily integrated on top of existing encryption protocols



Enabling Commercial-Scale Quantum Networks

Entangled photon
sources

Superconducting
nanowire detectors

Quantum-compatible
fiber optic switches

Precision correlated
timing hardware

EPB Quantum NetworkSM

A Commercially Available Quantum Network in Tennessee

EPB Quantum Center is the first commercial quantum computing and networking facility in the U.S.



Enabling Long-Distance, Global Quantum Networks

Quantum repeaters pave the way for the quantum internet backbone

Over **35 km** of deployed fiber with a path to **hundreds of kilometers** between repeaters

Over **one second** storage time

Repeaters are a key component of the **Quantum Internet** future

Article

nature

Entanglement of nanophotonic quantum memory nodes in a telecom network

<https://doi.org/10.1038/s41586-024-07252-z>

Received: 24 September 2023

Accepted: 28 February 2024

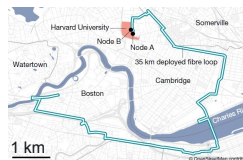
Published online: 15 May 2024

Open access

 Check for updates

C. M. Knaut^{1,6}, A. Suleymanzade^{1,6}, Y.-C. Wei^{1,6}, D. R. Assumpcao^{2,6}, P.-J. Stas^{1,6}, Y. Q. Huan¹, B. Machiels^{1,6}, E. N. Knall^{1,6}, M. Sutura¹, G. Baranes^{1,6}, N. Sinclair¹, C. De-Eknamkul¹, D. S. Levonian^{1,2}, M. K. Bhaskar^{1,2}, H. Park^{1,2}, M. Lončar² & M. D. Lukin^{1,2}

A key challenge in realizing practical quantum networks for long-distance quantum communication involves robust entanglement between quantum memory nodes connected by fibre optical infrastructure^{1–3}. Here we demonstrate a two-node quantum network composed of multi-qubit registers based on silicon-vacancy (SiV) centres in nanophotonic diamond cavities integrated with a telecommunication fibre network. Remote entanglement is generated by the cavity-enhanced interactions between the electron spin qubits of the SiVs and optical photons. Serial, heralded spin-photon entangling gate operations with time-bin qubits are used for robust entanglement of separated nodes. Long-lived nuclear spin qubits are used to provide second-long entanglement storage and integrated error detection. By integrating efficient bidirectional quantum frequency conversion of photonic communication qubits to telecommunication frequencies (1,350 nm), we demonstrate the entanglement of two nuclear spin memories through 40 km spools of low-loss fibre and a 35-km long fibre loop deployed in the Boston area urban environment, representing an enabling step towards practical quantum repeaters and large-scale quantum networks.



Global Space-based Quantum Internet Capability

Establishes IonQ as **vertically integrated** orbital sensor network deployment leader

Unlocks **rapidly growing secure communications market** via QKD and free-space optical quantum transmission

Enables direct access to top-secret contracting expertise; IonQ gains a **Facility Security Clearance (FCL)**



