

DELTA GOLD TECHNOLOGIES

August 2026

EIS

Enterprise
Investment
Scheme



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Executive Summary

Delta Gold Technologies PLC (“Delta Gold”) is working with the University of Toronto and The Pennsylvania State University (“Penn State”) to advance quantum computing-related intellectual property arising from the unique physical characteristics of gold and other nano-engineered materials. Delta Gold will hold a global exclusive license on the innovations developed through the research, and Delta Gold has the exclusive right to license out the IP to third parties for future revenue.

The research programme is highly efficient on capital and operational expenditure and it opens a position at the foundation of the field.

Delta Gold is entering a new phase: having filed three patents plus a provisional application, the Company has set clear milestones for creating valuable IP. It has surveyed the quantum information landscape and has an opportunity at the root level by working on the fundamentals of stability and scalability for a qubit.

Listed on

-  (Ticker: **DGQ**)
a SIX company
-  (Ticker: **DGQTF**)
-  (Ticker: **O2J**)

Approved for

EIS Enterprise
Investment
Scheme



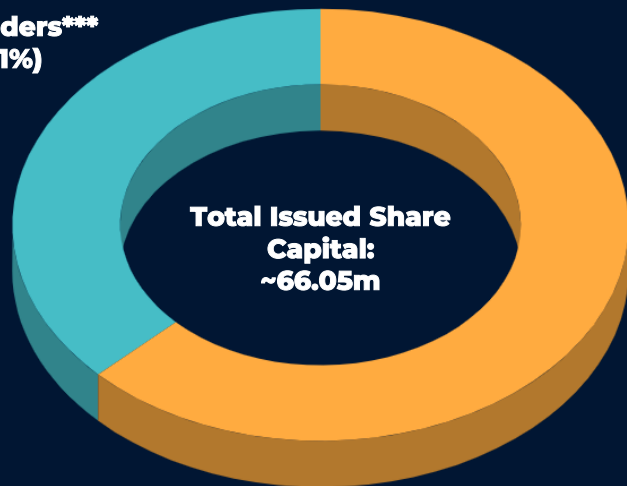
Active Research



UNIVERSITY OF
TORONTO

Corporate Overview

Shareholders*
(36.81%)**



**HNW TRI / Board
(63.19%)**

DGQ Share Structure

Shares in Issue	66,051,791
Stock Exchanges	Aquis (Ticker: DGQ) OTCQB (Ticker: DGQTF) Frankfurt (Ticker: O2J)
Board & Founders	20.41 M ** (30.94%)
Market Cap @ £1.27	£84.38 M (2026/08/24)
Advisor Warrants (15p)	342,608
Investor Warrants (50p)	1,932,141

***Founder shares escrowed , 12 (50%), 18 (25%), 24 months (25%)*

****EIS Eligible for qualifying investors.*

Quantum Computing — A Primer

CLASSICAL — the bit



A settled coin: **heads or tails.**

Each bit holds one value; paths are checked one at a time.

QUANTUM — the qubit



A spinning coin: **0 and 1 at once** (superposition).

Entangled qubits spin together — multiplying the combinations held at once.

The result: instead of checking options one by one, a quantum computer explores millions of possibilities simultaneously, all at once.

Encryption

Crack a bank-grade code:
centuries → **hours**

Drug discovery

Simulate a new molecule:
~~Trial-and-error~~ → **exact
modelling**

Sensing

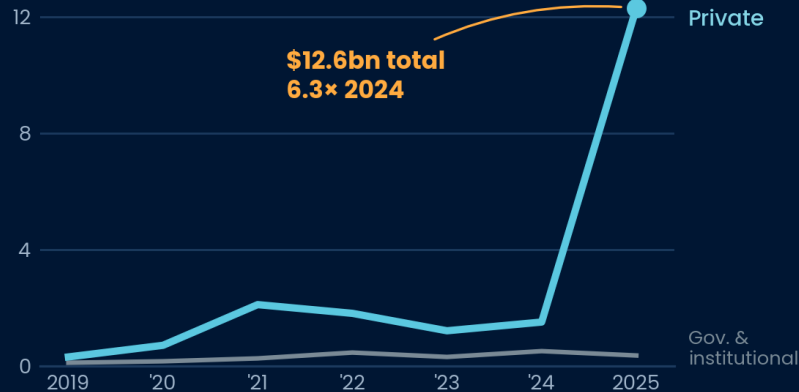
Detect magnetic fields,
temperature, chemistry;

**Beyond any classical
sensor**

The Market — Large Prize, Real Momentum

Investment in quantum-technology start-ups

\$ billion, raised per year



Redrawn from McKinsey Quantum Technology Monitor 2026 exhibit; values approximate.

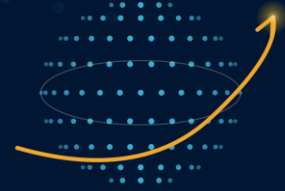
Why it matters to Delta: Delta aims to license IP to the companies that will compete for billions in expected revenue.

quantum computing companies' worldwide revenue.

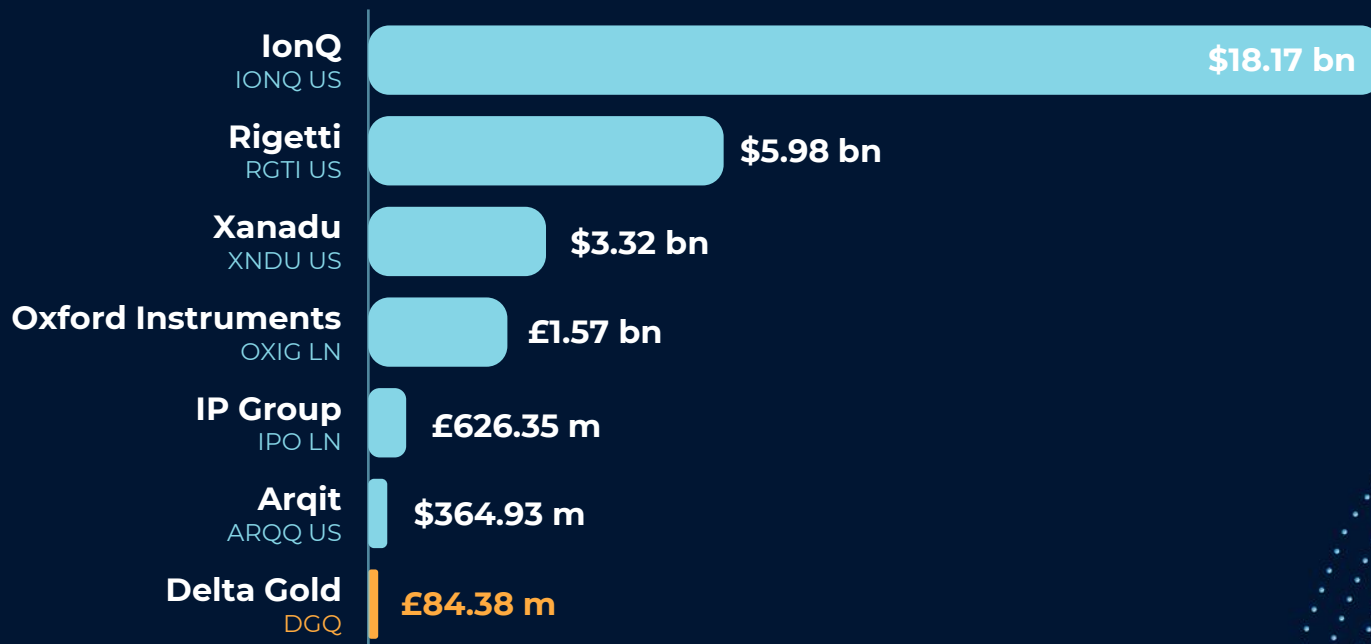
>\$1bn → \$4.4bn
2025 2028

economic value quantum computing could create across industries — the prize driving adoption, distinct from the technology market itself

\$1.3–2.7tn
2035



Quantum Computing Companies



Quantum Ceiling

Pure QC Play, Trapped Ion

Quantum Ceiling

Pure QC Play, Super Conducting

Ecosystem Peer

Same UofT research base,
Photonic

Revenue Generating Peer

Rent Q Hardware tools

Structural Peer

IP Licensing Investment Vehicle

Size Peer

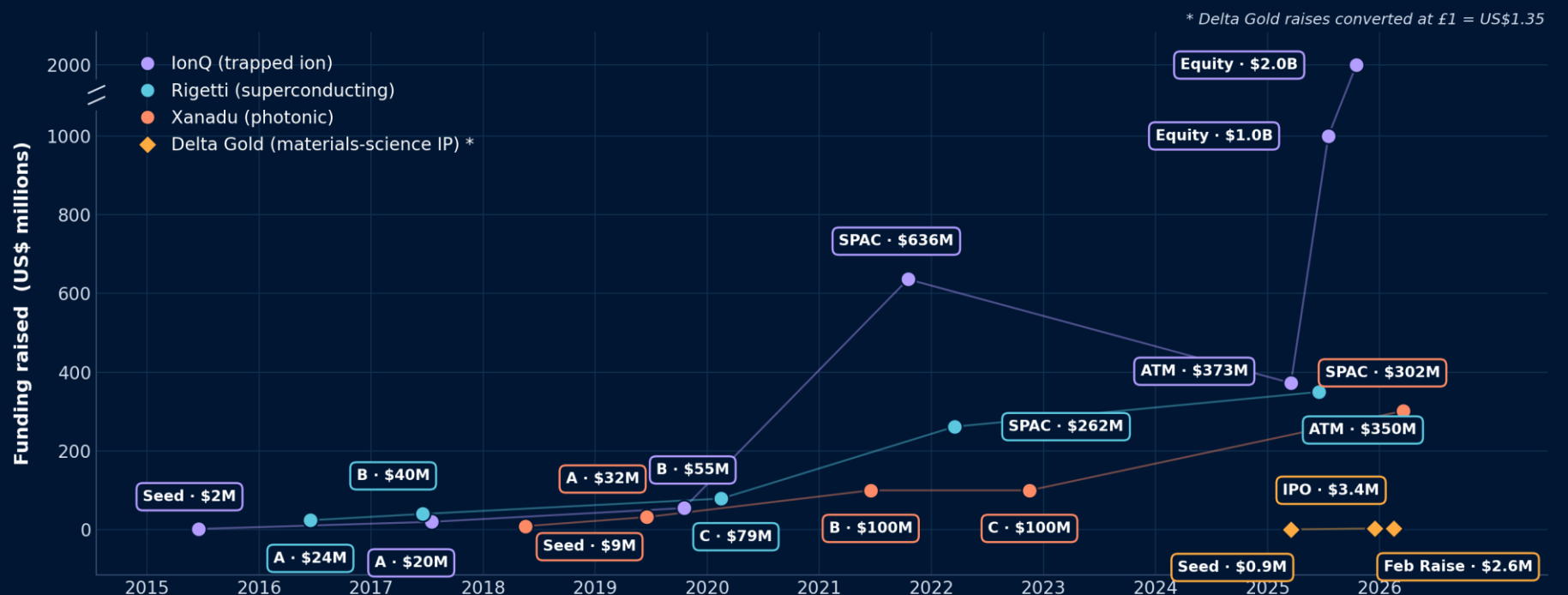
Q Encryption – smallest early-
stage UK name

Delta Gold Technologies

QC materials-science IP, nanoscale
gold

* Approximate market caps are as reported on Yahoo Finance at Market Open (2026/08/24)

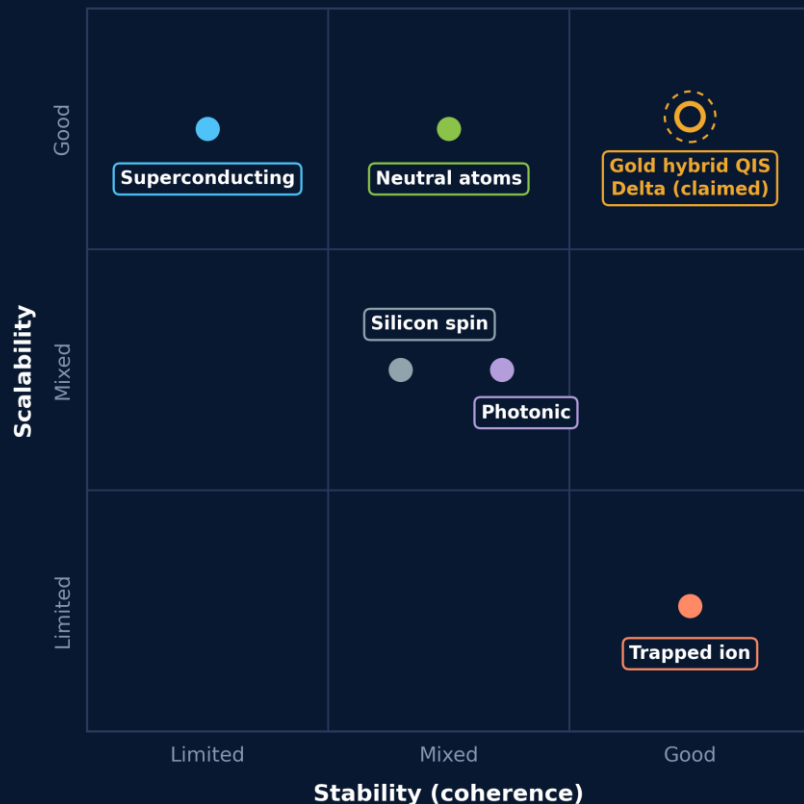
Funding Rounds Over Time



Source: SPAC figures are actual proceeds after redemptions (Rigetti announced \$458M). Sources: SEC filings (IonQ, Rigetti, dMY III, Crane Harbor), company press releases, The Globe and Mail / BetaKit / The Logic, Wikipedia.

The Modality Map

*Current state-of-the-art published results for each platform, achieved under conditions optimised for that platform; figures conservative and indicative, not directly comparable.



■ **Superconducting** — **Scalability good** — adding physical qubits to the system suppresses net error (demonstrated at 101 qubits). — **Stability limited** — short coherence lifetimes (microseconds).

■ **Trapped ion** — **Scalability limited** — ions laser addressed one by one. **Stability good** — best coherence of any current platform (up to minutes) and most accurate operation (>99% fidelity).

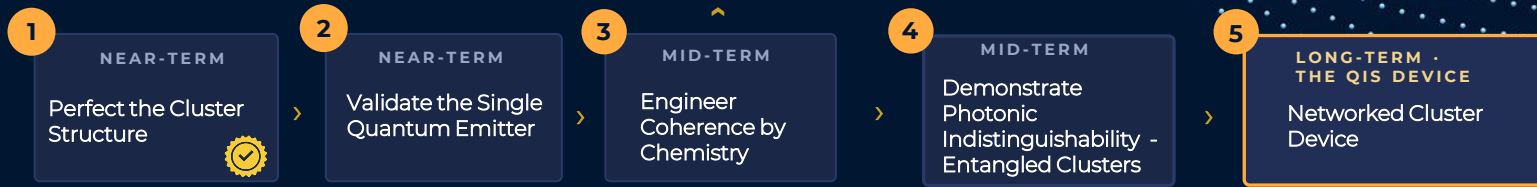
■ **Photonic** — **Mixed on both** — naturally mobile and low-noise, and networking-native, but photon loss and probabilistic gates constrain each axis.

■ **Neutral atoms** — **Scalability good** — recent experiments have trapped over 6,100 atomic qubits. **Stability mixed** — coherence lifetime (seconds) but low coherence-to-gate ratio.

■ **Silicon spin** — **Mixed on both** — made in a standard 300-mm chip foundry, but only 2-qubit devices demonstrated so far. Accurate operations (>99% fidelity) but short raw coherence (microseconds).

■ **Hybrid Optical Electronic Gold Device (Delta, claimed)** — Company projects **good performance on both axes** — two gold routes, one device: clusters with ~40% spin-polarised telecom emission (optical) + superconducting circuits from an engineered gold layer (electrical). Compute with networking built in. (Research stage, not yet a device.)

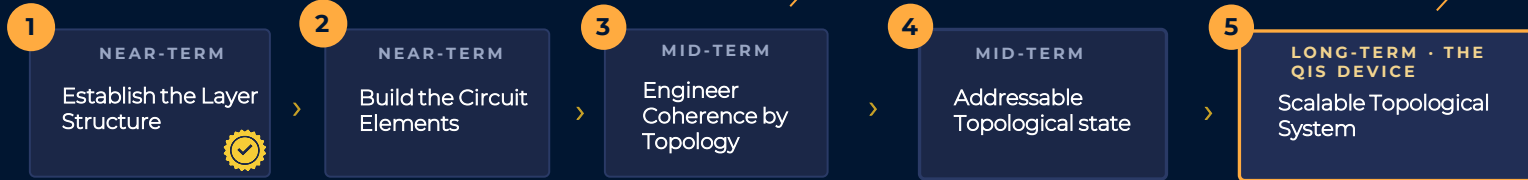
Gold Optical QIS – Penn State



MID-TERM · FIRST PRODUCT
Optical Quantum Sensor

Gold Hybrid manufactured and functioning QIS – **Project Hurricane**

Gold Electrical QIS – U of T



MID-TERM · FIRST PRODUCT
Topological Quantum Spin Sensor

H1
LONG-TERM · CONVERGENCE
Integrated cluster / Topological Sensor

H2
LONG-TERM · THE QIS DEVICE
Hybrid gold QIS platform: stable/scalable compute + networking in one material.

Key



Patents Filed



Commercial Product

Research Agreement 1



Current Status

Following the University of Toronto's formal confirmation of the invention '**Novel transducer structures for quantum devices**', Delta Gold exercised its licence option under the Research Sponsorship Agreement and entered into the Technology Licence Agreement (TLA), positioning the Company to obtain an exclusive, global licence to the resulting intellectual property.

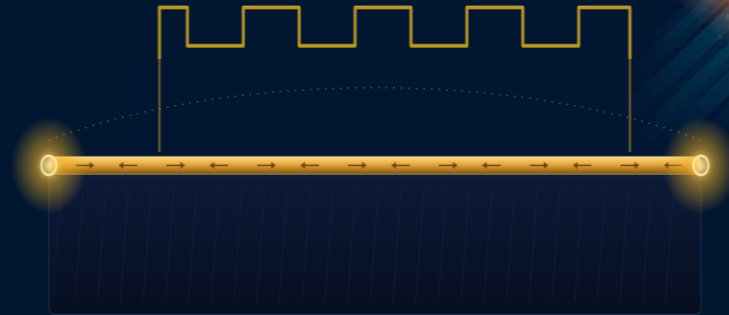
A provisional patent has been filed and will remain confidential for 18 months. During this period, UofT and Delta Gold will collaborate on potential follow-on patent applications and undertake additional work to further define and detail the inventions within the filed theme.

Sponsorship Agreement: 3 Years

IP Ownership: 100% Owned Exclusive Licence (Globally)

University Royalty (1.5% royalty of the Net Sales)

Provisional Patent Filed (RNS May 2026) 



RESEARCH TEAM LEAD



Principle Investigator – Professor Harry Ruda



Harry E. Ruda received the B.Sc. degree (with distinction) from Imperial College of Science and Technology, UK in 1983, and PhD degree from Massachusetts Institute of Technology, Cambridge, USA in 1982. He was awarded an IBM Postdoctoral Research Fellowship, during which he worked on one of the first theories of electron transport in quantum nanostructures. From 1984 to 1989 he was a Senior Research Scientist working at 3M Corporation where he was a key member of their II-VI semiconductor blue laser team. In 1989, he joined the MSE department at the University of Toronto, cross-appointed to ECE. In 1997 he was appointed as the Director of University of Toronto's Centre for Nanotechnology. He has published over 250 publications in internationally refereed journals (with >2,800 SCI citations), co-authored 4 books and has 14 patents. Professor Ruda's research interests focus on the fabrication, modelling understanding of behaviour of quantum functional nanostructures and their applications to nanoelectronics and nanophotonics.

Global Post Doctoral Fellows with specific knowledge in nano-technology highly relevant to the already developed IP have expressed interest in joining the team working on this technology now the year 1 funding has been secured.

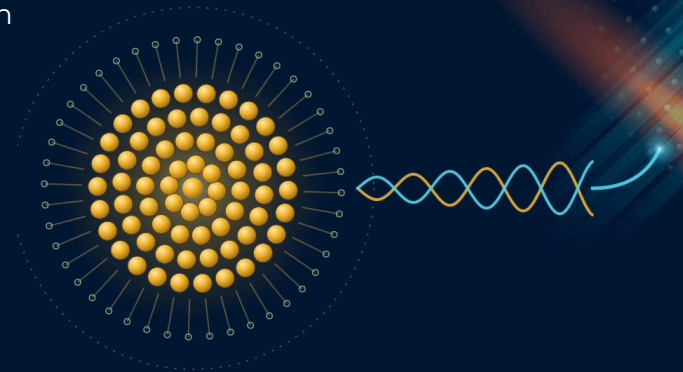
Research Agreement 2



Current Status

Penn State has filed three full patent applications. The three patent applications relate to exploiting gold and other materials for their quantum mechanical properties for sensing, computing and information processing.

In general quantum information applications rely on the ability to encode, manipulate and read out quantum states. The solid-state materials that are the subject of the patent applications offer promise with respect to encoding, manipulation and read out while being stable and scalable. Comparisons to some of the other common methods with respect to quantum information are made in the patents.



Sponsorship Agreement: 6 years

IP Ownership: 100% Owned Exclusive Licence (Globally)

University Royalty (1% royalty of the Net Sales above \$20m)

Full Patent Applications: Three Applications (RNS June 2026)



RESEARCH TEAM LEAD

Principle Investigator – Kenneth Knappenberger



Kenneth L. Knappenberger, Jr. is a Professor of Chemistry and Physics at Pennsylvania State University, where he is currently the Head of the Department of Chemistry. He leads a research team focused on understanding optical, electronic, and spin properties in structurally precise nanomaterials with emphases on gold nanoclusters. He was a postdoctoral researcher at University of California, Berkeley (2005-2008) and earned his PhD at Pennsylvania State University in 2005.

He started his independent career at Florida State University (2008-2017). He was Head of the magneto-optics program of the National High Magnetic Field Laboratory in Tallahassee, Florida. He moved to Penn State as Professor of Chemistry in 2017. He has published over 100 peer-reviewed scientific papers and presented over 300 lectures on the coherence and spin properties of molecules and materials.

He received the Coblentz Award in Spectroscopy and the Young Investigator Award of the Inter-American Photochemical Society. He is also recipient of CAREER awards from the United States National Science Foundation and Department of Defense. He is an elected fellow of the American Association for the Advancement of Science and Optica (formerly Optical Society of America).

Centre of Excellence

Looking ahead, Delta Gold is creating an ecosystem of quantum research that spans the globe, connecting leading academic institutions and researchers in a collaborative framework that accelerates fundamental discoveries and technology development.

The company plans to build on the U of T and Penn State relationships by establishing further agreements with other universities, creating a collaborative centre of excellence in quantum physics and computing research.

This academic ecosystem approach not only strengthens the scientific foundation of Delta Gold's intellectual property ambitions but also positions the company at the heart of a dynamic, international network of academic excellence, fostering innovation that could unlock transformative advancements in scalable, stable qubit technologies.



**Provisional
Patents Filed**

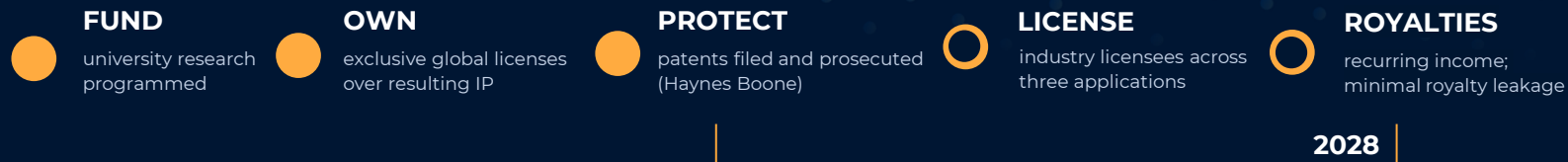
1

**Full Patent
Applications**

3

The Path to Revenue — Owning and Licensing the IP

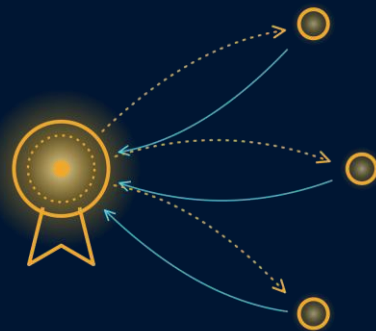
Complete ●
Target ○



Royalty economics already secured

98.5% retained on University of Toronto-licensed sales — 1.5% royalty to the university, no threshold

99% retained on cumulative Penn State-licensed sales over US\$20m - 100% of sales retained under US\$20m



Milestones that unlock current value

Patents granted (applications in examination; further filings planned 2027), expanding patent portfolio has been shown to accrue value) → **working prototypes** (research advancing ahead of schedule at both universities) → **first licensees** (chip makers, hardware manufacturers, data centers, sensing and network vendors, licensing provides further value recognition).

The Industries Driving Demand for Quantum IP

Projected revenue uplift and cost savings from quantum computing, by industry — US\$ billion, 2035

\$2.7tn

Upper end of McKinsey's total estimate of the value quantum computing could create for companies by 2035

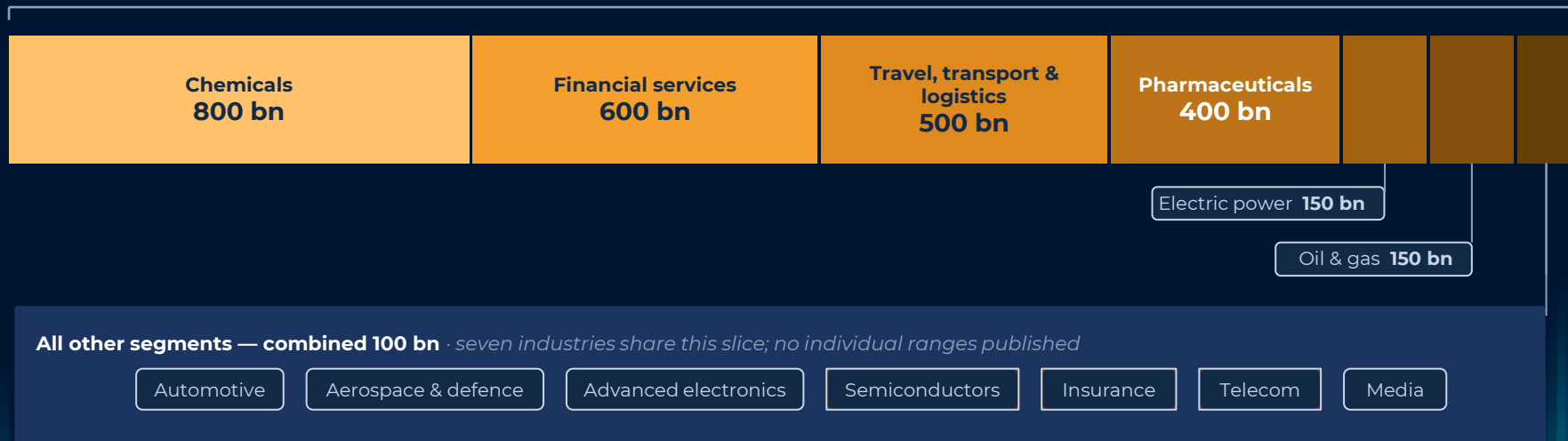


Chart redrawn by Delta Gold from data in: McKinsey & Company, Quantum Technology Monitor 2026 (Oxford Economics; McKinsey analysis). Bar shows the upper end of each industry's published range (lower-end total \$1,280bn); value defined as absolute impact on revenue and cost savings by 2035. Estimates are approximate and overlap with the impact of generative AI, so segments are indicative rather than strictly additive. 'All other segments' = advanced industries, insurance, telecom and media combined.

Board of Directors

CEO R. Michael Jones

Michael is a professional engineer, University of Toronto, 1985. He has a over 40-year career in company founding and taking them public up to \$1 B in market capitalisation. He founded a company in a University alliance that developed technology using platinum group elements, filed patents and formed alliances and that technology is now in commercialisation.

Non-Executive Chairman Mark Burnett

Mark is a Director of Mining Investments at a leading mining specialist investor in London, with over 10 years' investing and corporate finance experience in North America, South America, Australia and Africa. Working across a number of extractive industries including copper, precious metals and lithium. MPhil from University of Oxford and an Officer in the British Armed Force.

Executive Director Jamie Tosh

Jamie is an accomplished Project Manager and Operations Executive with 20+ years experience and held senior management positions across the UK, Australia, Africa, and Canada, playing a pivotal role in the foundation, restructuring, and operational management of private and publicly listed companies. James holds a Diploma in Corporate Governance.

Non-Executive Director Adam Monaco

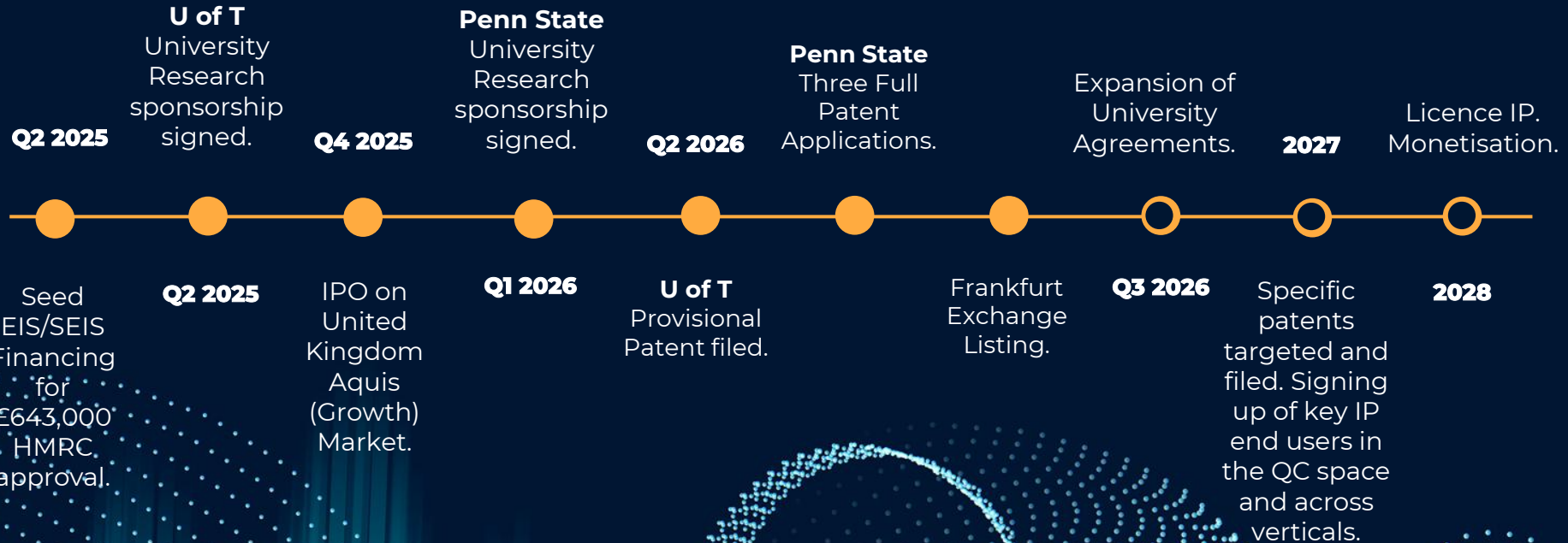
Adam is a member of the Chartered Accountants of Australia & New Zealand with over 10 years of professional experience. He began his career in audit and assurance with RSM Australia, specialising in SMEs across a range of industries including mining, manufacturing, and biotech. After relocating to the UK, Adam focused on supporting high-growth, VC-backed technology start-ups, to deliver practical solutions to complex financial and operational challenges.

Non-Executive Director Patrick Severide

Patrick is a technology executive with experience spanning corporate law and senior operating roles in high-growth technology companies. He has led commercial initiatives across enterprise software and legal AI, with a focus on scaling businesses and driving growth. Patrick began his career as a corporate lawyer with Blake, Cassels & Graydon LLP, advising on M&A and capital markets transactions. He holds a Juris Doctor from the University of British Columbia and an Honors in Business Administration from Ivey Business School.

Timeline

Complete ●
Target ○



Thank You!

If you have questions please reach out:

Mary Jones

t: 020 3576 6742

@: mpj@deltagoldtech.com

