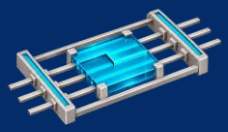
INSIGHTS 2040 ANNUAL MEETINGS | 16-17 Nov 2026 Singapore

THEMATIC PRIMER



Preparing finance for the quantum era

PREPARING FINANCE FOR THE QUANTUM ERA

16–17 November 2026 | Sands Expo & Convention Centre, Singapore | Three roundtables

WHY THIS MATTERS NOW

Quantum computing presents finance with two unresolved realities at once. It is already being tested in practical use, in portfolio optimisation, risk management and derivative pricing, while also posing a longer-term security threat: once quantum computers mature, they will be able to break the cryptography most financial infrastructure relies on today. Neither strand is settled, and the industry is working on both in parallel.

On the pilots side, progress has relied on open collaboration between banks, regulators and technology providers, collaboration that gets harder to sustain once applications carry commercial value. On the security side, migration to quantum-safe cryptography takes years and has to start well before the threat fully arrives. More than 25 GFIN financial regulators have joined Project Otto to measure their own readiness across both halves of this challenge.

THREE THEMES ACROSS THE SESSIONS

Three roundtables take up these questions. Three themes recur across them. The schedule overleaf shows where each one is discussed.

1 Early pilots, and a window to collaborate before it closes

Experiments in portfolio optimisation, risk management and derivative pricing are surfacing concrete issues of interoperability, cost and performance. Firms, technology providers and regulators can still tackle these shared challenges together, before commercial advantage pulls incentives apart and makes the same coordination harder.

> **Question:** *How can jurisdictions support national innovation and competitiveness without fragmenting the global financial system?*

2 Turning regulatory maturity assessment into action

Project Otto gives regulators a shared way to measure maturity across quantum security and innovation, based on what they say, what they do and how they engage with industry. The harder task is deciding which of those actions actually move the needle.

> **Question:** *Can a small number of regulatory actions drive disproportionate improvements in quantum maturity and sectoral readiness?*

3 Preparing for a threat that hasn't fully arrived

Quantum computing will eventually break the cryptography most financial infrastructure relies on. Under harvest-now-decrypt-later, data taken today can be read once quantum computers mature, and migration starts with an inventory of the data and applications that run critical functions. Cross-border groups face the hardest choice: migrate market by market, or group-wide.

> **Question:** *Who owns readiness for risks that have not fully arrived: the institution, its technology providers or the supervisor?*

IN NUMBERS

US$12.6BN

Invested in quantum start-ups in 2025, over six times the 2024 level.

Source: McKinsey, April 2026

300+

Organisations collaborating with quantum technology companies on business problems. A third of firms engaging with quantum spent over US$10mn on it in 2025.

Source: McKinsey, April 2026

13,000X

How much faster a Google quantum computer ran a physics simulation than a leading supercomputer, in 2025. The task was scientific, not financial.

Source: Google, Nature, October 2025

2030–32

Window in which the G7 Cyber Expert Group suggests migrating the most critical financial systems to quantum-safe cryptography. Around 2035 for the rest.

Source: G7 Cyber Expert Group, January 2026

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SESSIONS ON THIS THEME

Preparing Finance for the Quantum Era | 16–17 November 2026

MONDAY 16 NOVEMBER

TIME	SESSION	THEMES	ROOM
10.00–11.30am	**Preparing for the Quantum Advantage: Lessons Learnt from Early Experimentation and Pilots** What early quantum pilots have taught the industry, and what the next phase should prioritise.	1	Room 3

TUESDAY 17 NOVEMBER

TIME	SESSION	THEMES	ROOM
11.45am–1.15pm	**GFIN Project Otto Launch: Building Regulatory Maturity in Quantum Security & Innovation** Launching a toolkit to measure regulatory maturity on quantum, and what to prioritise next.	2	Room 4
3.30–5.00pm	**Strengthening Financial System Resilience Against Emerging Risks, From Quantum to Frontier Models** Gaps in how the industry prepares for frontier AI and quantum risks.	3	Room 2

Themes: 1 Early pilots, and a window to collaborate before it closes 2 Turning regulatory maturity assessment into action 3 Preparing for a threat that hasn't fully arrived

All sessions take place in the Roundtable Rooms at Sands Expo & Convention Centre, Level 5, Singapore. Times are Singapore time.

Sources. BIS Papers No 149, October 2024. ESMA, "Quantum Computing in Financial Markets", TRV Risk Analysis, May 2026. McKinsey, Quantum Technology Monitor 2026, April 2026. Google Quantum AI, Nature, October 2025. GFIN, Project Otto Toolkit, launched November 2026. GFTN, Point Zero Forum 2026 discussions.

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