SITG-Consulting

Strategy | Intelligence | Technology | Growth

Global Capabilities Brochure

2026

Quantum Risk · Regulatory Transformation · Board-Level Advisory

Authority without evidence is narrative. Evidence without authority is ignored. We provide both.

info@sitg-consulting.com
+66 972 176 658

About SITG-Consulting

Founded in 1999. UK-headquartered. Global delivery.

Brian Couzens, Founder & CEO

Forensic strategist, transformation leader, and global PQC thought leader. Brian leads SITG-Consulting's work across quantum risk, cryptographic governance, regulatory transformation, and board advisory.

His career spans critical sectors: financial services, healthcare, energy and critical infrastructure, telecoms, and central government. He specialises in environments where failure is systemic rather than local, where governance gaps, cryptographic drift, stalled programmes, or data failures can cascade across national infrastructure.

Selected Outcomes

- Enterprise transformation: scalable governance and control frameworks across banking, payments, and regulated crypto infrastructure.
- Data and reporting: BCBS239 and GDPR remediation with data-lineage solutions improving reporting accuracy and traceability.
- Financial-crime remediation: investigations and remediation programmes coordinating technical tracing, legal handoffs, and operational fixes.
- Cryptology and key management: cryptographic control and key-lifecycle roadmaps to strengthen encryption and accelerate quantum readiness.
- Programme rescue: recovered delivery on failing initiatives through governance redesign, PMO establishment, and disciplined execution.
- Board and regulator advisory: SOX methodology for Shell International, Basel/BCBS239 frameworks, quantum risk strategy, and measurable KPIs.

Published Thought Leadership

Brian Couzens has authored six white papers on quantum risk, PQC governance, CBOM frameworks, and cryptographic transformation to date, with further publications scheduled for 2026 including the SITG-Consulting Governance Model for Cryptographic Transformation.

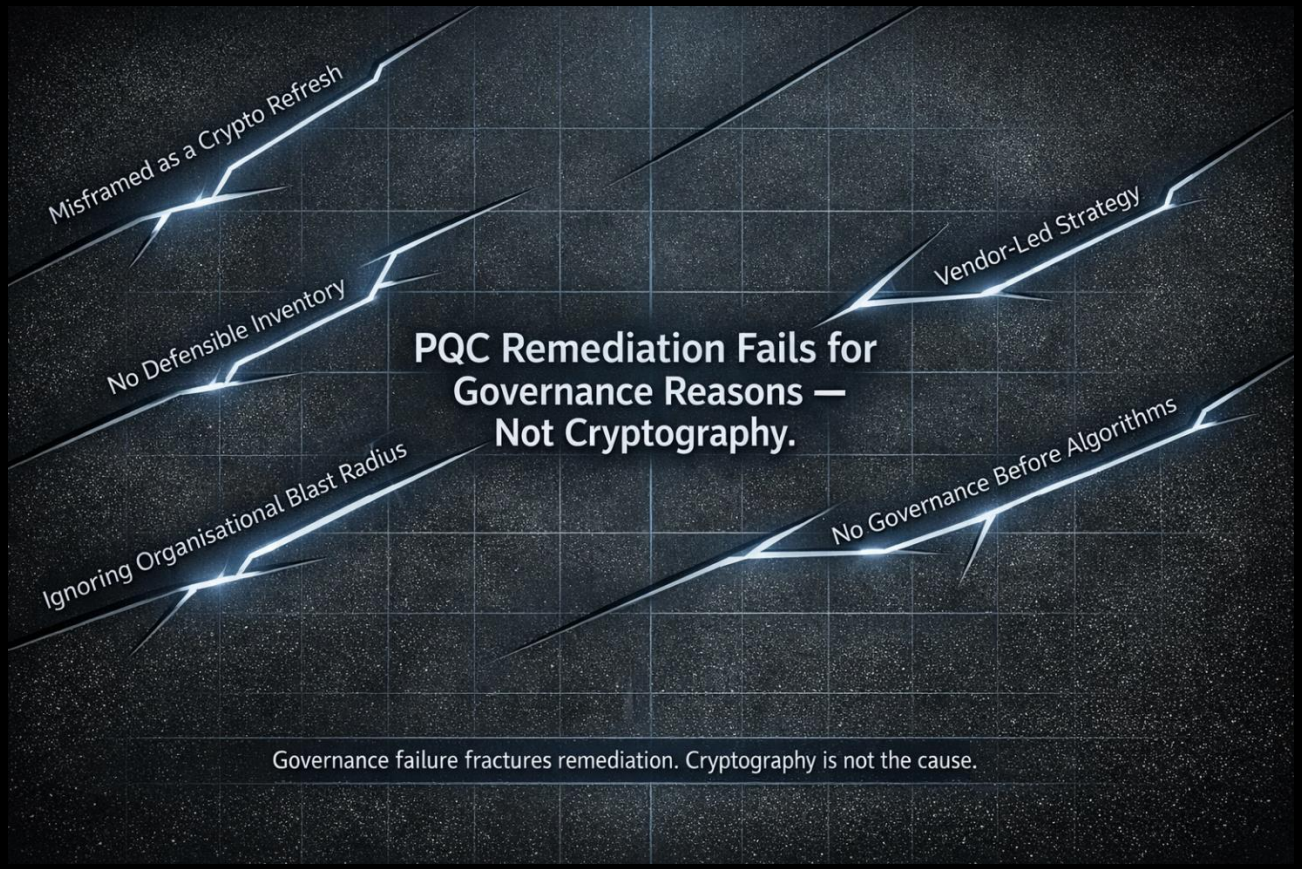
He has also jointly authored papers by invitation with esteemed professionals and professors in the quantum and cryptographic governance field. Joint authorship by invitation is rare in this industry and reflects the depth and credibility of the SITG-Consulting research position.

Independence

> *SITG-Consulting holds no equity stakes in clients and maintains no vendor partnerships that compromise objectivity. Independence is not a positioning statement. It is the structural condition that makes validation commercially valuable.*

SITG-Consulting's approach is forensic: expose blind spots, challenge assumptions, and engineer outcomes that stand up to scrutiny. Our core focus areas include transformation and governance, PQC discovery and cryptographic governance, independent and technical validation, and quantum-era operating models and resilience.

The Problem With PQC Programmes

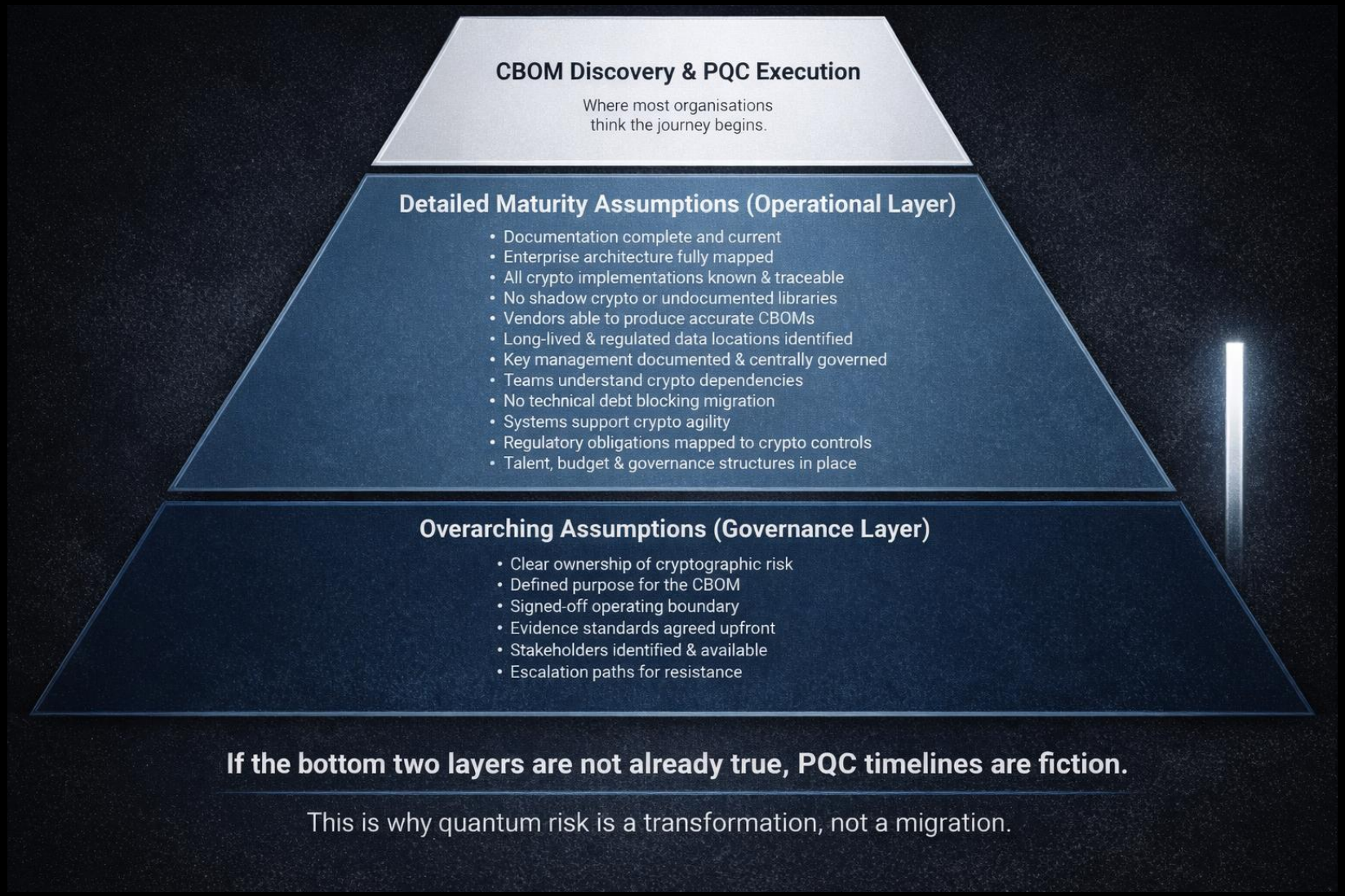


Most PQC programmes fail for a simple reason: they focus on cryptography, not control.
Organisations are investing in algorithms, pilots, and vendor tooling without establishing control environments capable of surviving transition.

The result:

- Fragmented cryptographic inventories.
- No defensible CBOM.
- Vendor dependency without governance.
- Inability to evidence readiness to regulators or boards.

Most organisations are not failing due to lack of strategy. They are failing due to lack of control.

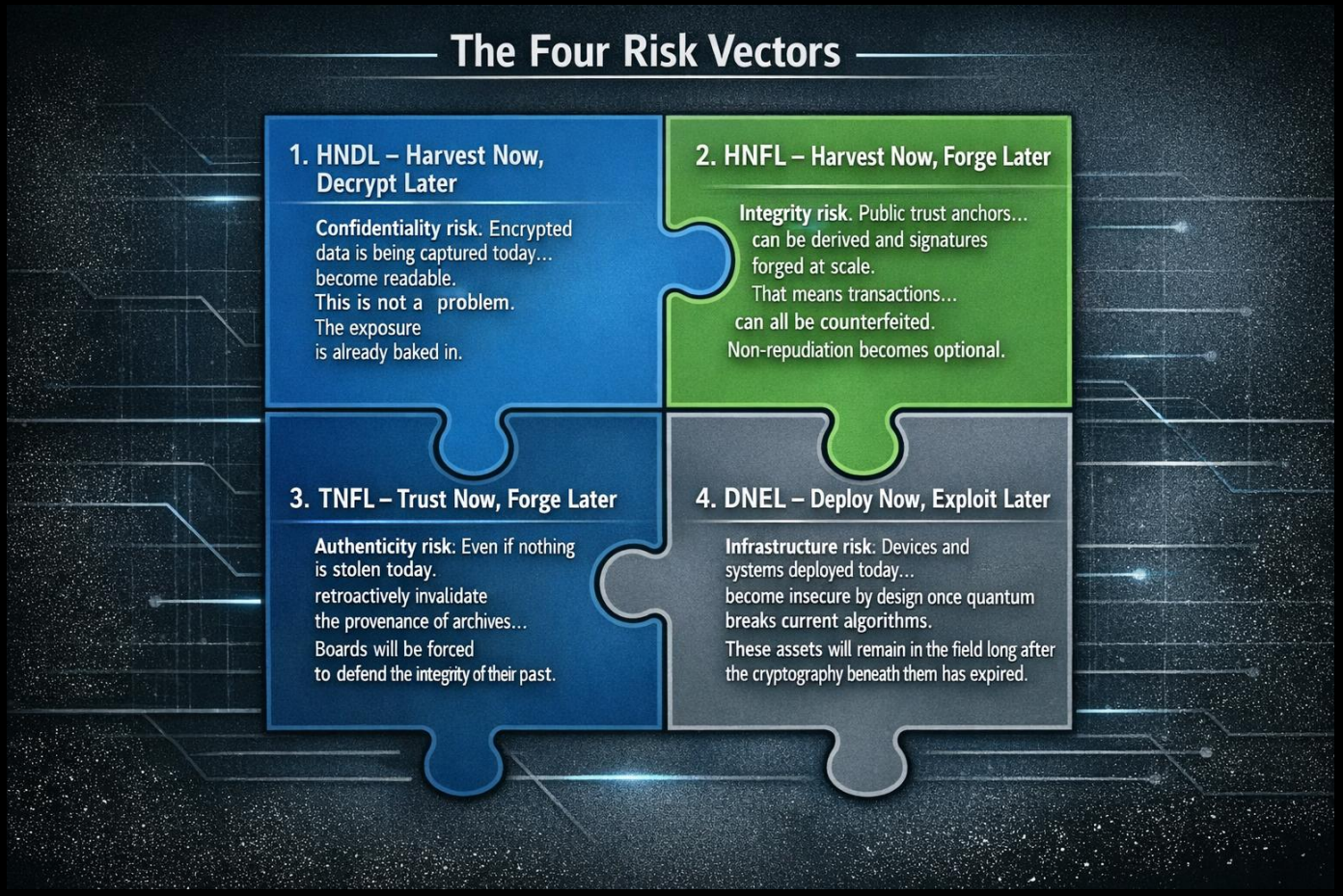


The result is transformation programmes that appear to advance but do not establish control.

The Four Risk Vectors

This visual breakdown isolates the four primary channels of **post-quantum exposure**, clarifying why immediate mitigation is required to protect long-term data archives and physical infrastructure. SITG-Consulting provides the forensic strategy and technical frameworks required to **mitigate these risk vectors today**, ensuring your organisation's long-term data integrity and infrastructure resilience.

SITG-Consulting assists you in mitigating these risks before they materialise.

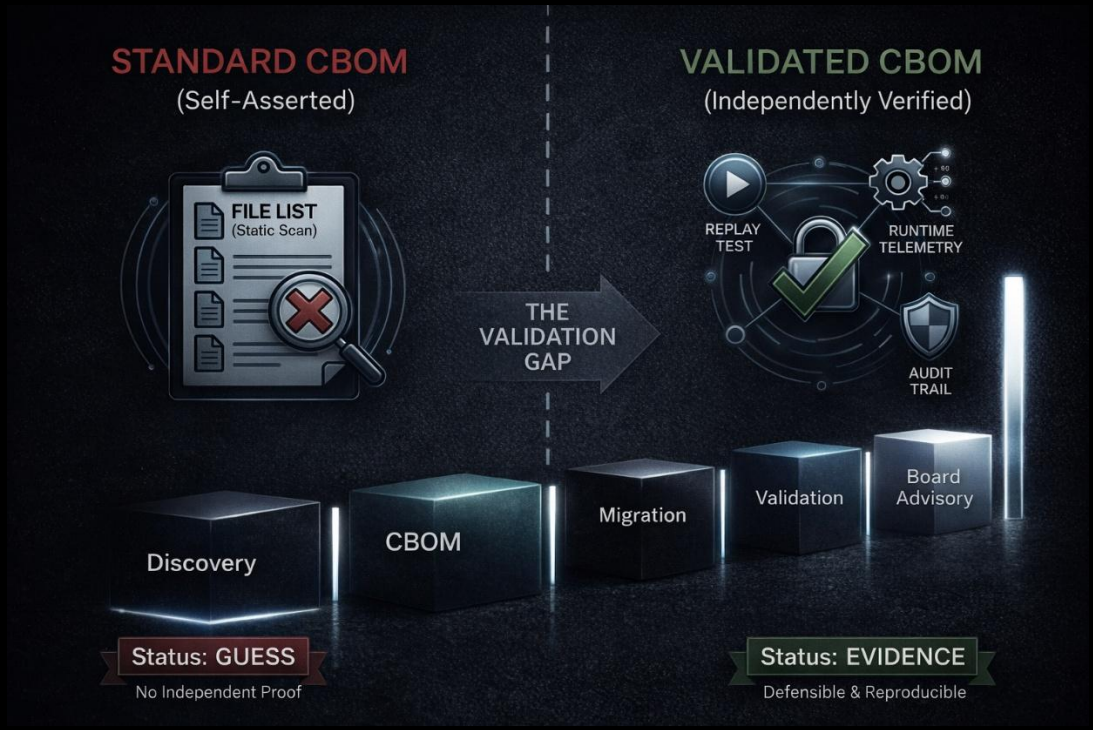


Why SITG-Consulting

Most organisations do not lack frameworks. They lack controlled execution. Across the market, post-quantum cryptographic programmes are delivered as advisory or phased initiatives. These approaches establish direction. They do not establish control.

SITG-Consulting establishes control.

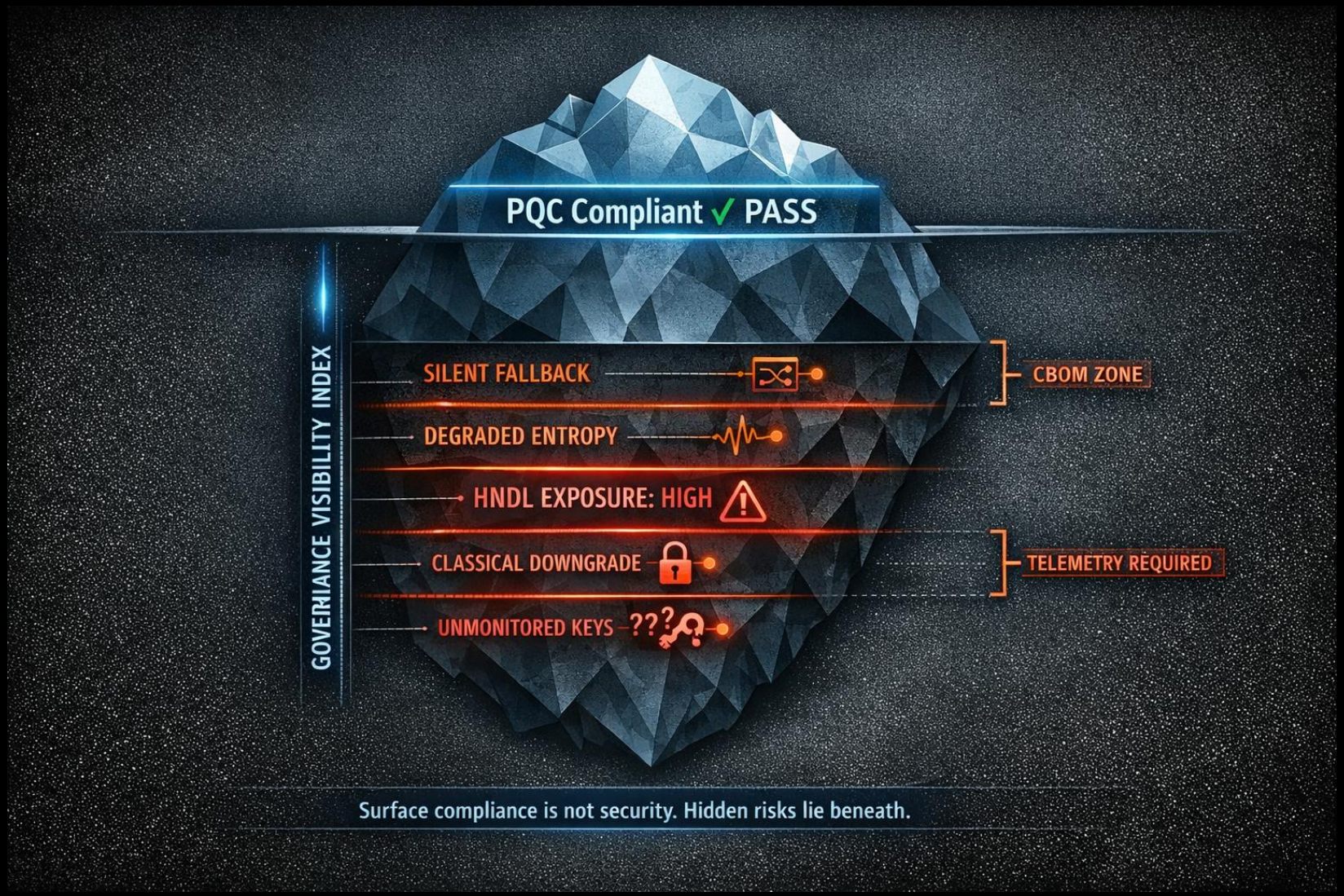
The Validation Gap



Model Distinction

SITG-Consulting	Conventional
Continuous CBOM	Static inventories
Governed execution	Advisory frameworks
Gated advancement	Phase progression
Evidence of control	Documentation

If cryptographic state cannot be observed, it cannot be governed.
If control cannot be demonstrated, it cannot be considered established.



Services Offered

SITG-Consulting delivers controlled execution across quantum risk, regulatory transformation, and enterprise governance. Each engagement produces verifiable outcomes, not advisory outputs.

Quantum Risk Diagnostics
Forensic readiness reviews and survival strategies, mapping exposures to HNDL threats and CRQC timelines.

Programme Rescue & Turnaround
Recovery of failing transformation initiatives across banks, insurers, governments, healthcare, and travel/tourism.

Digitization Mandates
Advisory on regulatory digitization requirements, covering cloud migration, open banking APIs, and DORA/MAS resilience.

Board Readiness Briefings
Tailored sessions for directors and executives, framing liability, solvency, and regulatory risk in board-ready language.

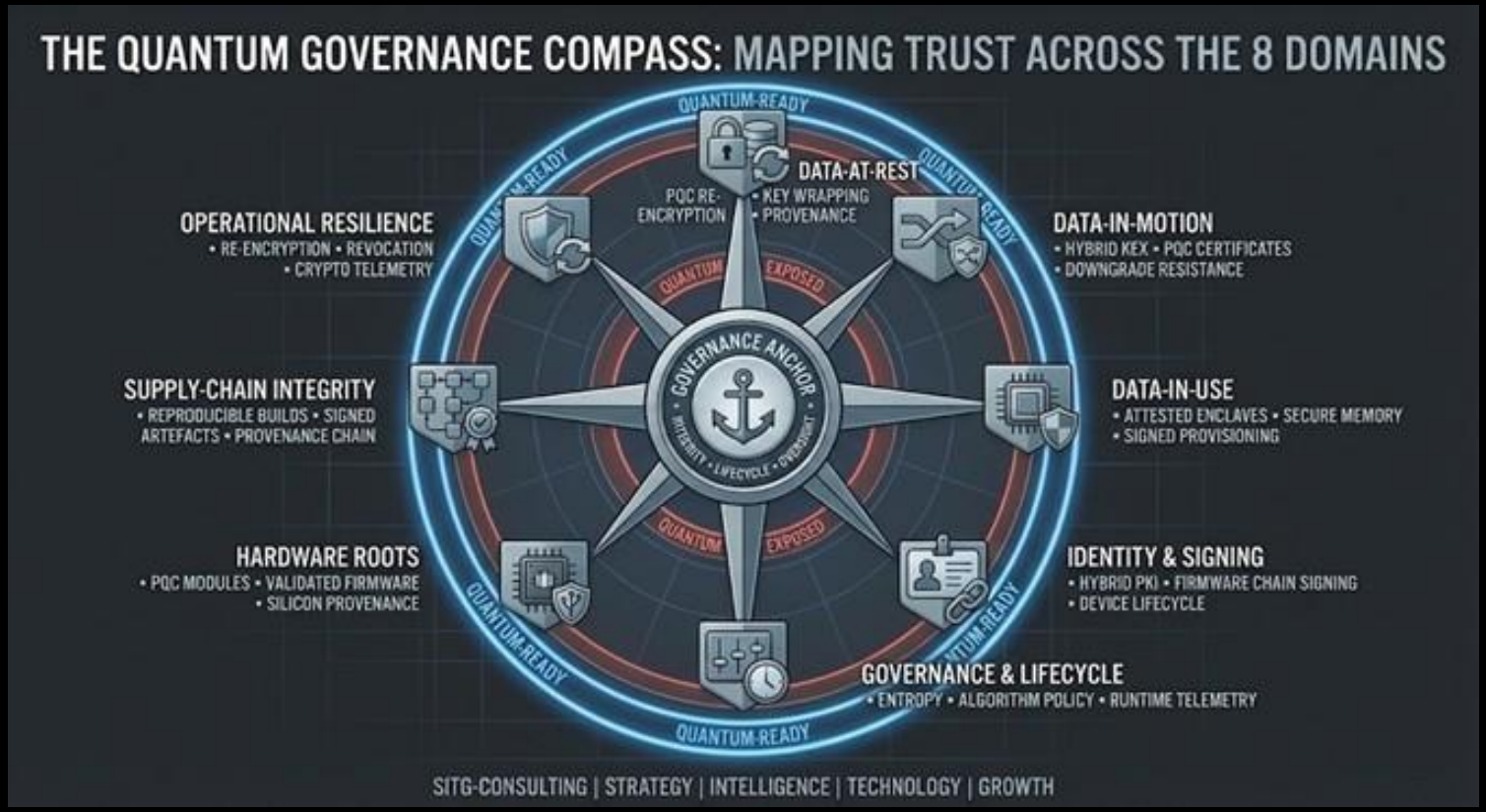
Cloud & Data Governance
Migration, remediation, and audit-ready frameworks for AWS, Azure, and GCP, embedding governance into infrastructure.

NIS2 Readiness
Forensic audits and compliance frameworks aligned to the EU NIS2 Directive, ensuring operational resilience and regulatory fit.

Regulatory Transformation Audits
Basel, BCBS239, Solvency II, FCC, ERM compliance reviews exposing systemic gaps and aligning governance.

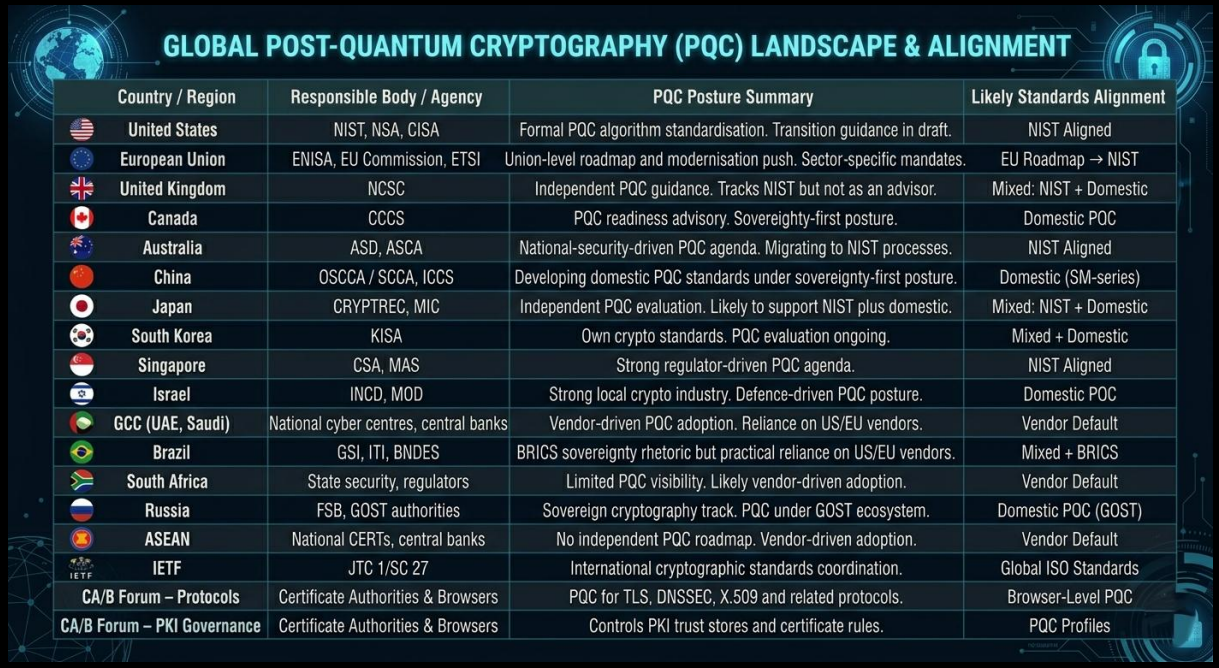
ESG Data & Analytics
Integration of climate, diversity, and sustainability metrics into board reporting, aligned with OECD, ISSB, EU Taxonomy.

Strategic Publications & Advisory
White papers, rebuttals, and board-level communication assets for regulatory submissions and investor briefings.



Sector Focus

SITG-Consulting operates across sectors where cryptographic failure carries systemic, fiduciary, or national-security consequences.



GLOBAL POST-QUANTUM CRYPTOGRAPHY (PQC) LANDSCAPE & ALIGNMENT

Country / Region	Responsible Body / Agency	PQC Posture Summary	Likely Standards Alignment
United States	NIST, NSA, CISA	Formal PQC algorithm standardisation. Transition guidance in draft.	NIST Aligned
European Union	ENISA, EU Commission, ETSI	Union-level roadmap and modernisation push. Sector-specific mandates.	EU Roadmap → NIST
United Kingdom	NCSC	Independent PQC guidance. Tracks NIST but not as an advisor.	Mixed: NIST + Domestic
Canada	CCCS	PQC readiness advisory. Sovereighty-first posture.	Domestic POC
Australia	ASD, ASCA	National-security-driven PQC agenda. Migrating to NIST processes.	NIST Aligned
China	OSCCA / SCCA, ICCS	Developing domestic PQC standards under sovereignty-first posture.	Domestic (SM-series)
Japan	CRYPTREC, MIC	Independent PQC evaluation. Likely to support NIST plus domestic.	Mixed: NIST + Domestic
South Korea	KISA	Own crypto standards. PQC evaluation ongoing.	Mixed + Domestic
Singapore	CSA, MAS	Strong regulator-driven PQC agenda.	NIST Aligned
Israel	INCD, MOD	Strong local crypto industry. Defence-driven PQC posture.	Domestic POC
GCC (UAE, Saudi)	National cyber centres, central banks	Vendor-driven PQC adoption. Reliance on US/EU vendors.	Vendor Default
Brazil	GSI, ITI, BNDES	BRICS sovereignty rhetoric but practical reliance on US/EU vendors.	Mixed + BRICS
South Africa	State security, regulators	Limited PQC visibility. Likely vendor-driven adoption.	Vendor Default
Russia	FSB, GOST authorities	Sovereign cryptography track. PQC under GOST ecosystem.	Domestic POC (GOST)
ASEAN	National CERTs, central banks	No independent PQC roadmap. Vendor-driven adoption.	Vendor Default
IETF	JTC 1/SC 27	International cryptographic standards coordination.	Global ISO Standards
CA/B Forum – Protocols	Certificate Authorities & Browsers	PQC for TLS, DNSSEC, X.509 and related protocols.	Browser-Level PQC
CA/B Forum – PKI Governance	Certificate Authorities & Browsers	Controls PKI trust stores and certificate rules.	PQC Profiles

Financial Services

AML/KYC remediation, sanctions benchmarking, Basel IV alignment, BCBS239 data lineage, DORA operational resilience, and solvency-aligned quantum risk governance.

Healthcare

Clinical systems safety, data governance, compliance frameworks, and cryptographic controls for patient data and connected medical devices.

Energy & Critical Infrastructure

Operational resilience, SCADA/OT security governance, regulatory alignment, and cryptographic estate mapping for assets with 20+ year lifespans.

Telecoms

Network transformation, security governance, platform modernisation, and PQC readiness for 5G and core infrastructure.

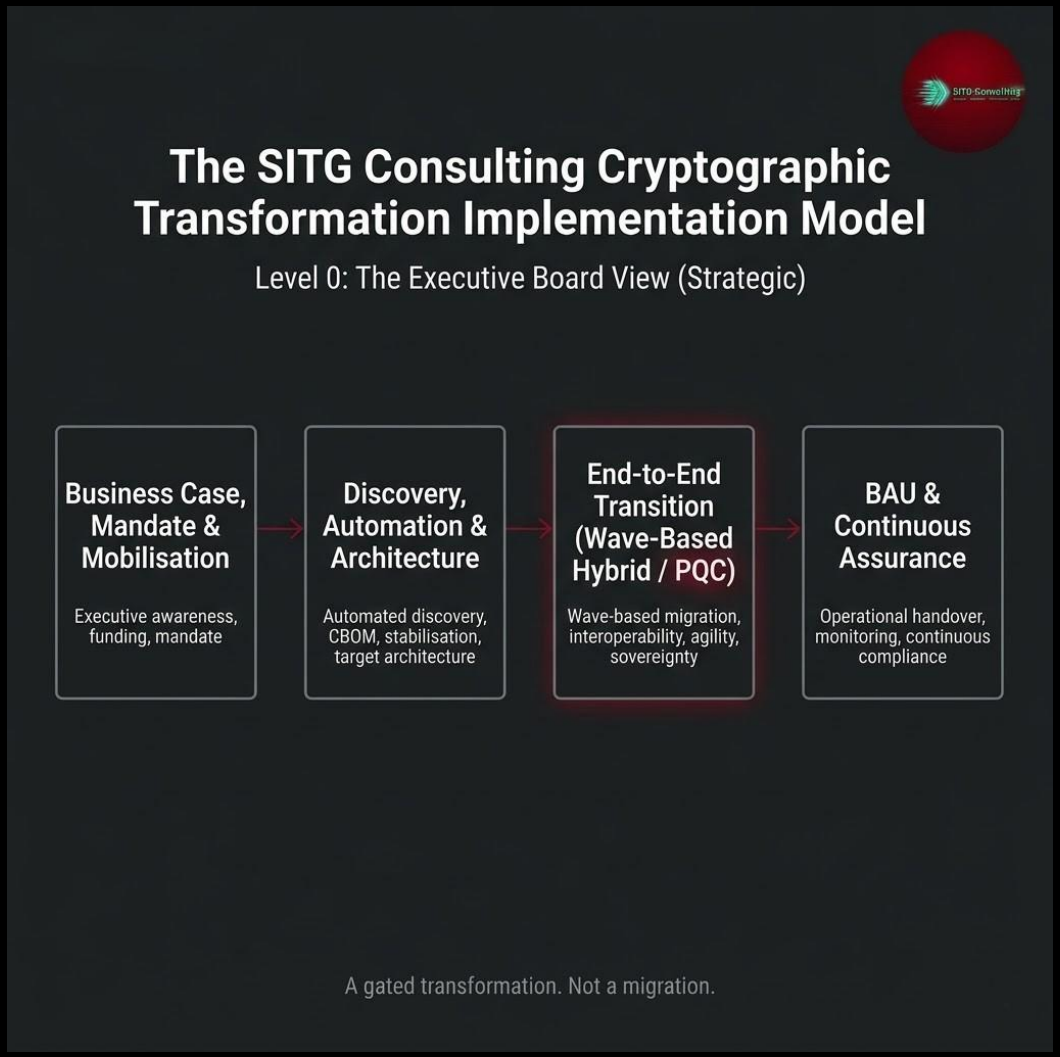
Government

Policy-aligned transformation, national-scale delivery assurance, sovereign PQC alignment, and cross-departmental governance.

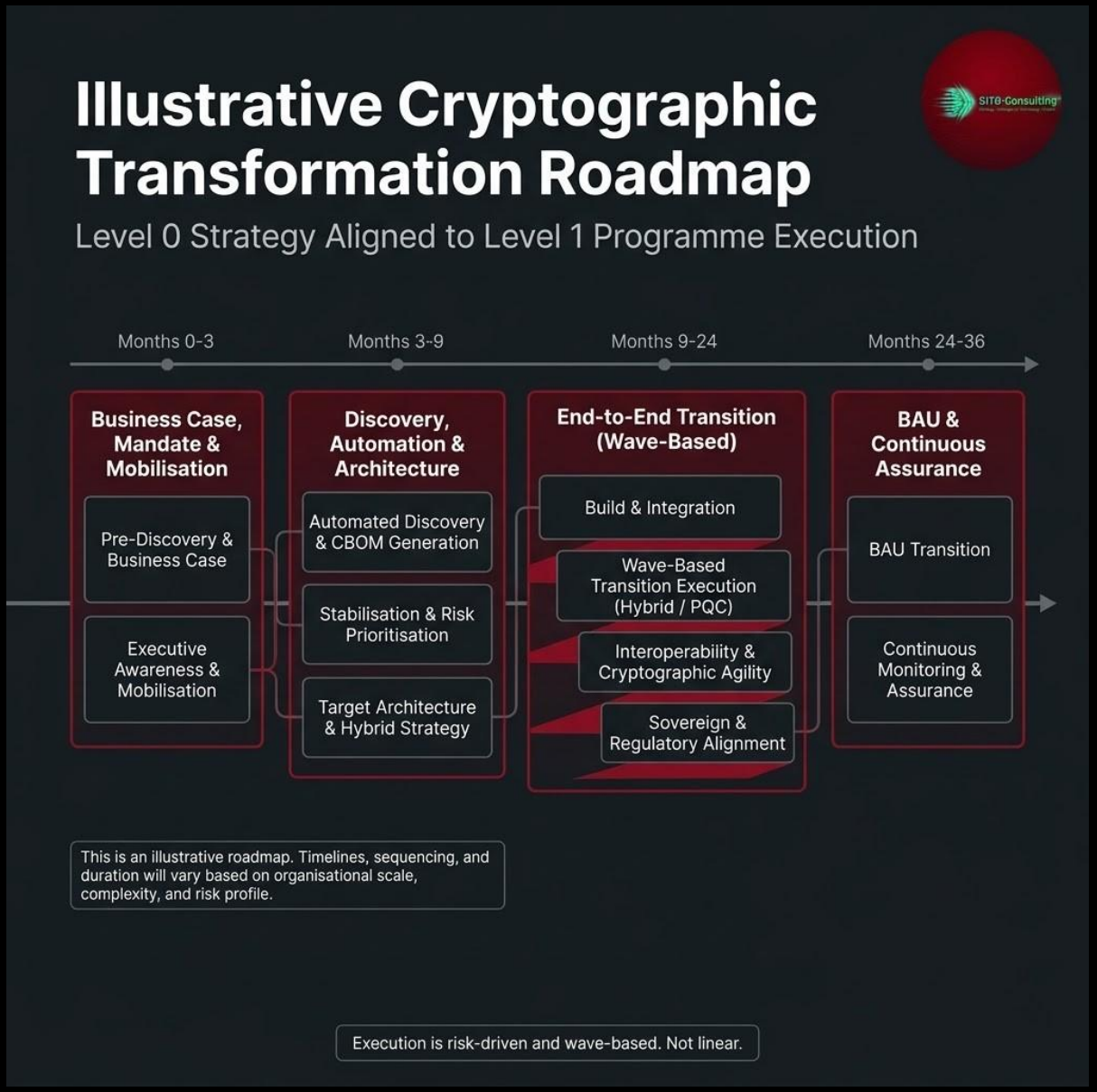
The SITG-Consulting Cryptographic Transformation Implementation Model

A controlled, gated, multi-layered transformation model spanning strategic, tactical, engineering, and operational domains. This is not a migration. Progression is contingent on validated outputs at each stage.

Level 0: The Executive Board View (Strategic)

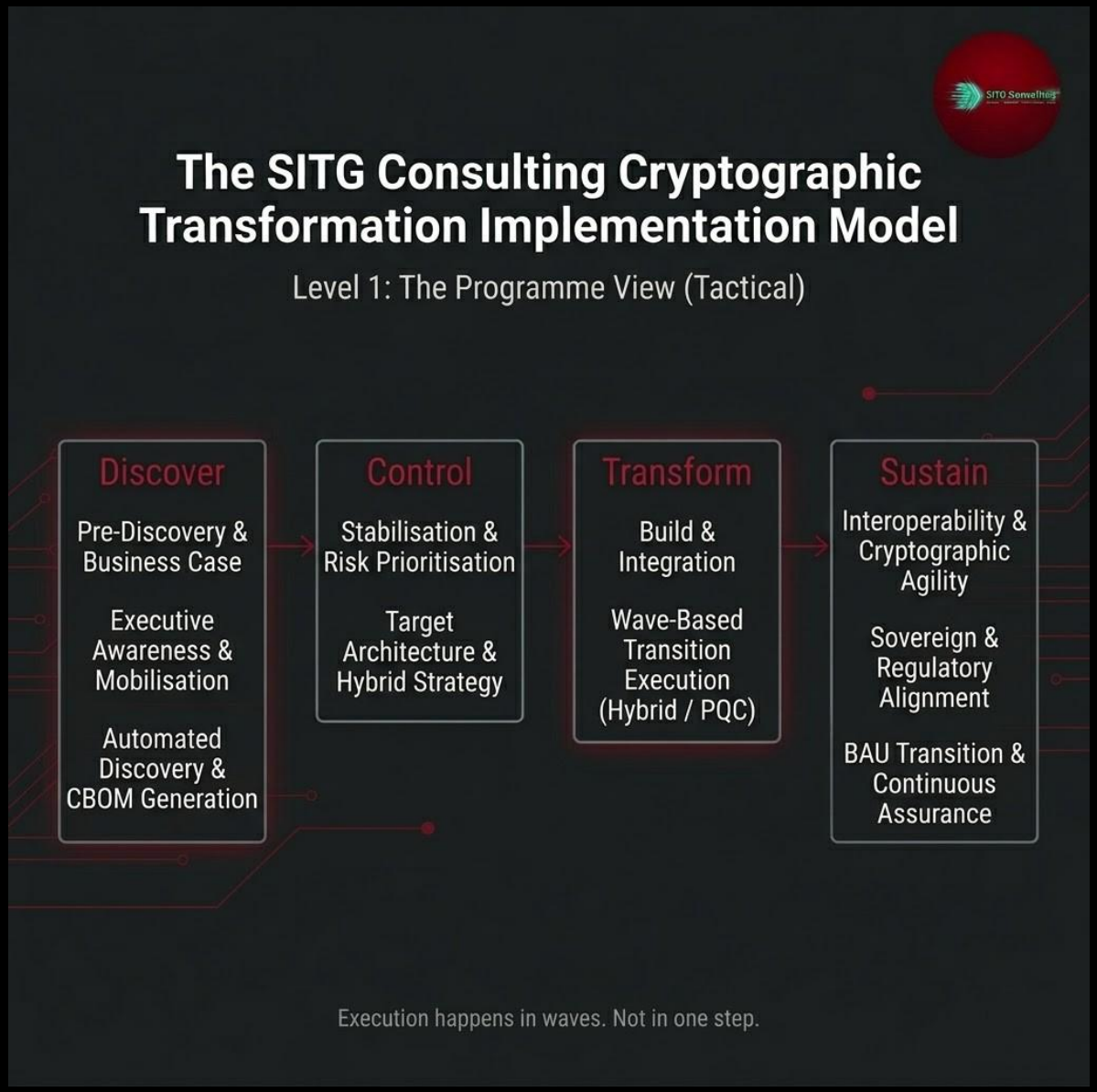


Illustrative Transformation Roadmap



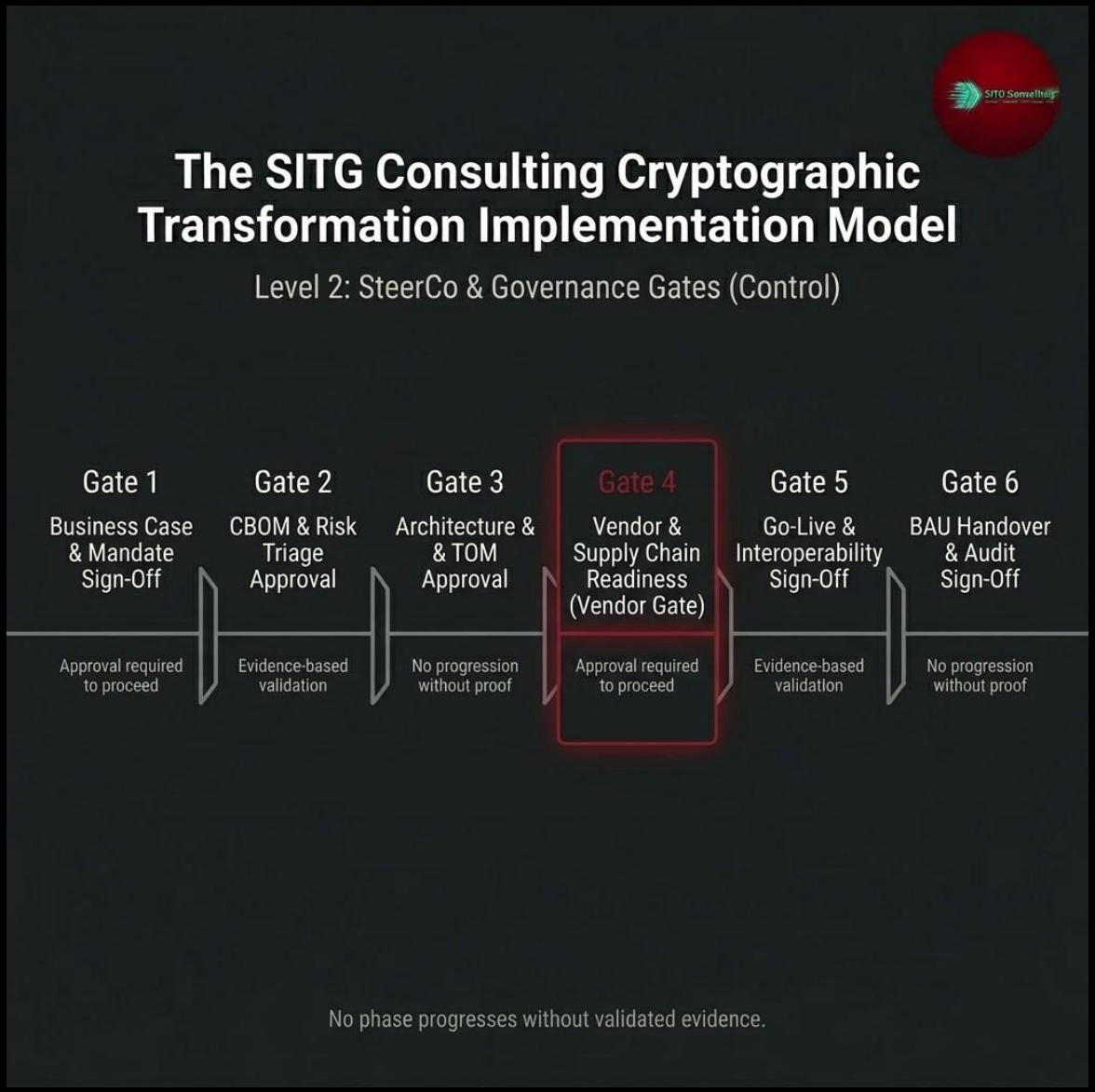
Level 1: The Programme View (Tactical)

Discover > Control > Transform > Sustain

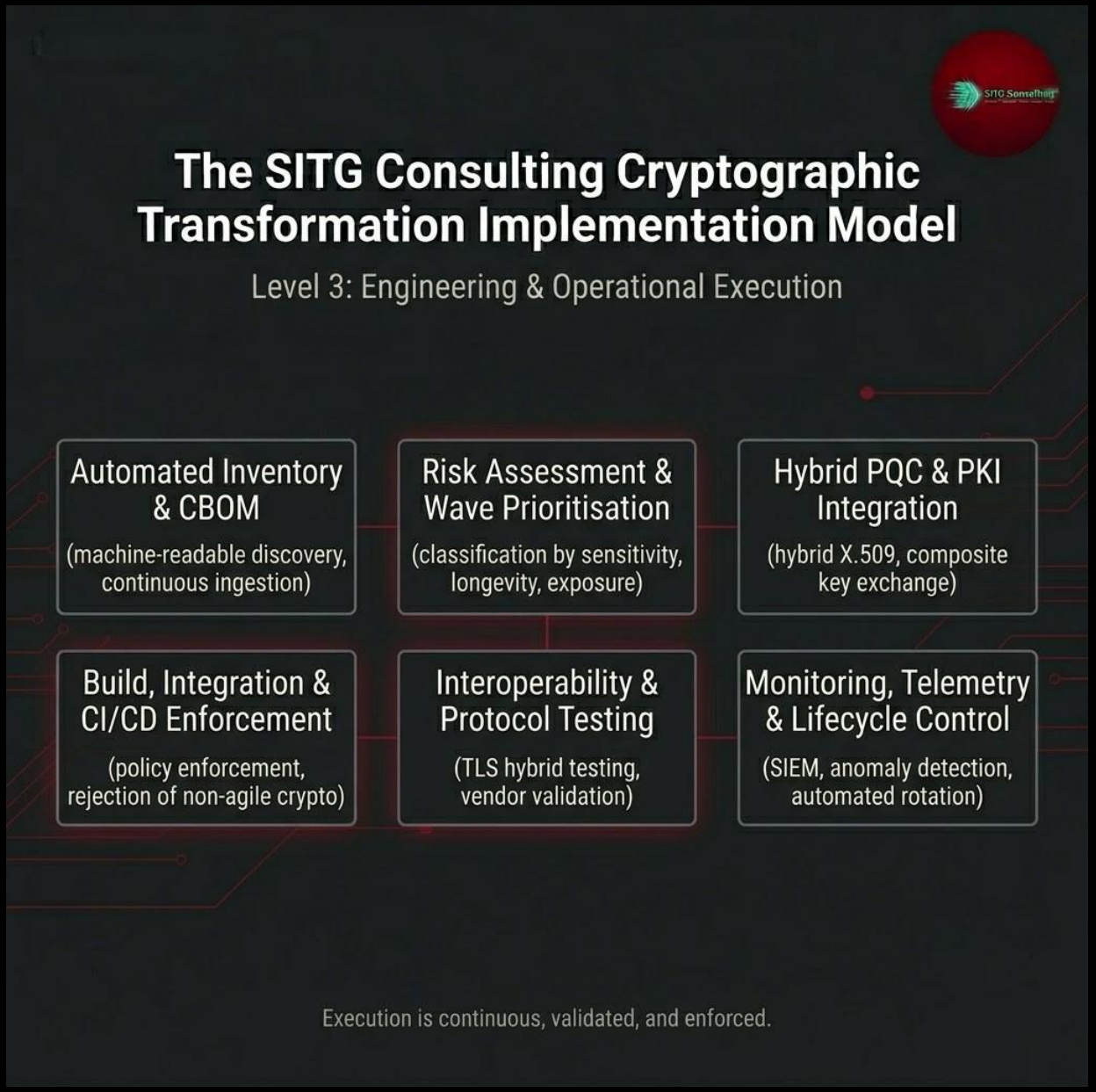


Level 2: SteerCo & Governance Gates (Control)

No phase progresses without validated evidence.

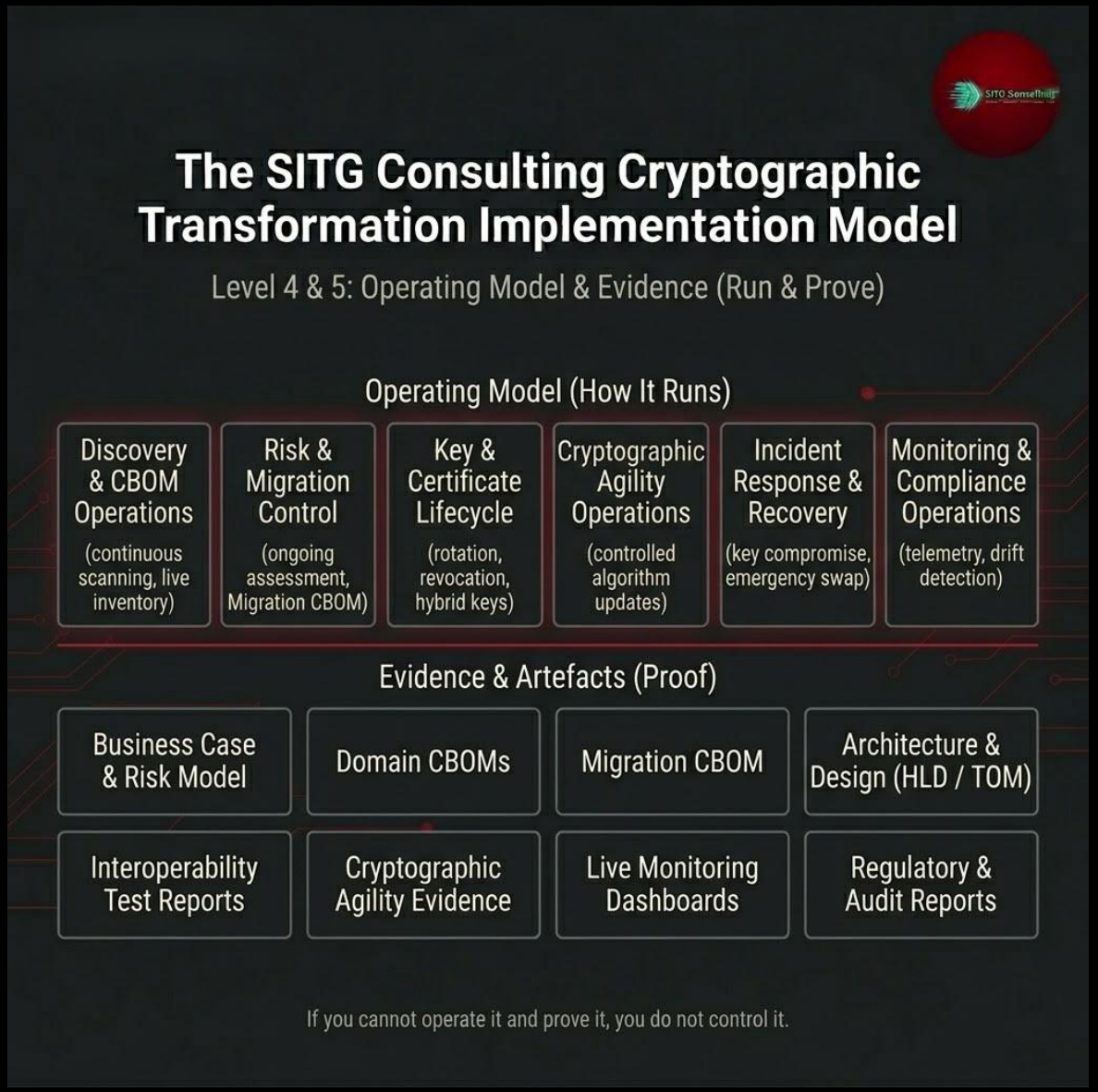


Level 3: Engineering & Operational Execution



Level 4 & 5: Operating Model & Evidence (Run & Prove)

If you cannot operate it and prove it, you do not control it.



Technical & Executive Communication

Most organisations fail at translation. Technical teams speak in implementation. Boards and regulators require evidence, risk framing, and control narratives.

SITG-Consulting produces high-authority written assets engineered for boards, regulators, and investors. Every deliverable is built for accuracy, defensibility, and operational consequence.

- Deep technical white papers on quantum risk, PQC migration, regulatory transformation, and enterprise resilience.
- Board-level briefing papers, fiduciary-risk memos, and solvency-aligned governance artefacts.
- Market-ready publications including industry rebuttals, position papers, and strategic narratives.
- Communication assets for transformation programmes, regulatory change initiatives, and investor disclosures.
- Forensic editing and reconstruction of existing materials to meet SITG-Consulting survival-grade standards.

Clarity is a control function.

Documentation is not treated as a communication exercise. It is treated as evidence.

The SITG-Consulting Bench: Expertise We Deploy

Capability is deployed in alignment with programme phase, risk state, and governance requirements. Roles are defined by their contribution to controlled execution and evidence production.

Board-Level Strategists Defining fiduciary liability, solvency risk, and governance mandates in decision-ready terms for board-level action.	**Regulatory Architects** Designing compliance methodologies aligned to SOX, Basel, and BCBS239, ensuring compliance is embedded within execution.	**Quantum Computing Experts** Translating advances in quantum computing into cryptographic risk models and PQC transition requirements.
Cryptography Engineers Implementing PQC standards (ML-KEM, ML-DSA, SLH-DSA)and hybrid cryptographic models while maintaining cryptographic agility.	**Risk Analysts** Establishing cryptographic visibility through CBOM and quantifying exposure across systems and dependencies.	**Cloud & Systems Engineers** Embedding cryptographic controls into enterprise architecture across AWS, Azure, and GCP environments.
Sector Specialists Applying sector-specific regulatory and operational requirements across financial services, healthcare, pensions, and government.	**AI Analysts** Applying AI to enhance cryptographic discovery, risk analysis, and to automate compliance evidence generation.	**Programme Managers** Governing multi-year migration programmes, enforcing execution against defined milestones and dependencies.
Audit & Assurance Leads Validating control effectiveness, CBOM integrity, and ensuring outputs are defensible under audit and regulatory scrutiny.	**Business Analysts** Translating regulatory and technical requirements into structured workflows aligned to execution and control.	**Testing & Validation Engineers** Stress-testing PQC implementations and validating operational resilience across systems and environments.

How We Engage

SITG-Consulting operates on a modular, gated engagement model. Clients select the modules relevant to their current state. Progression is earned through validated evidence, not assumed through timeline.

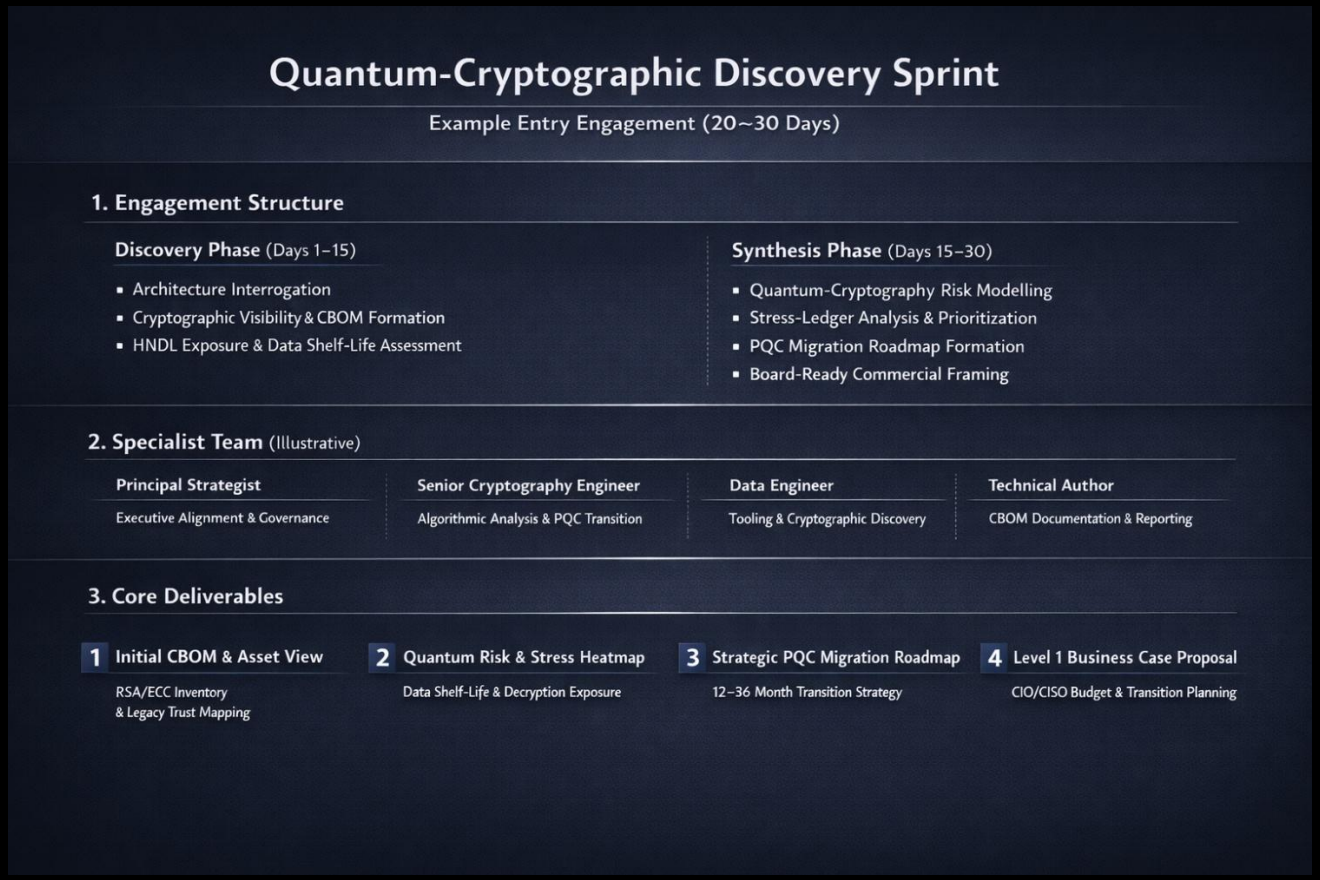
Engagement Pathway

- Scoping call to establish current cryptographic posture, regulatory exposure, and governance maturity.
- Module selection: clients choose from discovery, CBOM, governance alignment, migration, validation, or board advisory modules.
- Gated delivery: each module produces validated, auditable outputs before the next is initiated.
- Continuous assurance: post-migration monitoring, drift detection, and ongoing compliance evidence.

Quantum-Cryptographic Discovery Sprint

Example Entry Engagement (20–30 Days)

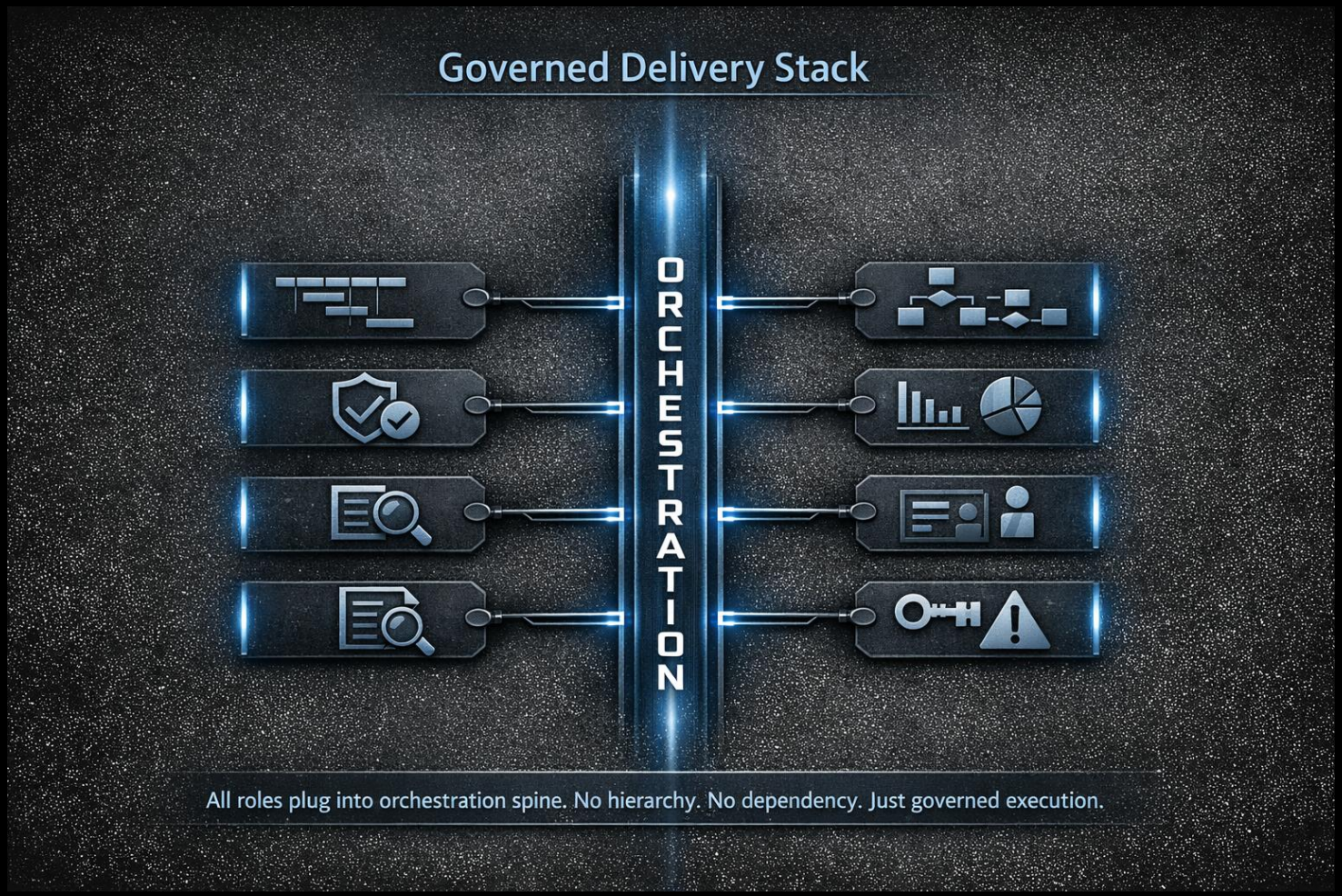
A structured, time-bounded diagnostic establishing cryptographic visibility, quantum exposure, and a defensible migration pathway.



This is an illustrative engagement model, not a fixed package.
SITG-Consulting calibrates each engagement to the client's regulatory exposure, architectural complexity, and governance maturity. A global enterprise, a regulated utility, and a mid-market organisation will each require materially different scope, team topology, and duration.

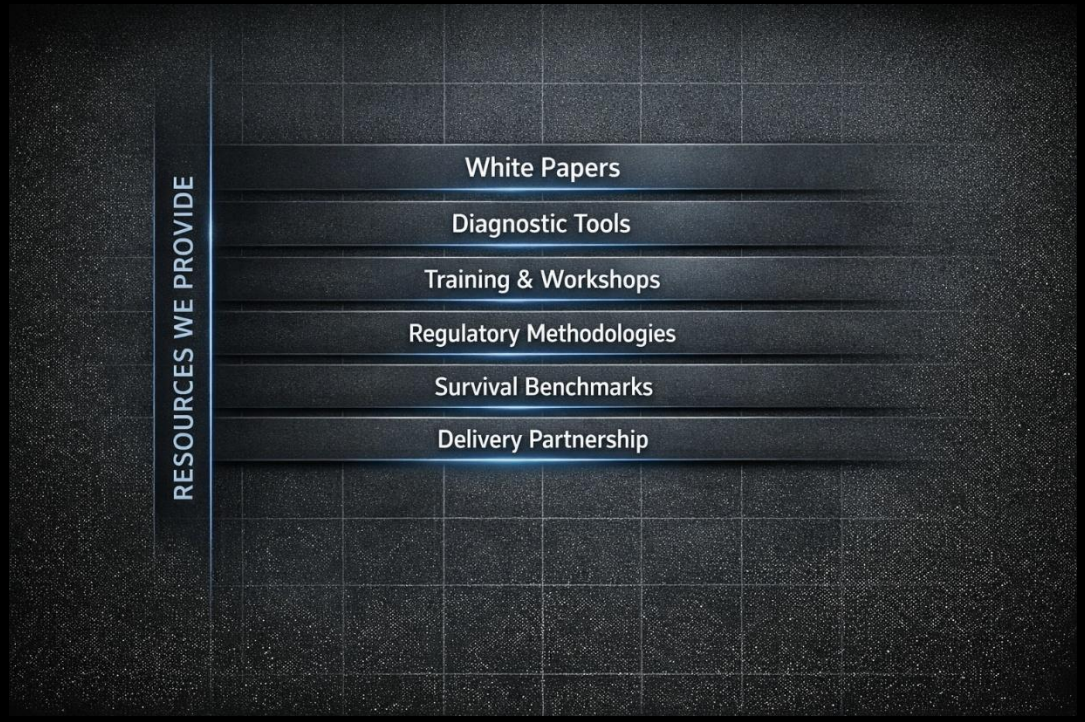
Delivery Resources We Supply

Project Managers Enforcing delivery timelines, coordinating vendor execution, and ensuring adherence to defined control structures.	**Programme Managers** Governing multi-stream execution across enterprise and regulated environments.	**PMO** Maintaining governance structures, reporting integrity, and portfolio control aligned to board-level accountability.
Compliance Analysts Ensuring execution aligns with regulatory requirements and producing evidence consistent with compliance frameworks.	**Audit & Assurance Leads** Validating control effectiveness and ensuring all outputs are defensible under audit and regulatory scrutiny.	**Risk Analysts** Quantifying cryptographic exposure, validating CBOM integrity, and measuring risk against defined survival thresholds.



Resources We Provide

- **White Papers and Technical Guides:** Board-ready publications on quantum risk, PQC migration, and governance mandates.
- **Diagnostic Tools:** Quantum Risk Dashboard, CBOM templates, and solvency KPIs for measurable readiness across your organisation.
- **Training and Workshops:** Executive briefings, risk officer training, and compliance workshops tailored to sector needs and board-level expectations.
- **Regulatory Methodologies:** Proven frameworks authored by SITG-Consulting, including SOX methodology for Shell International, Basel/BCBS239 templates, and PQC compliance playbooks.
- **Survival Benchmarks:** Comparative analysis across industries, showing where boards stand against peers and regulators.
- **Full Delivery Partnership:** Complete programme delivery or targeted augmentation of BAs, PMs, PMO, compliance analysts, testing engineers, and assurance leads.



SITG-Consulting delivers complete quantum risk readiness. We define the pathway, enforce execution, and deploy specialised capability required to achieve compliance and assurance at the board-level.

We can operate as the full delivery partner or integrate with your existing teams to strengthen capacity where it matters.

Compliance you can evidence. Assurance you can trust.

Evidence over assumption. Control over narrative.

---

info@sitg-consulting.com | +66 972 176 658

SITG-Consulting

Strategy | Intelligence | Technology | Growth