BearingPoint

EXECUTIVE BRIEFING



CRYPTOGRAPHY IN THE QUANTUM AGE

Is your organisation quantum ready?

Lasting quantum security is not a one-off migration. It is crypto agility by design.

BEARINGPOINT QUANTUM

Why act now?

Three reasons the shift to quantum-safe cryptography cannot wait.



Quantum breaks today's cryptography

Powerful quantum computers will be able to break RSA and ECC, the basis of digital trust today.



Harvest now, decrypt later

Adversaries store encrypted data today to decrypt it later, so data that must stay secret for years is already at risk.



Regulation is accelerating

The EU and national authorities have defined timelines and expectations for migrating from quantum-vulnerable cryptography to post-quantum solutions.

WHAT THE AUTHORITIES SAY

"The question is no longer if or when. Migration to post-quantum cryptography must be pushed forward." **BSI**

"National governments will have to act now in order to complete the transition to PQC in time." **EU PQC Roadmap 2025**

"Now is the time to migrate to post-quantum standards, before quantum computers put today's encryption at risk." **NIST**

Our offerings

Start small. Scale modularly. Stay crypto-agile.



01 Maturity Assessment

Assess readiness together with business, security, architecture and operations stakeholders.

Output: Maturity baseline, priority gaps and target capability levels.



02 Business-led Prioritisation

Prioritise the critical services, data and technology dependencies that come first.

Output: Agreed scope, criteria and discovery sequence.



03 Discovery Enablement

Design a scalable discovery approach using existing records, tooling and expert validation.

Output: Living inventory, discovery blueprint and validated findings.



04 Transition Roadmap

Convert findings into an owned, sequenced roadmap and lasting crypto agility.

Output: Prioritised initiatives, decision gates and migration waves.

THE GOAL: CRYPTO AGILITY BY DESIGN

01 Assess → **02** Prioritise → **03** Discover → **04** Roadmap

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THE TIME TO ACT IS NOW

Start your Quantum Transformation

Quantum Security is not only about protecting data today. It's about preserving trust in your organisation.

ACROSS OUR QUANTUM PORTFOLIO

- **Quantum Key Distribution** key exchange for critical links
- **Quantum Computing** early use cases and readiness
- **Quantum Sensing** precision beyond classical limits

LET'S TALK



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SCAN TO CONNECT

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