

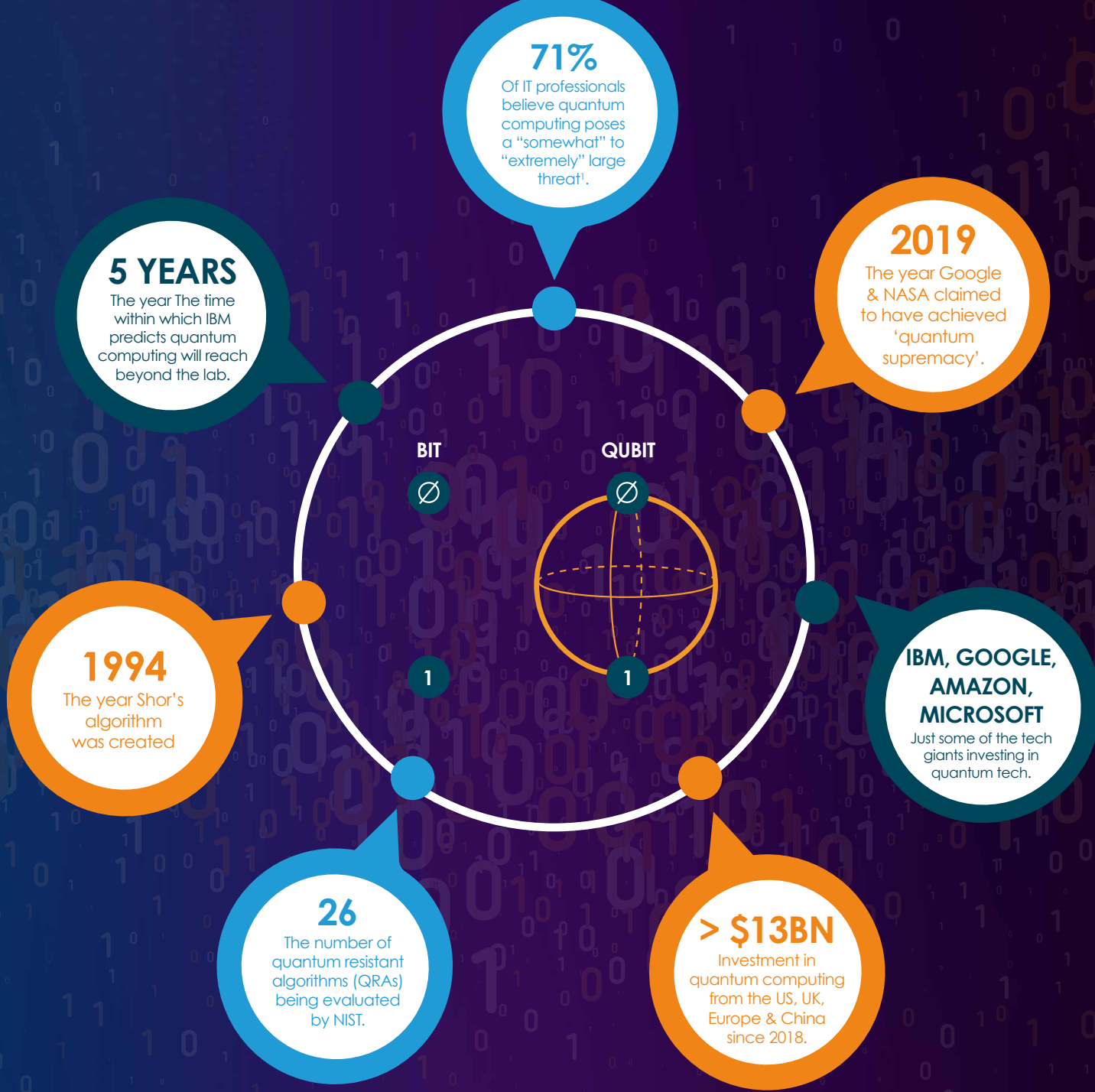
QUANTUM-SAFE SECURITY

Quantum computers will have the power to change the cybersecurity landscape, rendering today's encryption standards useless.

What will security look like in the post-quantum era?



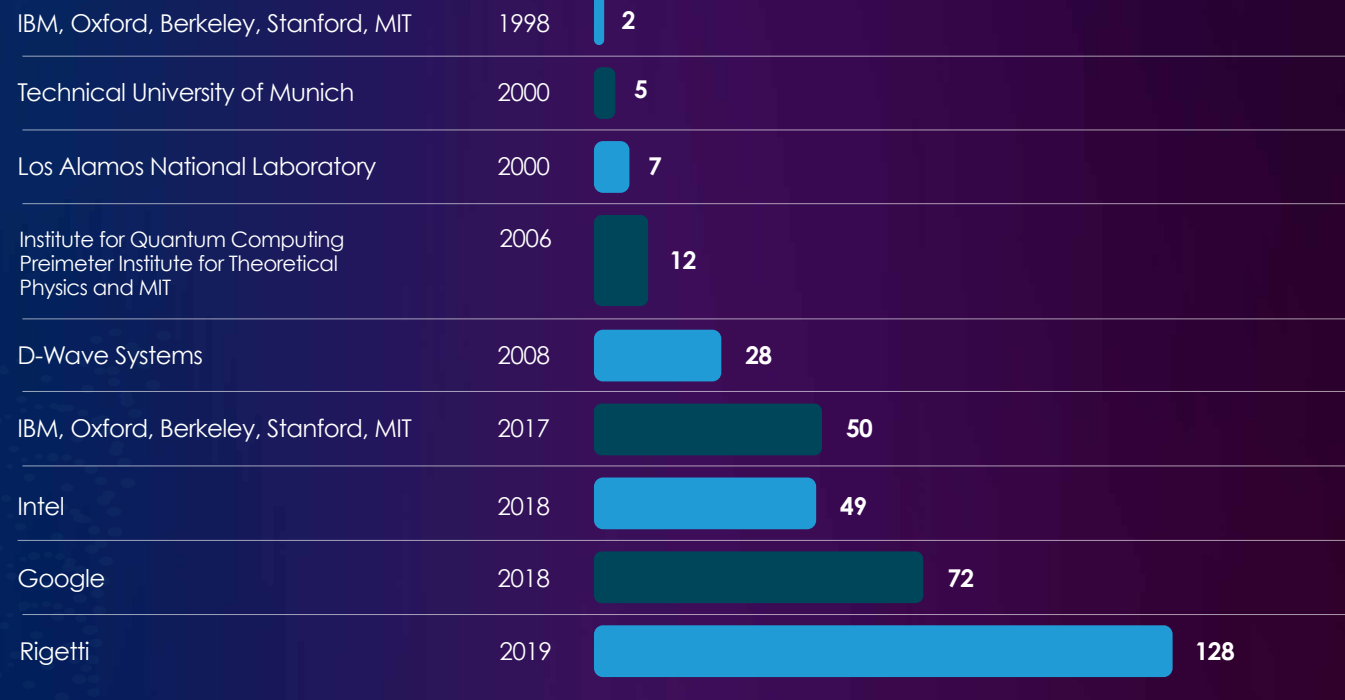
QUANTUM COMPUTING FACTS



¹2019 DigiCert Post Quantum Crypto Survey

20 YEARS OF QUANTUM COMPUTING GROWTH

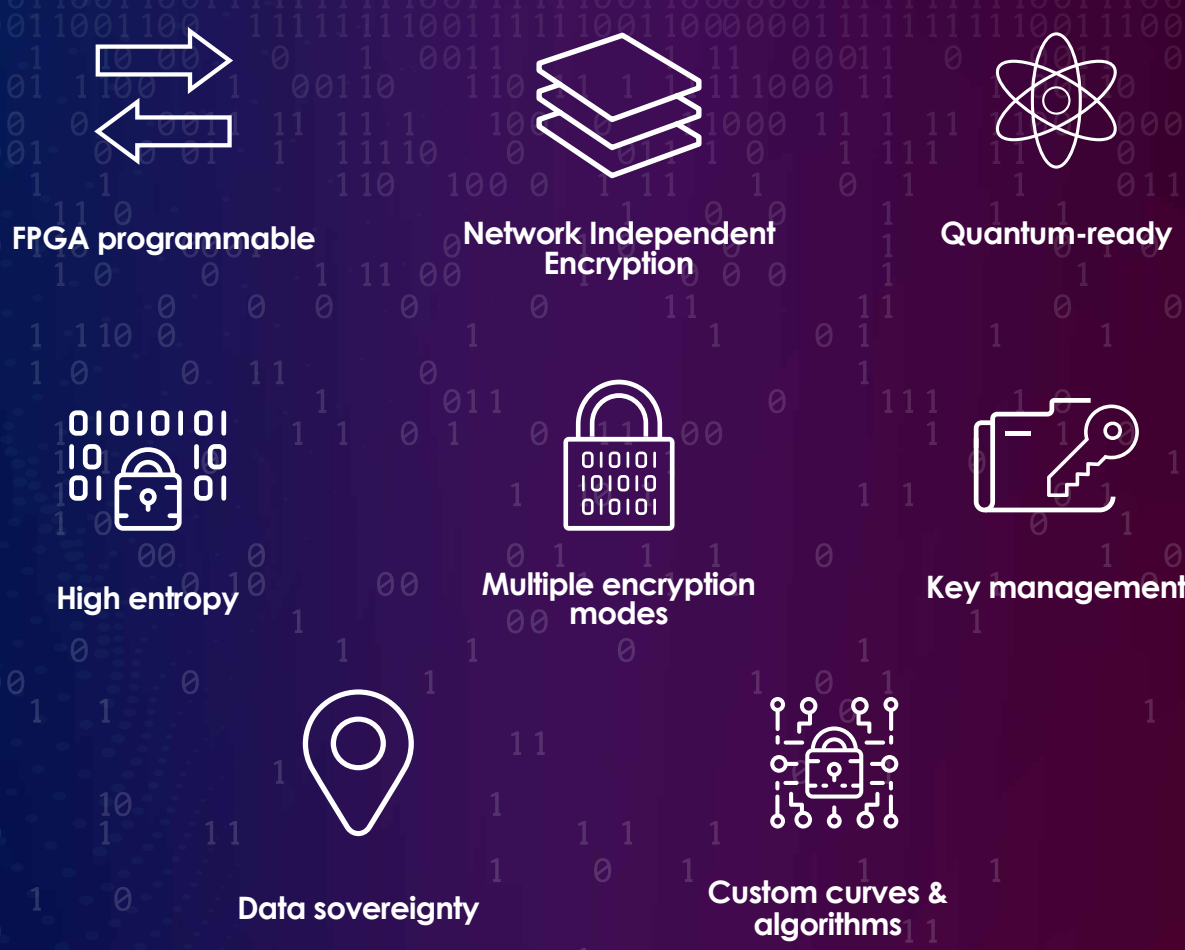
Quantum computing systems produced by organisation(s) in qubits, between 1998 to 2019².



²CB Insights

FUTURE-PROOF CRYPTOGRAPHY

Implementing an encryption solution that is agile by design ensures sensitive data remains secure, long into the future.



THE STEPS TO QUANTUM-SAFE SECURITY

Organisations must ensure their encryption solution are fit-for-purpose as the quantum age looms.



1: ENTROPY

Get random with a genuine source of entropy - Quantum Random Number Generator (QRNG).

2: SECURITY

Guarantee forward secrecy and data integrity - Quantum Key Generation and Distribution (QKD).

3: AGILITY

Future-proof your cryptographic primitives - implement Quantum Resistant Algorithms (QRA).

DISCOVER MORE



QUANTUM TECHNICAL PAPER



CRYPTO-AGILITY OVERVIEW



CN SERIES HARDWARE ENCRYPTION

Senetas is a leading developer of encryption security solutions; trusted to protect enterprise, government, defence, cloud and service provider data in over 40 countries. From certified high-assurance hardware, and virtualised encryption, to secure file sharing and collaboration with data sovereignty control, all are based on the same crypto-agile platform and deliver security without compromise.

Senetas encryption solutions are distributed and supported internationally (outside Australia and New Zealand) by Thales.

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