quantropi
Bring it on.

QiSpace™

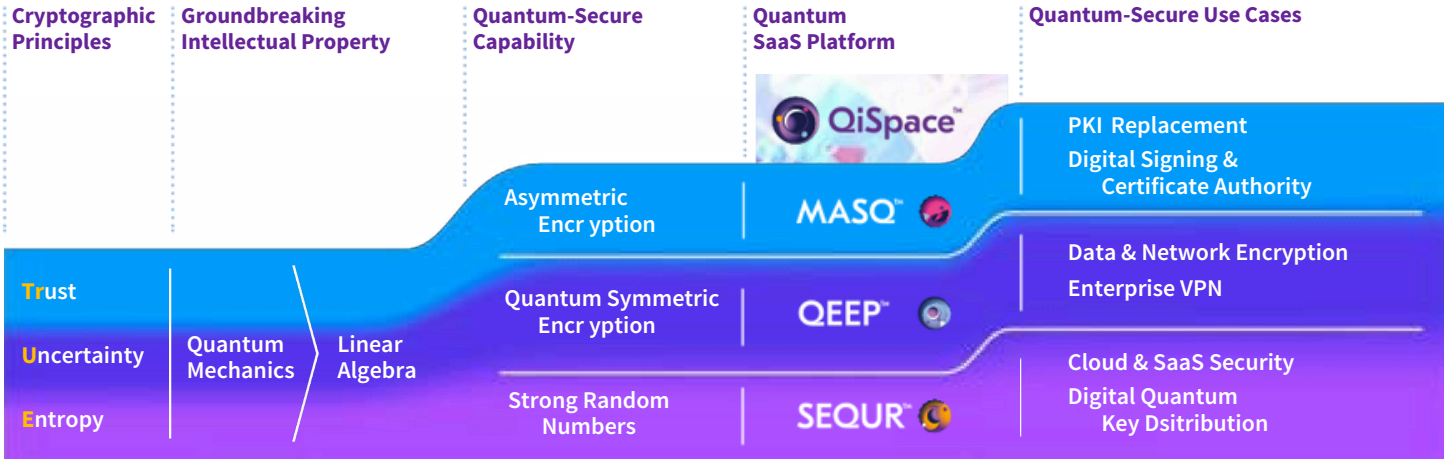
The only TrUE Quantum-Secure Cryptography Platform.

Y2Qistheday when quantum computerswillbreaktoday's encryption. That'swhybadactors aroundthe worldare already stealingandstoringsecrets, justwaiting toforthequantum computing capacity to decrypt them.

Impacts will be widespread. The $50 Trillion global digital economy is at risk. Bad actors will be able to access critical infrastructure through fraudulent authentication, manipulate legal and transactional histories by forging digital signatures, and disrupt and control connected IoT devices and machines.

QiSpace™ is the only platform on the planet providing enterprises, governments, product manufacturers, and the IoT market with a full suite of quantum-secure cryptographic products and quantum entropy services. Protect data, networks, connected devices, and communications, from today's threats and tomorrow's quantum attacks — now and forever.

Quantropi's TrUE Quantum Cryptography Solution



QiSpace™ Product Families

MASQ™

Asymmetric encryption used for Key Exchange, Digital Signatures, and Zero Knowledge Proof. Outperforms all existing NIST PQC candidates.

QEEP™

Symmetric encryption based on quantum permutation pads that is up to 18x faster than AES-256.

SEQUR™

Quantum entropy services for the generation and quantum-secure digital distribution (Digital QKD) of random numbers and keys.

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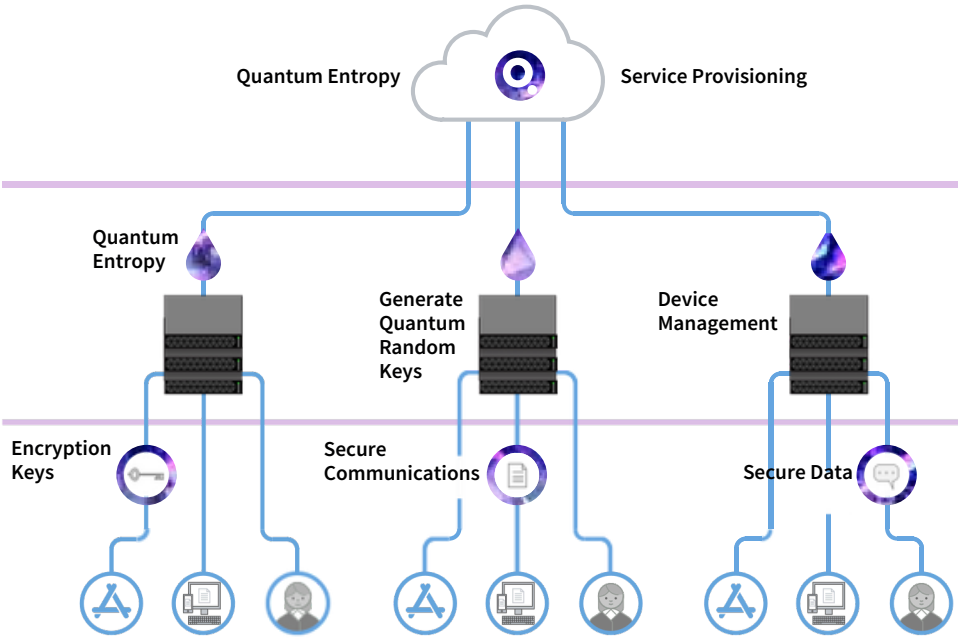
The QiSpace™ 3-Tier Platform Architecture



QiSpace™ Cloud

Quantropi-hosted SaaS Administration portal to generate and supply Quantum Entropy and perform account management (on-premise Entropy option available).

QiSpace™ Enterprise

On-premise/private cloud services to manage Quantum Entropy for private Quantum Key creation & distribution and device provisioning.

Endpoint Layer: Powered by QiSpace™

Software Development Kit to bring the QiSpace™ platform to systems, products and users. Can be used for applications, mobile devices, web sites, files, IoT, etc.

Real-World Performance Highlights

MASQ™

- Crypto-agile asymmetric encryption with support for NIST PQC
- Available Quantropi novel PQC with significantly smaller signature sizes and better performance compared to current NIST PQC

QEEP™

- Quantum-secure symmetric encryption on any IP network or device
- Up to 18x faster than software AES256
- Dynamic code footprint as small as 2.5KB

SEQUR™

- **QEaaS** – Quantum-secure entropy distribution over the Internet leveraging high-performance NIST-certified QRNGs, up to 1Gbps
- **SynQK** – Digital QKD for distributing synchronized random numbers and keys between peers over the Internet quantum-securely
  - Supports ETSI-014 QKD standard; point-to-point and point-to-multipoint key distribution
- **NGen** – Efficient and high-performance local pseudo-quantum random number generation up to 2GB/s

Platforms & Language Support

- Linux/MacOS/Windows: C, C++, Java, JS, Python
- IoS: Objective-C, Swift
- Android: Java, Kotlin

Learn More

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