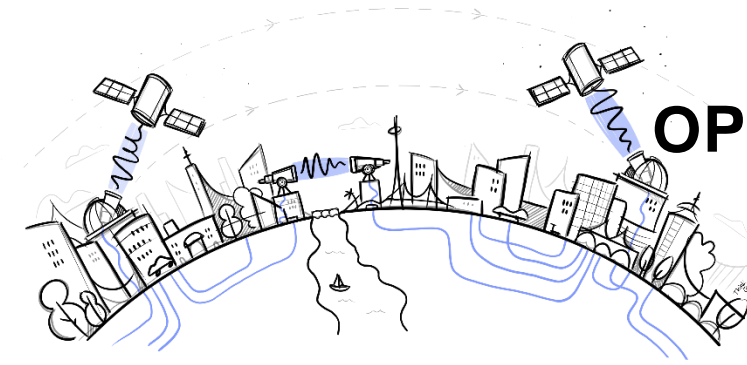


ThinKQUANTUM



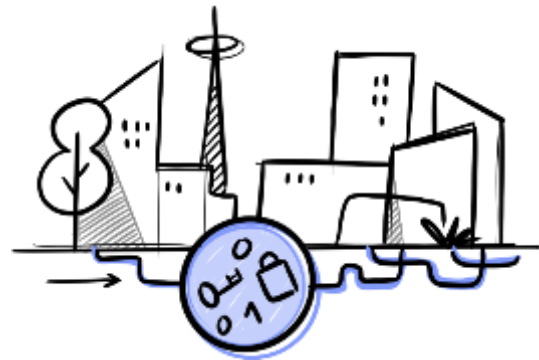
OPTICAL & QUANTUM SOLUTIONS
FOR CYBER SECURITY

COMPANY

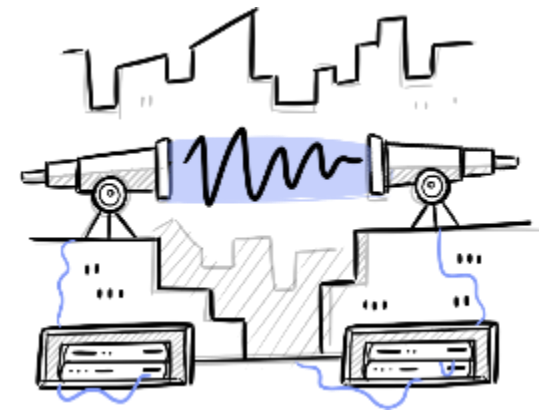
- spin-off of the University of Padua, co-funded by Prof. Paolo Villoresi & Prof. Giuseppe Vallone
- Invested by Officina Stellare, premium provider of telescopes for satellites and ground stations
- EU27 company: based in Italy, Italian shareholders, European supply chain



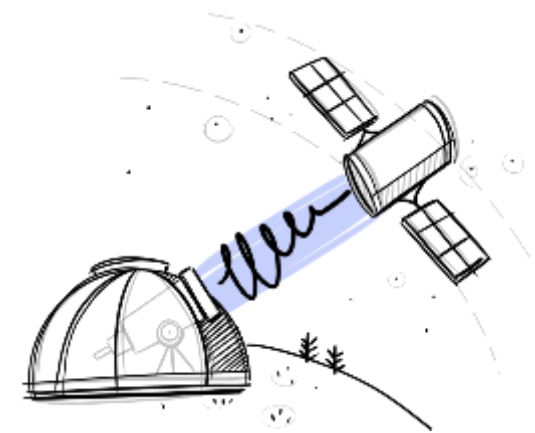
TECHNOLOGIES



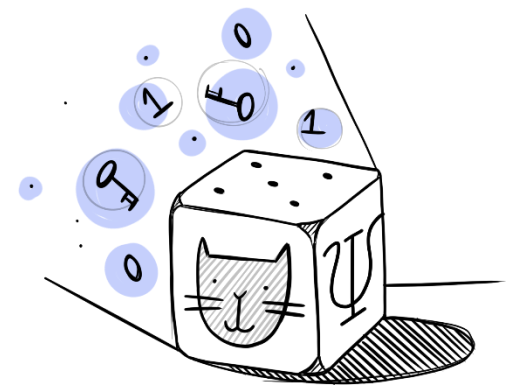
QKD for fiber Infrastructures
& Private Networks



Free-space QKD terrestrial
links



Space Domain with QKD
payloads & OGS

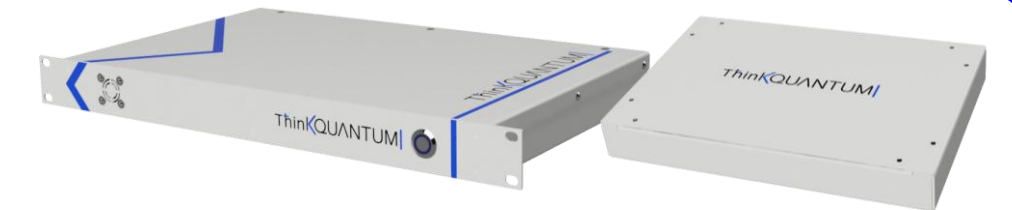
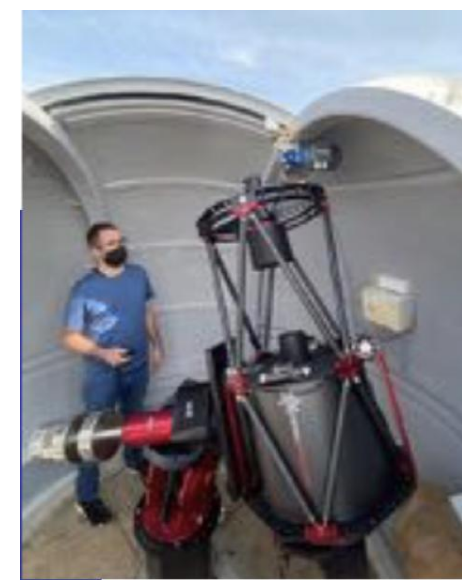


QRNG, stand-alone and
OEM versions

SOLUTIONS




QuKy, the QKD Platform by ThinkQuantum: BB84-based, Qubit4Sync (Qubit-based self-synchronization, additional fibers not required), True QRNG Stream (QRN2Qubit direct stream), diverse networking protocols (ETSI 014, ETSI 004, other).



ThiKe, the QRNG by ThinkQuantum: source-device independent framework based on the Heisenberg's uncertainty principle.


Internal quantum entropy: 2 Gbps
Secure random bit rate: 330 Mbps bits

Quantum Networking (Key Management System & Software Defined Networking)



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QUDICE	HORIZON-CL4-2021-SPACE-01-11	HORIZON	101082596	Active	Actions
QSNP	HORIZON-CL4-2021-DIGITAL-EMERGING-02-19	HORIZON	101080116	Active	Actions
Qu-Pilot	HORIZON-CL4-2021-DIGITAL-EMERGING-02-22	HORIZON	101079926	Active	Actions1 dashboard messages
QUID	DIGITAL-2021-QCI-01-DEPLOY-NATIONAL	DIGITAL	101091408	Active	Actions1 dashboard messages
Qu-Pilot	HORIZON-CL4-2022-QUANTUM-06-SGA	HORIZON	101113983	Active	Actions
QSNP	HORIZON-CL4-2022-QUANTUM-04-SGA	HORIZON	101114043	Active	Actions
FOCAL	HORIZON-MSCA-2023-DN-01-01	HORIZON	101169042	Active	Actions

Altri progetti europei

- European Space Agency
- Eurostars / Eureka Portal
- ...

- In Europa
- Costo/Opportunità
- Opportunità generaliste vs. specifiche
- Qualità delle proposte (risorse interne / esterne)

