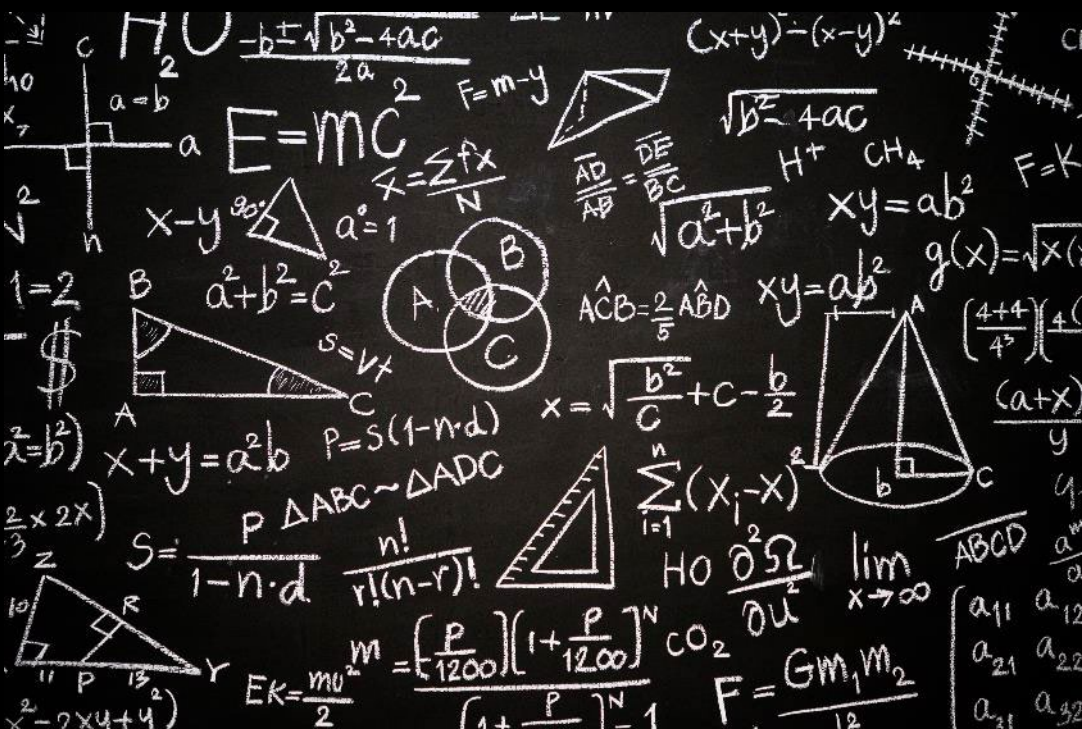




LUXQUANTA

Introduccion to LuxQuanta

June 2022



With the advent of quantum computers cryptography is **no longer future-proof**

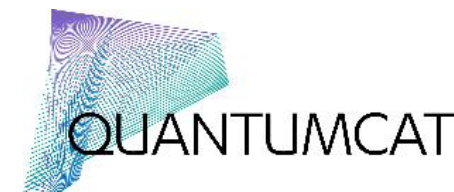


Cryptography today applies mathematic algorithmics to build the keys that are used to secure communications



Through ICFO, our team has participated in some of the most important European quantum projects

Quantum technologies constitute a promising and rapidly growing industrial sector and is strongly fuelled by both governments and investors, with tens of billions of euros in funding and investment:





LuxQuanta® was born in May 2021 in response to the exponential growth of the Quantum Key Distribution (QKD) market.

LuxQuanta is a spin-off from ICFO where it was incubated for over 4 years. Today it counts with 9 employees and is planning a strong growth from its headquarters in Barcelona.

Our investors

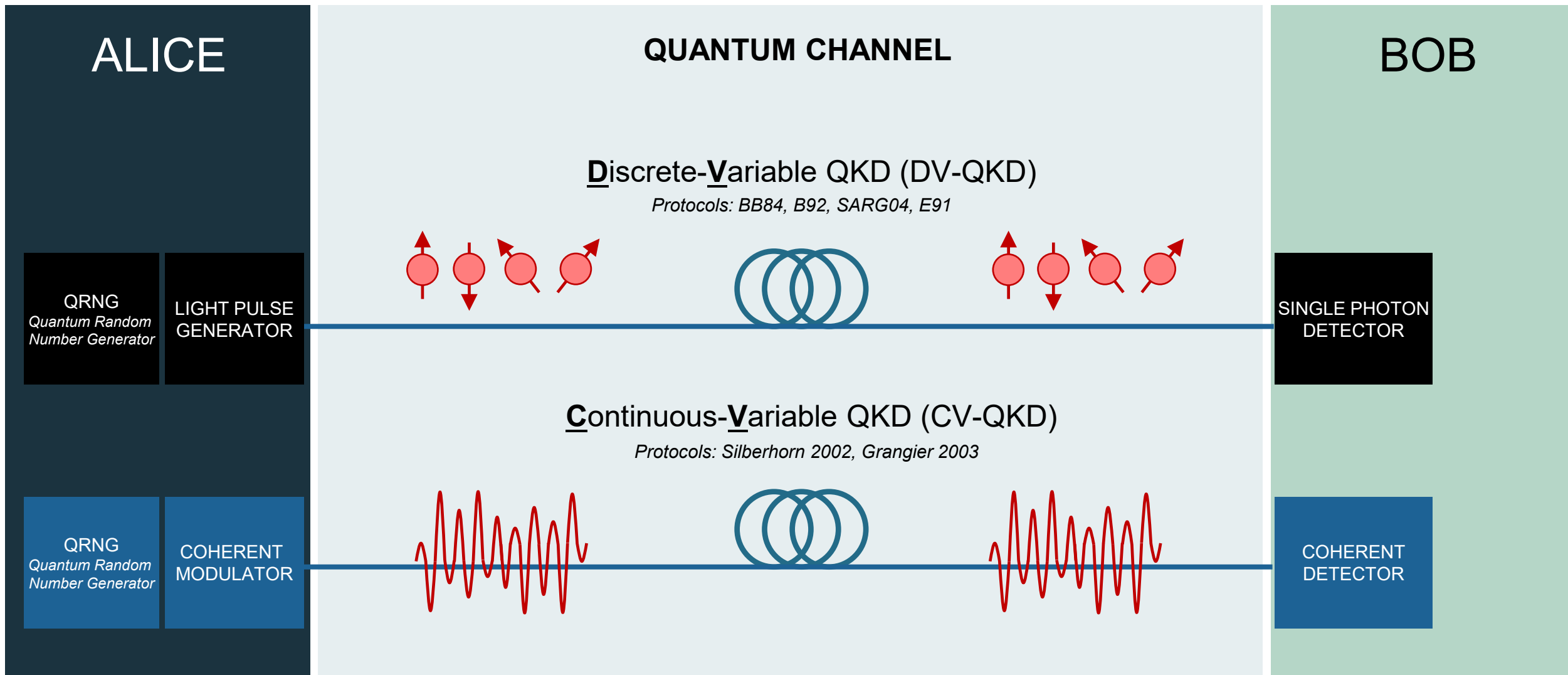
European control and majority of European shareholders.



Our technology



TWO FUNDAMENTAL TYPES OF QKD



LUXQUANTA[®] CONTINUOUS VARIABLE QKD SYSTEM

Designed to overcome the main roadblocks of current commercial QKD systems in metropolitan networks



Best-in-class Quantum Random Number Generator (QRNG) from QUSIDE



Based on mature telecom components



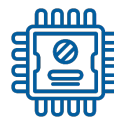
High performance at metro distances



Reduced system and implementation cost



Ideal for network integration



Clear path to future scalability via full photonic integration



THE TEAM



Sebastian Etcheverry
Chief Technical Officer (CTO) & co-founder
PhD in Applied Physics (KTH, Sweden)



Saeed Ghasemi
Head of signal processing & co-founder
PhD in Telecommunications (UPC, Spain)



Vanesa Diaz
Business Development Director
MSc in Telecommunications Engineer (UC, Spain)



Pau Gómez
R&D Engineer
PhD in Physics (ICFO, Spain)



Rocío Justel
Accounting & Finance Project Officer
(UI1, Spain)

Expertise:



Jeison Tabares
R&D Engineer
PhD in Telecommunications (UPC, Spain)

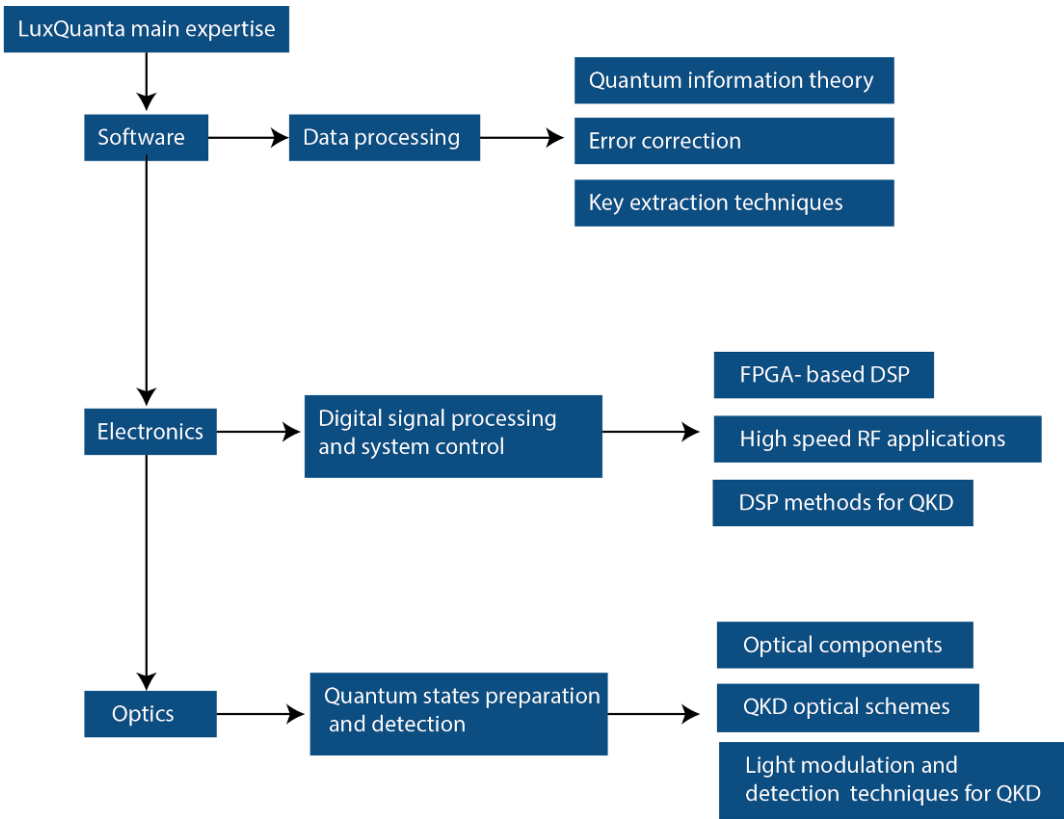
Expertise:



Marco Cofano
Software Engineer
PhD in Mathematics and Quantum Physics (U. Nottingham, UK)



Juan Gasparino
Software Engineer
MSc in Telecommunications Engineering (UPC, Spain)



A multidisciplinary team

LuxQuanta's R&D team is made of engineers each with decades of experience on Quantum Technologies, FPGA development, digital signal processing, microelectronics, software development and opto-electronic components.

LET'S TALK.

- Transitioning to a quantum-safe telecom infrastructure takes time
- Also understanding the benefits of QKD technologies
- That is why we believe that the time is now
- Our High-Performance Continuous Variable QKD system prototypes are ready to be tested by EO Q3

Contact us:

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