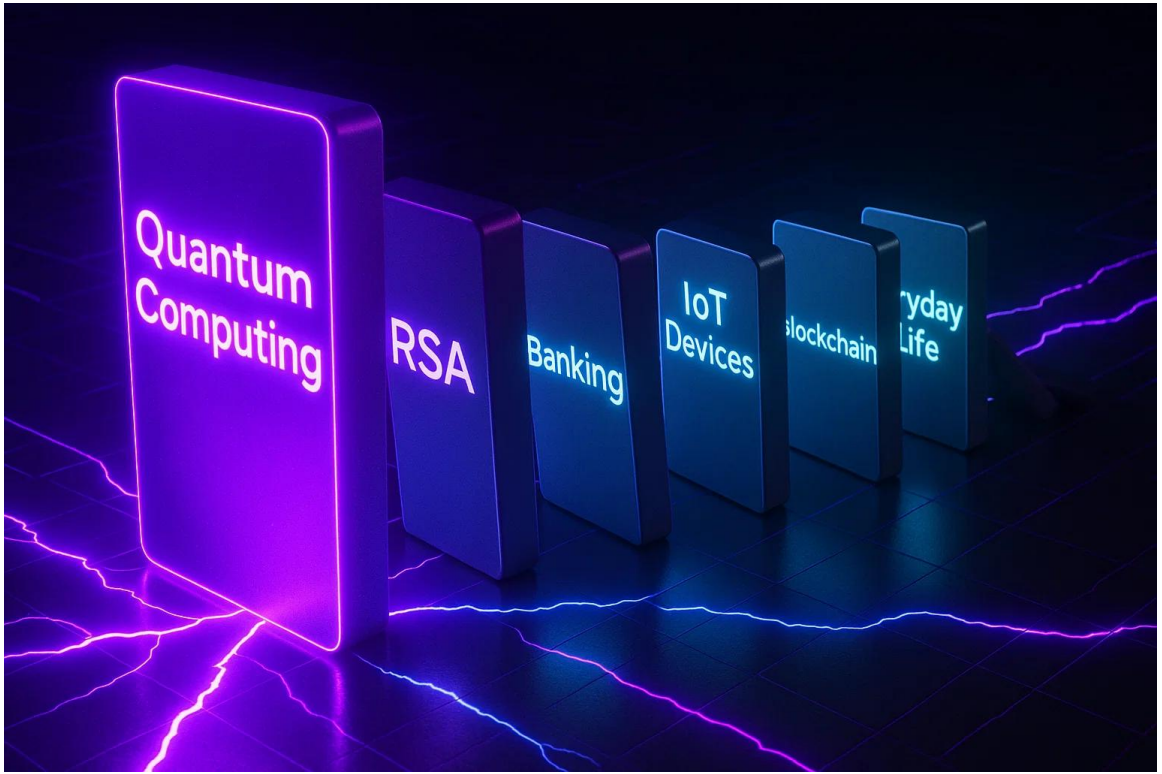
iQrypto

Building the Quantum Fabric

Democratising quantum technologies

Problem: Quantum is the atomic bomb of computation



Quantum Computing is dramatically increasing computation power.

It will destroy the security of 30B connected devices.

It is coming in years, not decades urging to act now.

How iQrypto Addresses this Challenge: pyramidal approach.

1. Designing security as the first scalable hardware

Our **QRNGs** solve the immediate threat of broken cryptography.

2. Delivering quantum component interfaces

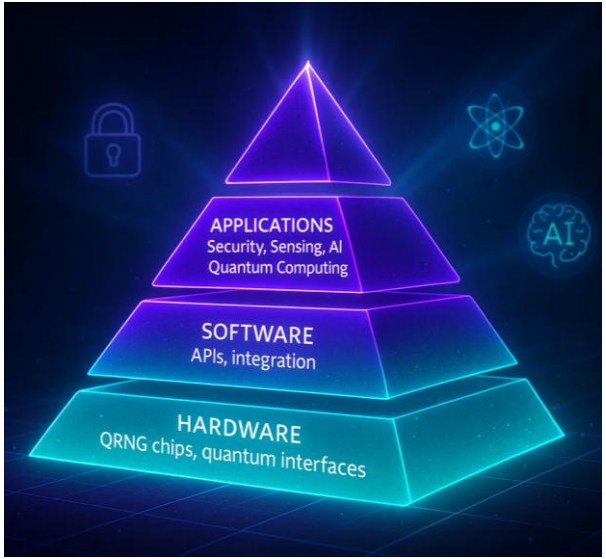
Our hardware **bridges classical systems with quantum inputs**.

3. Creating easy to use software for users

Our software makes it easy for everyone to operate our systems

4. Building the Quantum Fabric to enable applications

Now: Security and Sensing.
Next: Computing and AI.

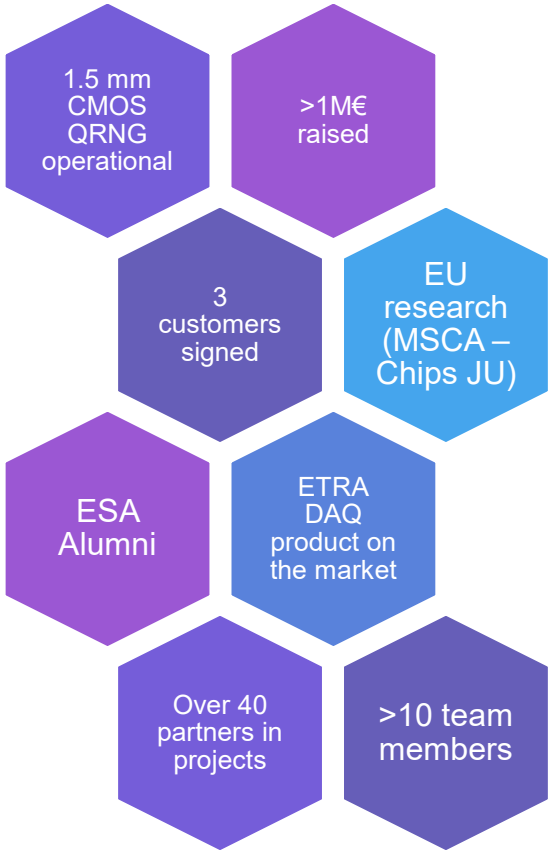


iQrypto’s mission is to democratize access to quantum capabilities

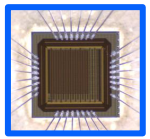
Like Nvidia enabled the AI Revolution

We are enabling the Quantum Revolution

What have we achieved already?

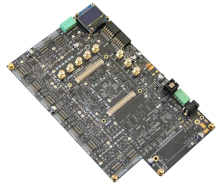


First 1.5 mm QRNG chip validated with NIST standard. It is the only in pure CMOS technology.



>€1M raised, backed by EU and regional grants

First electronic systems commercialized.



1 patent pending. Several IP blocks ready.

The right team in Quantum: engineers that can deliver products.

CEO, PhD.
15+ years in semiconductor business.

Alessandro Brunetti

Manager, MSc
15+ years in electronic systems

Soheil Nazari

FAE, MSc
Physicist. SW development & char.

François Kinet

SW Dev, MSc
SW dev lead. cryptography and security.

Alessandro Spinosi

Eng, PhD
4+ years in FPGA and AI based systems.

Aymen Zayed

Analyst, MSc
Experience in finance and business dev.

Giuseppe Schiano

We are engineers that build in Quantum who know how to make real, usable and effective hardware and software products.

We are well set to make this a reality starting from our Belgium based EU hub.

Our Advisors:

Robert Bury

Coach IGNITY
30+ years in electronics product development.

Pascal Alexis

Coach IGNITY
25+ years in finance, big 4 and startup financials.

Stefano Guerrieri

Executive
30+ years in semiconductors, CMOS fabrication.

Core Near Term Market: Quantum Security RNG

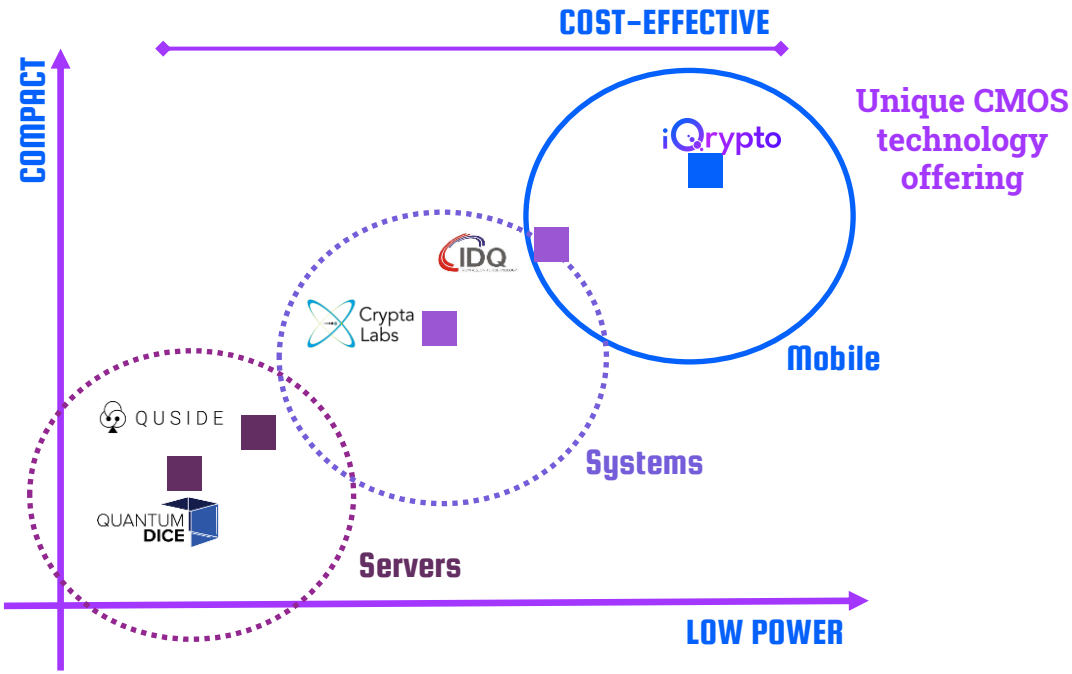
1.2

$ Billion

2033

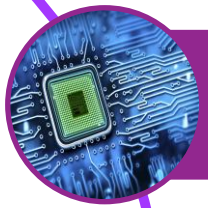
30 %

CAGR

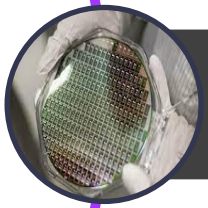


Now: fast-growing niche market. **Next:** Quantum Computing market valued at **12 $ Billion**

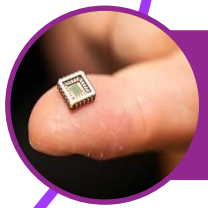
Extremely Scalable low capex fabless business model



Design
We create our own HW and SW.



Manufacturing
Subcontracted to an external partners



Sales
Short Term: HW and SW, Services
Long Term: Microchips and design IP blocks

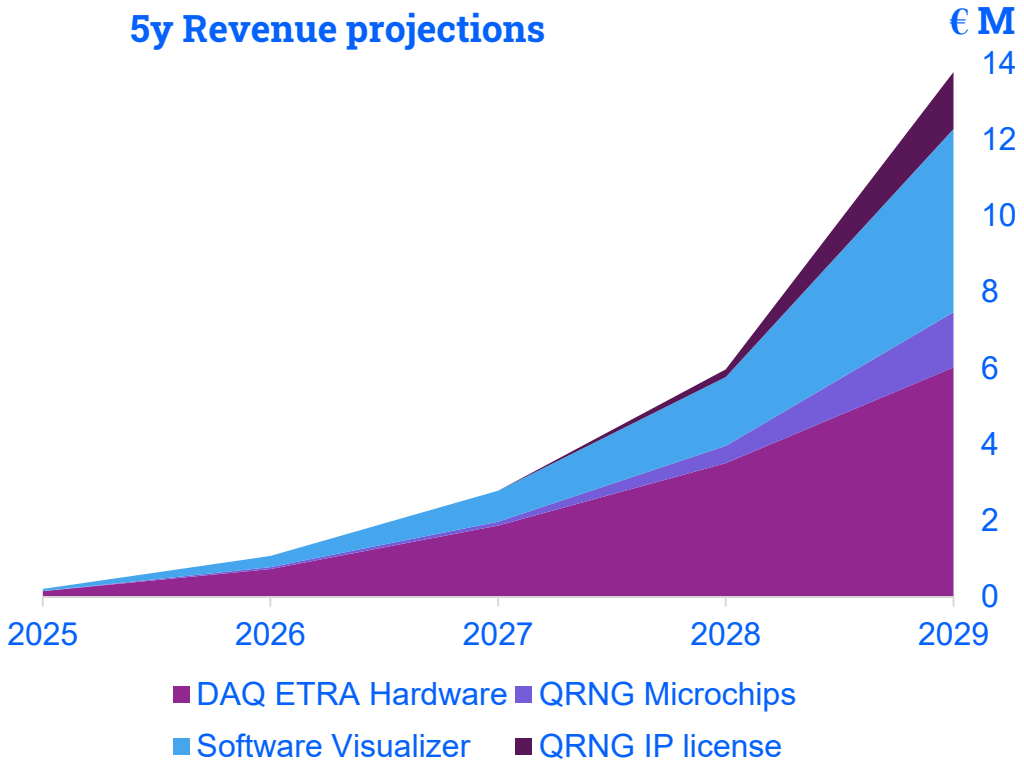
Fabless Business Model Advantages:

- **Low Capex**
- **High Scalability**
- **Cost-efficient**
- **IP focus**

The hardware is the key to scale software and licenses

Now:
We are selling hardware and services.
We are servicing 3 customers and building IP blocks to scale.
We are on track to close 2025 with 200k in sales.

Next:
We expand our customer base and value proposition boosting software capabilities which is easier to scale and grow.
We start licensing of QRNG to bigger players.



Go-to-Market: from EU pilots to Industry Adoption

Now:

- ❑ 3 sensing pilots (automotive, railway) €**200k revenue**.
- ❑ EU projects: REACT, Q-Planet (Chips-JU)
- ❑ Presence at: MWC, ESA industry days, EIC Summit, EU R&I days

Next:

- ❑ Product-Market Fit experiments (consumer). Launch evaluation kit.
- ❑ Target 3 verticals: Sensing, quantum labs/companies, Security (IoT)
- ❑ Leverage EU ecosystem (ESA, Chips-JU)

Turning research pilots into scalable licensing and hardware revenue

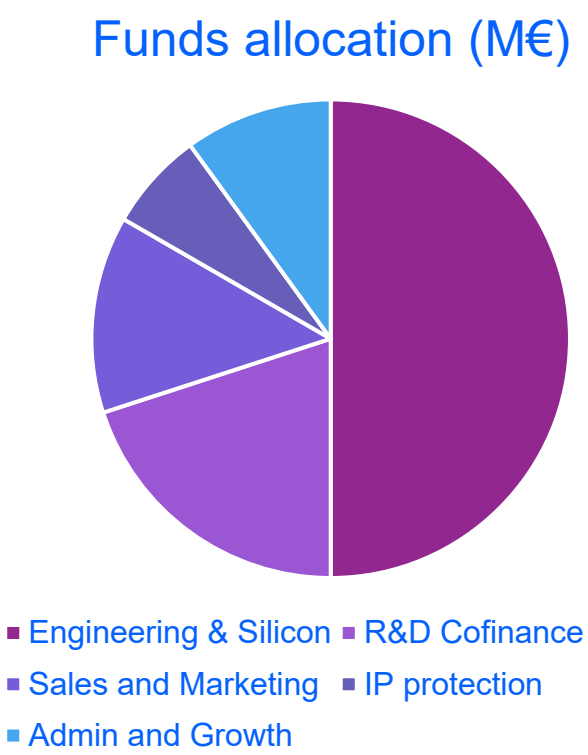
Fundraising: Goal & Use

Funding Goal:
€3M raise → equity or convertible for Series A
Runway: 30 months
Closing target: Q1 2026

Milestones Funded by This Round:

Technical:
1. Tape-out of QRNG ASIC in advanced node
2. Launch of USB QRNG evaluation kits
3. Cofinance of Q-Planet for HW/SW stack in quantum.

Business:
1. Secure 5+ pilots (finance, defense, sensing)
2. €1M revenue from products and/or pilots



A Clear Path to Scale and Strategic Returns

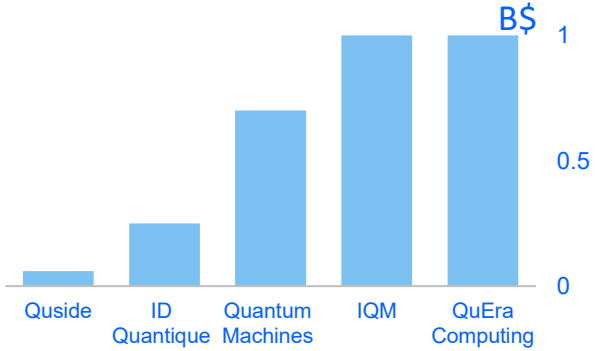
Product Delivery
QRNG ASIC tape-out and validation
USB evaluation kits launched
Software API stack delivered to partners

Market Traction
5–10 customer pilots across quantum, sensing, security
€1M+ cumulative revenue
Signed LOIs or MoUs with strategic accounts

Team & Operations
Senior hires in business development and engineering
Growth, Admin and Sales

Series A Ready (30M)
Clear revenue model with recurring software/IP income 2nd-generation ASIC design ready Data proving scalability, reliability, and integration

Exit Benchmarks & Comparable



Exit Strategy (2028-2030 Options)

1. Strategic Acquisition
Cybersecurity & Secure Chipmakers: *Infineon, STMicroelectronics, NXP, Thales*
- **Quantum & Cloud Infrastructure Players:** *Keysight, IBM, Intel, AWS Braket, Microsoft Azure Quantum*
- **ASIC or FPGA-centric buyers:** *Lattice Semiconductor, AMD/Xilinx, Microchip*

2. Series A → Growth/IPO Path
€5–10M revenue by 2028
- High-margin IP licensing and QRNG business lines
- Potential IPO or strategic growth round with deep-tech or quantum-focused funds

Investor ROI

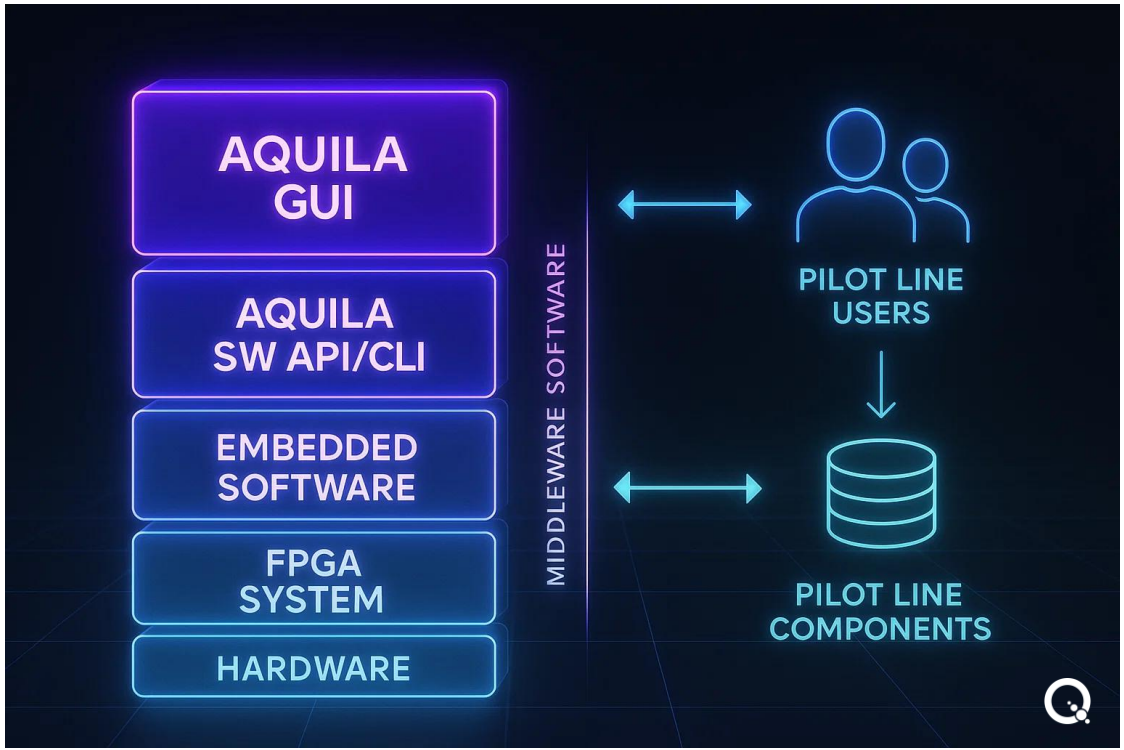
5x–10x return possible via acquisition in 3-5 years

iQrypto creates **hardware and software technology foundational bricks for quantum**

Multiple exit routes, clear roadmap, and team with **execution capability**

Products

We enable access to quantum technology



iQrypto Stack enables any user to access complex components.

1.Components (i.e. QRNG): and other pilot devices.

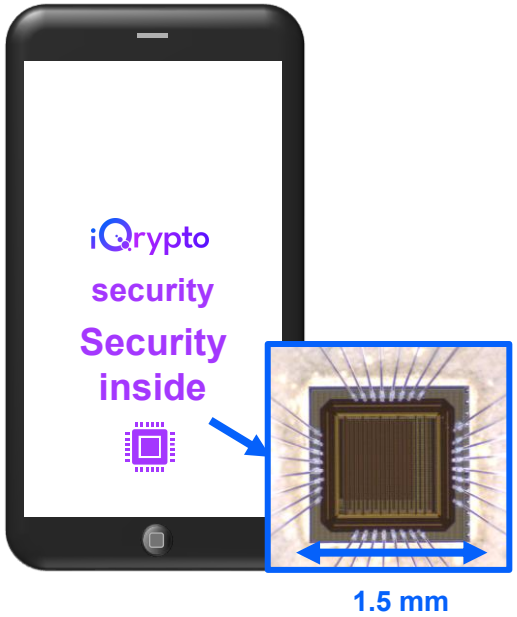
2. Hardware/FPGA/Embedded Software. Physical access/control to the components

3. API/CLI and GUI Software for Easy control of the user.

Hardware Component - QRNG

iQrypto QRNG is the world smallest, cost-effective, power-efficient solution existing

iQrypto Quantum Random Number Generator microchip:



1. QUANTUM SECURE

We provide the
highest
standard of security

2. COMPACT

Smaller than
a grain of rice.
<1.5 mm

3. LOW POWER

Extremely low power
consumption.
<15 mW

4. COST EFFECTIVE

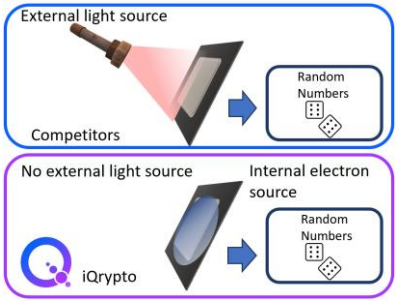
Highly efficient
silicon production cost.
<0.2 €

Why iQrypto Quantum Solution? The only CMOS QRNG.

QRNG prototype NIST results vs **classical** competing solutions

NIST* Randomness Quality Test	C random	Competitor 1	Competitor 2	iQrypto
Approximate Entropy Test				
Cumulative Sums Test				
Discrete Fourier Transform (Spectral) Test				
Binary Matrix Rank Test				
Serial Test				
Frequency (Monobit) Test				
PASSED?	✗	✗	✗	✓

*National Institute Standard Technology NIST 800-90b entropy tests to evaluate RNG randomness



Unfair Advantage:

iQrypto leverages standard silicon to generate random numbers.
No need for a light source.

Parameter	Competitor a	iQrypto
Power	60 mW	15 mW ✓
Size	4 sqmm	2.25 sqmm ✓
Production Cost**	$ 1	$ 0.20 ✓

**estimated

Upcoming. Quantum Randomness. Anywhere. Instantly.

The iQrypto USB-C module integrates our QRNG into a slick design.

Key Features:

Quantum-Grade Security: Generates **true randomness** from quantum physics.

Plug & Play: USB-C powered, instant entropy injection.

Compact & Scalable: Ultra-portable, designed for easy integration.

Versatile Applications: Secure comms, blockchain, authentication, key generation.

"The future of security, in your pocket."

Hardware Stack DAQ System FPGA

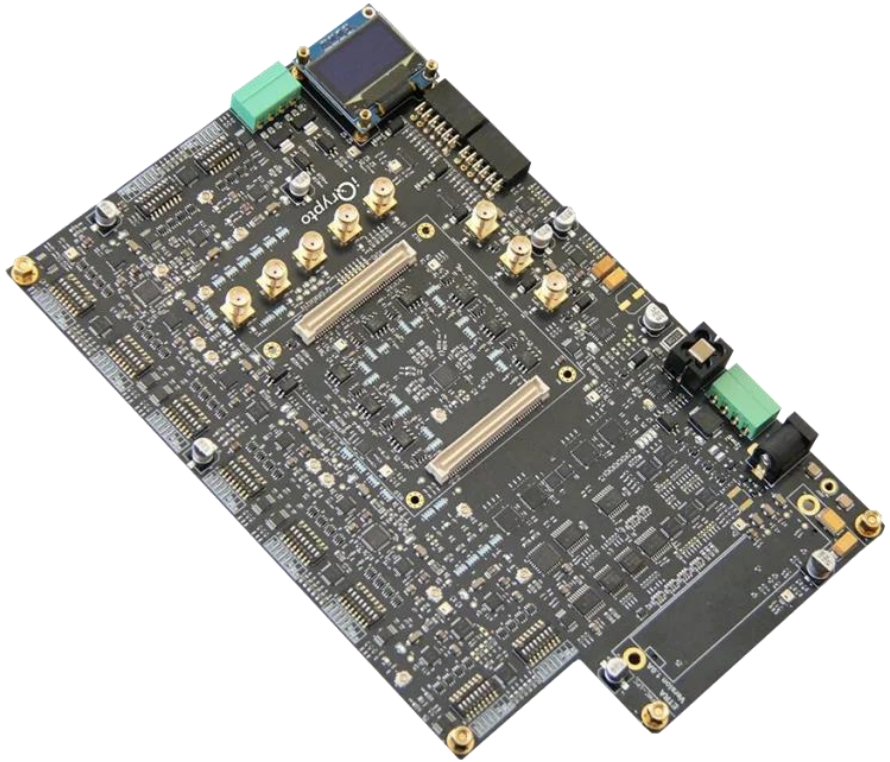
ETRA DAQ: Powerful reconfigurable interface for quantum

Rapid Prototyping & component Testing: Enables quick prototyping with only the need to develop the front-end electronics.

Seamless FPGA Interface: Direct IC connectivity to FPGA, ensuring fast evaluation and testing.

Embedded Backbone & Software: Pre-built embedded and top-level software provided, reducing time-to-test**.**

Advanced Software Interface: Ready for iQrypto Software API stack for custom mathematical processing, analysis, and automation.

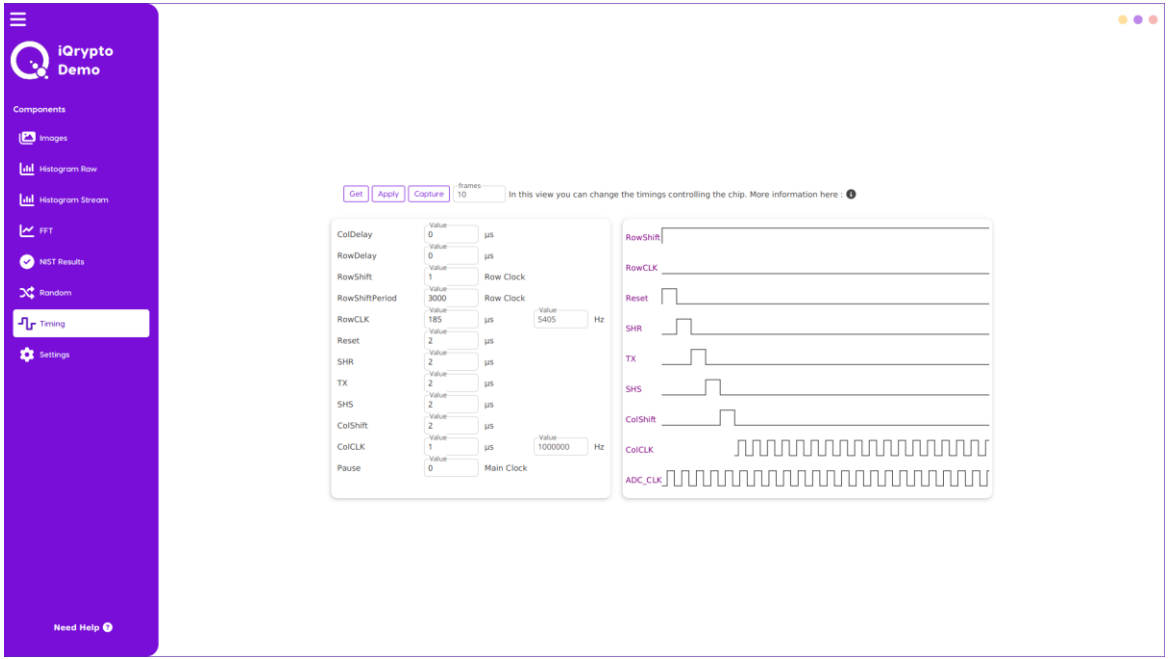


Software Stack GUI/API

iQrypto Software API and GUI: quick proto and easy demos.

Software API:
Provides simple, well-documented functions for device control integrating with standardized stack.
Enables custom analysis & automation. Rapid prototyping.

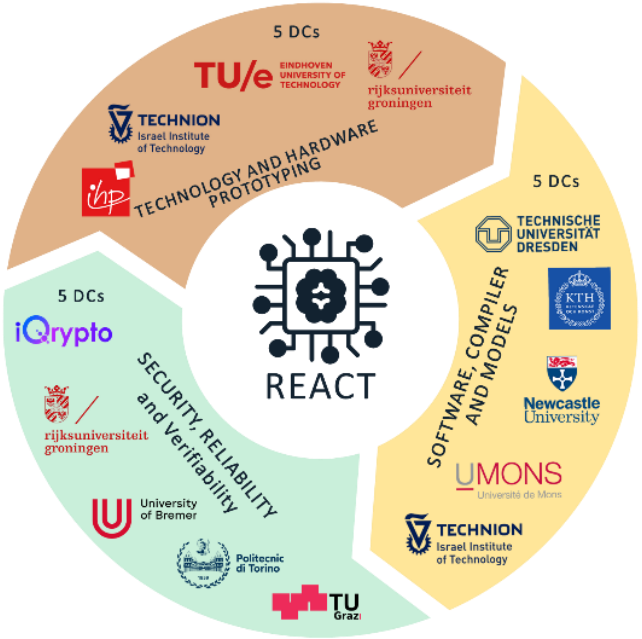
GUI Interface:
Intuitive graphical interface for non-experts. Provides Real-time visualization of outputs. Plug and play usability, Perfect for demos



EU Pilot Projects

EU R&D React: European Commission: 17 partners in the EU

Aim: Development of a **QRNG SoC** for secure processors
Funding: ~300k€ non-dilutive



Kick off in November 2025.

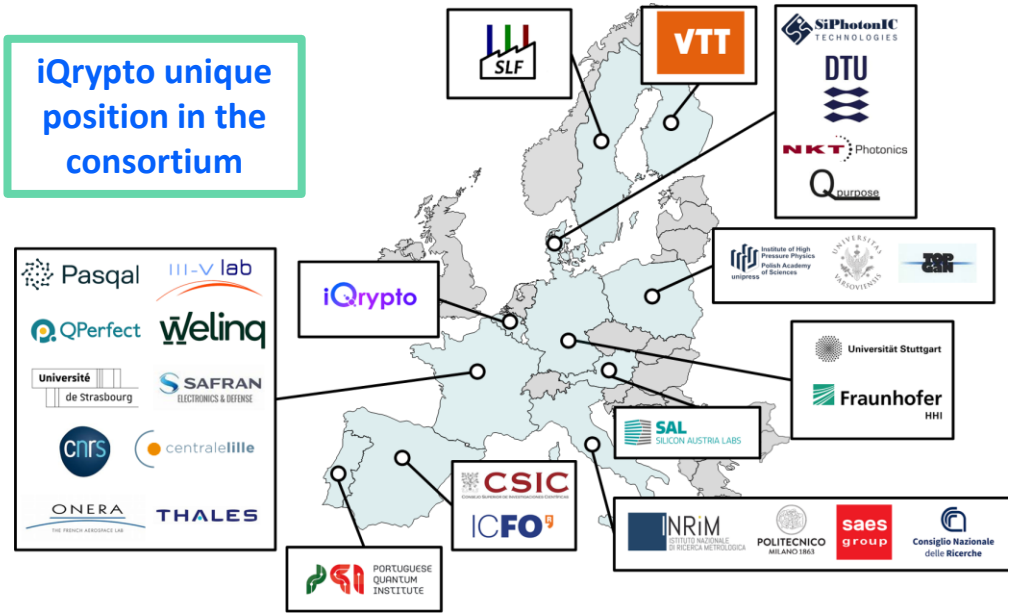
Network of top universities to collaborate on innovative technologies and keep the edge on security.

https://project-react.eu/

EU R&D Q-Planet: European Commission: 37 partners in the EU

Aim: Development of an EU Quantum Pilot Line for Neutral Atoms.
Funding: ~1.2M€ non-dilutive (50% EU) of 50 M€ Total

iQrypto unique position in the consortium



Currently FPA phase approved.
SGA in preparation.

Lead: PasQal, FR

iQrypto role:
WP9 Lead (software development)
WP7 Contributor (hardware control of electro-optical modules).

Thank you and looking forward to talking to you!

Contact us!

hello@iqrypto.com

They support us:

iQrypto