



## **LuxQuanta Secures \$8 Million in Series A Funding to Accelerate Global Deployment of Quantum-Safe Cybersecurity Solutions**

Funding round led by Big Sur Ventures, A&G as the largest investor, and with GMV, Wayra, and the EIC Fund alongside existing investors Corning and GTD, this round will accelerate the mass deployment of award-winning CV-QKD technology.

October 15, 2025

---

LuxQuanta, a pioneering deep tech company specializing in quantum cybersecurity, today announced the successful closing of its \$8 million Series A funding round. Led by Big Sur Ventures, and with support of A&G as the main investor, the round also includes new investors GMV, Wayra and the EIC Fund, alongside renewed commitments from existing investors Corning, and GTD. The investment is further bolstered by the soft financing from the European Investment Committee (EIC) through the EIC Accelerator program, following the \$2.5 million grant awarded to LuxQuanta in March 2024.

This milestone funding marks LuxQuanta's transition from a promising startup to a global scale-up, enabling the company to scale production, advance research and development in quantum technologies and integrated photonics, expand its commercial, technical, and operational teams, and accelerate international market expansion. With its cutting-edge Continuous-Variable Quantum Key Distribution (CV-QKD) technology, LuxQuanta is poised to democratize quantum-safe communications, delivering robust, scalable, and accessible solutions for telecommunications, governments, data centers, financial institutions, critical infrastructures and industrial and energy sectors.

### **Addressing the Quantum Threat**

The rise of quantum computing poses a significant risk to current encryption systems, with attacks such as *“harvest now, decrypt later”* threatening data security today. Transitioning to quantum-safe infrastructures is also a complex, long-term process that demands immediate action if public and private entities want to remain their confidential data protected. LuxQuanta's flagship product **NOVA LQ®** launched in its second generation in March 2025, is designed to ease this challenge by integrating seamlessly into existing optical networks while offering unmatched security and scalability. Key features include:

**Validated Security:** Implements the rigorously tested Gaussian-modulated coherent-state (GMCS) CV-QKD protocol, proven secure against collective attacks under finite-size conditions.

**Operational Reliability:** Built with production-grade hardware and custom electronics for superior stability, low failure rates, and reduced maintenance costs.

**Unmatched Scalability:** Supports point-to-point (P2P) and point-to-multipoint (P2MP) configurations, halving costs for network expansion while maintaining security.

**Standards-Based Interoperability:** Complies with ETSI GS QKD 014 and SKIP interfaces for seamless integration with multi-vendor encryptors and key management systems.

**Superior Performance:** Delivers high secret key rates (>100 kbps at 4 dB loss, 1 kbps at 16 dB) and operates up to 20 dB channel loss, maximizing efficiency and reach.

### **A Vision for Global Impact**

Founded in May 2021 as a spin-off from ICFO, a renowned R&D center focused on photonic sciences in Barcelona, LuxQuanta has rapidly matured its CV-QKD technology, achieving multi-million euro sales across more than dozens of European countries and deployments in Asia Pacific, Latin America, and the USA.

*“This Series A funding is a powerful validation of our vision to safeguard global communications in the quantum era,”* said **Vanesa Diaz, CEO of LuxQuanta**. *“With this investment, we will scale our operations, enhance our technology, and expand our global footprint. The journey to quantum-safe networks is critical, and it starts now. We're committed to making quantum security accessible and reliable for organizations”*

s worldwide.

### **Strategic Partnerships and Investor Confidence**

**Big Sur Ventures**, a Spanish venture capital firm specializing in deep tech/breakthrough science, brings both capital and strategic expertise to support LuxQuanta's growth.

LuxQuanta's proven CV-QKD technology and successful deployments position it as a leader in quantum cybersecurity,

their focus on integrated photonics is a game-changer, and we're thrilled to support their mission to set a global standard for quantum-safe infrastructure.

**A&G Energy Transition Tech Fund**, an investment strategy managed by A&G Global Investors, brings strategic vision to LuxQuanta's mission.

LuxQuanta's quantum-safe solutions are uniquely positioned to secure critical environments, aligning perfectly with our focus on essential sectors,

we are excited to support their growth and facilitate the hybrid adoption of quantum technologies in industries where security and reliability are paramount.

**Wayra**, Telefonica's corporate venture capital arm, reaffirmed its commitment to

LuxQuanta's vision. For over a decade, Telefonica has pioneered quantum communications, and our partnership with LuxQuanta is driving industry transformation,

this funding accelerates the deployment of CV-QKD solutions, enhancing security for our customers and strengthening Europe's technological sovereignty.

**GMV**, a global technology company with extensive experience in space, cybersecurity, defence, Intelligent Transportation Systems and telecommunications strengthens

LuxQuanta's technical and market capabilities. LuxQuanta's CV-QKD technology represents a breakthrough in securing communications for the quantum age,

we are proud to partner with LuxQuanta to drive industry transformation, continue fostering European innovation in quantum-safe cybersecurity, and

ensure the provision of the state-of-the-art and highly secure solutions for our customers in critical sectors worldwide.

**The European Innovation Council (EIC)**, through its Accelerator program, reinforces

LuxQuanta's role in advancing Europe's quantum technology landscape. LuxQuanta's innovative CV-QKD solutions are critical for securing the future of digital communications,

EIC Fund's investment reflects confidence in LuxQuanta's potential to lead the global transition to quantum-safe infrastructure,

contributing to Europe's leadership in quantum innovation.

### **Scaling for the Future**

With headquarters in Barcelona and business unit in Madrid, LuxQuanta employs a diverse team representing over 12 nationalities. The company plans to relocate to larger facilities, ramp up production, and selectively expand into new markets in Europe and beyond. The funding will also fuel advancements in integrated photonics, a key technology for reducing

costs and enhancing scalability, positioning LuxQuanta to meet the growing global demand for quantum-safe solutions.



Vanesa Diaz, CEO of LuxQuanta