

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 i¿½harvest now, decrypt lateri¿½ threatening data security to ay. Transitioning to quantum-safe infrastructures is also a complex, long-term process hat demands immediate action if public and private entities want to remain its confidential ata protected. LuxQuanta's flagship prod **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.

i¿½This Series A funding is a powerful validation of our vision to safeguard glob l communications in the quantum era,i¿½said **Vanesa Diaz, CEO of LuxQuanta**. i¿½With th s investment, we will scale our operations, enhance our technology, and expand our glob l footprint. The journey to quantum-safe networks is critical, and it starts now. We' e committed to making quantum security accessible and reliable for organizatio

s worldwide.i¿½

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. i¿½LuxQuanta's proven CV-QKD technology and successful deployments position it as a leader in quantum cybersecurity,i¿½ said Ismael Almazan, Partner at Big Sur Ventures. i¿½Their focus on integrated photonics is a game-changer, and we're thrilled to support the r mission to set a global standard for quantum-safe infrastructure.i¿½

A&G Energy Transition Tech Fund, an investment strategy managed by A&G Global Investors, brings strategic vision to LuxQuanta's mission. i¿½LuxQuanta's quantum-safe solutions a e uniquely positioned to secure critical environments, aligning perfectly with our focus n essential sectors,i¿½ said Jesus Lozano, Director at A&G Global Investors. i¿½We are excit d to support their growth and facilitate the hybrid adoption of quantum technologies n industries where security and reliability are paramount.i¿½

Wayra, Telefonica´s corporate venture capital arm, reaffirmed its commitment t LuxQuanta's vision. i¿½For over a decade, Telefonica has pioneered quantum communications, and our partnership with LuxQuanta is driving industry transformation,i¿½ said Paloma Castellano, Managing Director at Wayra Spain. i¿½This funding accelerates t e deployment of CV-QKD solutions, enhancing security for our customers and strengtheni g Europe's technological sovereignty.i¿½

GMV, a global technology company with extensive experience in space, cybersecurity, defence, Intelligent Transportation Systems and telecommunications strengthens LuxQuanta's technical and market capabilities. i¿½LuxQuanta's CV-QKD technolo y represents a breakthrough in securing communications for the quantum age,i¿½ said Jesus B. Serrano, CEO of GMV. i¿½We are proud to partner with LuxQuanta to drive indust y transformation, continue fostering European innovation in quantum-safe cybersecurity, a d ensure the provision of the state-of-the-art and highly secure solutions for our customers n critical sectors worldwide.i¿½

The European Innovation Council (EIC), through its Accelerator program, reinforces LuxQuanta's role in advancing Europe's quantum technology landscape. i¿½LuxQuanta s innovative CV-QKD solutions are critical for securing the future of digital communications,i¿½ said Lars Frolund, the EIC Fund Board member. i¿½EIC Fund's investment reflects confiden e in LuxQuanta's potential to lead the global transition to quantum-safe infrastructur , contributing to Europe's leadership in quantum innovation.i¿½

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