Geneva, October 18th 2021

ID Quantique unveils the Cerberis XGR, its 4th generation of Quantum Key Distribution (QKD) platform designed for Academia, Research institutes and Innovation labs

ID Quantique (IDQ), the world leader in quantum cybersecurity, today launched the Cerberis XGR, an open QKD platform designed as a versatile research tool for academic and technology evaluation labs wanting to test the technology, run QKD testbeds or build a quantum lab.

Safety of current encryption methods, and especially of the key exchange mechanisms based on asymmetric cryptography, is a major concern today particularly for governments and enterprises which must protect data for five to ten years or more. Possible back-doors in current systems combined with massive computing power already put high-value sensitive data at risk of being decrypted by malevolent actors. Moreover, the arrival of quantum computers will render asymmetric key exchanges unsafe: encrypted data can be stored now and easily decrypted later.

Quantum Key Distribution (QKD) enables unbreakable communications and future-proof data privacy. It is the only known cryptographic technique which provides proven secrecy of encryption keys, as well as long-term data confidentiality and integrity. ID Quantique has been helping companies to get started with Quantum Cyber Security for 20 years. Since 2007, it has commercialized QKD systems to governments, enterprises, and industrial customers in more than 60 countries and on every continent.

Recently, IDQ launched its 4th generation of QKD Systems, the XG series. The Cerberis XGR is the second model in the series.

This open QKD platform is designed for academia, research institutes and innovation labs wanting to evaluate and test the technology.

Users can experiment different parameter set-up and configurations, in both automated and manual modes. Its user-friendly interface and comprehensive software suite with full real-time monitoring and management system enables to easily familiarize oneself with this technology and gain knowledge.

ID Quantique also offers on-demand services such as tailored training, product customization or quantum risk assessment to best fit its users' needs.

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> *The study of QKD has acquired a new sense of urgency: it is simply not possible to wait until the arrival of quantum computers to design and test suitable cryptographic methods. The Cerberis XGR will help teams get started with QKD and evaluate how it fits into networks. Its design and associated services are made to help any organization get started now and lead quantum innovation in their respective field.*
>
> Grégoire Ribordy, CEO and co-founder of ID Quantique

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Register for the launch webinar

About ID Quantique

Founded in 2001 as a spin-off of the Group of Applied Physics of the University of Geneva, ID Quantique is the world leader in quantum-safe crypto solutions, designed to protect data for the future. The company provides quantum-safe network encryption, secure quantum key generation and Quantum Key Distribution solutions and services to the financial industry, enterprises and government organizations globally. IDQ's quantum random number generator has been validated according to global standards and independent agencies, and is the reference in highly regulated and mission critical industries – such as security, encryption, critical infrastructure and IoT – where trust is paramount.

Additionally, IDQ is a leading provider of optical instrumentation products, most notably photon counters and related electronics. The company's innovative photonic solutions are used in both commercial and research applications.

IDQ's products are used by government, enterprise and academic customers in more than 60 countries and on every continent. IDQ is proud of its independence and neutrality, and believes in establishing long-term and trusted relationships with its customers and partners.

For more information, please visit www.idquantique.com.

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