



Press Release

Geneva, Switzerland, 25 October 2018

InfoSec Global and ID Quantique collaborate to provide a Quantum-Powered Crypto-Agile VPN, delivering the Industry's Strongest Security Transmission for Wide Area Communications

InfoSec Global (ISG) and ID Quantique today announced a collaboration that for the first time delivers a Quantum-Safe VPN, including cryptographic agility and Quantum Random Number Generation (QRNG).

ISG's Agilesec VPN is an enterprise-ready VPN which allows customers to protect their networks with trusted sovereign or custom cryptographic algorithms along with the strongest internationally standardised cryptography. Agilesec VPN also enables the secure upgrade of already-deployed networks to next generation quantum-resistant (post quantum) cryptographic primitives any time in the future. Agilesec VPN already includes such post-quantum cryptography implementations, making quantum-safe wide area network deployments a reality.

The solution combines the best of ISG's cryptographic agility with IDQ's Quantis Quantum Random Number Generator (QRNG) for stronger encryption inside one single device. The Quantis QRNG card from ID Quantique is at the heart of the system, generating the seed material for the encryption algorithms and also for authentication between devices. Quantum physics is the only theory within the fabric of modern physics that integrates randomness. ID Quantique's Quantis QRNG harnesses this fundamental randomness to generate truly (provably) random numbers. It also has the advantage over other conventional randomness sources in being invulnerable to environment perturbations and by allowing live status verification. IDQ's QRNG has been certified by leading institutes and governments worldwide, including according to the stringent AIS 31 standard for the German BSI.

The collaboration between the two companies delivers a quantum-powered crypto agile Layer 3 VPN solution to customers to ensure data integrity and confidentiality for today and tomorrow's evolving data environment.

"This partnership enables our companies to jointly provide a unique quantum-powered crypto agile solution in a ready to use and powerful VPN for wide area networks." said Nagy Moustafa, CEO and co-founder of ISG.

"This complements our range of existing quantum-safe security solutions, allowing us to offer a broader range of options to address new threats from upcoming quantum computers and the increase in constantly evolving cyber attacks." said Grégoire Ribordy, CEO of ID Quantique.

About InfoSec Global Inc.

InfoSec Global delivers a next generation enterprise grade solution that provides the life-cycle management of the cryptography and digital identities for critical systems and IoT devices. The AgileSec Platform manages the entire digital and cryptographic life cycle from the discovery of threats and vulnerabilities to the updates and fixes of cryptography, keys and certificates. ISG helps governments and enterprises achieve trust through compliance to cryptographic regulations, worldwide. The ISG leadership team has deep professional and academic expertise in the security and cryptography market. The founders and board members are the original inventors of key cryptographic technologies, protocols and standards such as SSL and AES.

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

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 organisations 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.