

Eviden supports post-quantum algorithms with its network security solution 'Trustway IP Protect'

Paris, France – October 11, 2023 – Eviden, the Atos Group business leading in security today announces its Trustway IP Protect IPSec network security solution will soon support post-quantum algorithms, and expands strategic partnership with CryptoNext Security, European leader and pioneer in next-generation post-quantum cryptography.

As quantum computers are a soon-to-become reality, Eviden anticipates its arrival along with its associated security risks by upgrading its Trustway portfolio to be "post-quantum ready". Trustway IP Protect will enable customers to migrate progressively towards hybrid encryption solutions, thanks to the integration of post-quantum cryptographic algorithms from [CryptoNext Security](#).

With the latest upgrade of **Trustway IP Protect**, which will be available in Q1 2024, Eviden has effectively implemented the ANSSI recommendations¹ that advocate a gradual, step-by-step transition towards post-quantum solutions. The primary objective is to progressively increase trust in post-quantum algorithms and their uses, while safeguarding the integrity of traditional (pre-quantum) security measures to prevent any setbacks.

[Trustway IP Protect](#) is designed to protect customers from the risks of economic espionage and intrusion into IT infrastructures. Based on a crypto module developed in France Trustway IP Protect range offers the most advanced security features to protect communications up to sensitive environments. It is currently going through the ANSSI² Standard Qualification (ANSSI QS) and Common Certified EAL4 certification processes, to ensure the highest level of confidentiality to network communications protection.

"We strive to deliver innovative, high-security systems which are future-ready. Through our continued and sustainable partnership with CryptoNext teamed with our own cryptographic systems expertise, we are supporting our partners and customers with our future-proof solutions in order to be prepared for the post-quantum era." said **Philippe Duluc, Chief Technology Officer, Big Data and Security activities at Eviden, Atos Group.**

Jean-Charles Faugère, Founder and CTO of CryptoNext Security added: *"This is a high recognition from an undisputed global and European leader for CryptoNext Security leadership in PQC systems and solutions migration. Scaling up after our involvement in the Proteccio PQC announcement, we are proud to contribute to such excellence and sovereign solutions, leveraging*

¹ Scientific and technical advice of the ANSSI on the migration to post-quantum cryptography, 14/04/2022 – [Direct link here](#) (French).

² ANSSI is [The National Cybersecurity Agency of France](#).

Eviden's reputation for long-term innovation and market accuracy. Such an announcement also demonstrates the value of our long-term partnership."

Post-quantum cryptography is at the core of Eviden's work, with the launch of the first 'post-quantum ready' Hardware Security Module and digital identity solutions earlier this year. In addition, the Atos Group, through its Eviden business line, is a pioneer in quantum computing. The Group launched the first quantum emulator on the market in 2016 and now offers the most powerful quantum computing application development platform, coupled with a consultancy offering that accelerates real quantum applications through all-in-one capabilities and a best-in-class development environment.

About Eviden³

[Eviden](#) is a next-gen technology leader in data-driven, trusted and sustainable digital transformation with a strong portfolio of patented technologies. With worldwide leading positions in advanced computing, security, AI, cloud and digital platforms, it provides deep expertise for all industries in more than 47 countries. Bringing together 55,000 world-class talents, Eviden expands the possibilities of data and technology across the digital continuum, now and for generations to come. Eviden is an Atos Group company with an annual revenue of c. € 5 billion.

About Atos

[Atos](#) is a global leader in digital transformation with 107,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea), and listed on Euronext Paris.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

About CryptoNext Security

CryptoNext was created in 2019, following more than twenty years of academic research in quantum-resistant cryptography by its founders. It offers its Quantum Safe Remediation software suite (C-QSR), which is natively agile and performance-optimized for a wide variety of CPU/OS platforms. C-QSR includes NIST standard Post-Quantum Cryptography (PQC) algorithms as well as the recommendations of the European National Security Agencies, and those related to protocol and certificate hybridization. C-QSR includes a complete set of integration tools and post-quantum application plugins for a broad range of uses such as business applications, secure messaging, HSM, VPN, PKI, Signature and Certificate Solutions, IoT, Blockchain and more.

Selected by the US National Cybersecurity Center of Excellence (NCCoE) for the "Migration to Post-Quantum Cryptography" work group, and named by Gartner as one of the Top 5 leaders in PQC, CryptoNext works with its customers to support them in their post-quantum migration roadmap for long-term efficiency.

Press contacts :

³ Eviden business is operated through the following brands: Alia Consulting, AppCentrica, ATHEA, Atos Syntel, Bull, Cloudamize, Cloudeach, Cryptovision, DataSantics, digital.security, Eagle Creek, EcoAct, Edifixio, Energy4U, Engage ESM, Evidian, Forensik, IDEAL GRP, IDnomic, In Fidem, Ipsotek, Maven Wave, Miner & Kasch, Motiv, Nimbix, Processia, Profit4SF, science+computing, SEC Consult, Visual BI, Worldgrid, X-Perion, zData Eviden is a registered trademark. © Eviden SAS, 2023.

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