

## Atos delivers Quantum-Learning-as-a-Service to Xofia to enable artificial intelligence solutions

**Paris, Irving, Texas, August 28, 2019** – Atos, a global leader in digital transformation, today announced the delivery of Quantum-Learning-as-a-Service (QLaaS) to Xofia to help develop quantum-powered artificial intelligence solutions for the enterprise.

Xofia is a startup based in Houston that combines artificial intelligence with quantum-based algorithms to implement problem-solving strategies to create a futuristic platform for the enterprise. Engaging Atos' QLaaS model, Xofia's research and development team will access a remote Atos Quantum Learning Machine, a stand-alone appliance that provides access to an evolutive quantum programming environment and simulates the behavior of any kind of quantum computing technology. Atos will also support Xofia's efforts by providing quantum consulting, training and system administration services.

*"Our collaboration with Xofia is part of our strategy to support a large ecosystem of startups in the quantum computing field. With Xofia we will help create quantum-powered AI solutions that have scalability, high performance and the ultimate power of simulation that is needed to solve future big data challenges that are inevitable within the enterprise,"* said **Ludovic Sauvage, Head of Big Data, High Performance and Quantum Computing, Atos North America.**

*"Xofia and Atos are fostering the development of quantum software, and our work aims to provide the enterprise with insights, value and a competitive advantage,"* said **Carlos Sanmiguel, Lead Visionary, Xofia.**

Xofia's quantum-based algorithms already support two main use cases for which Atos' QLaaS will aid:

**Energy:** The compression of big data in reservoir management significantly reduces the number of features that are part of the reservoir analysis, resulting in patterns that could oversimplify the risk or potential of a reservoir. Xofia aims to reduce this oversimplification by developing quantum algorithms that can have a more comprehensive feature selection and more accurate pattern matching.

**Healthcare:** Xofia aims to bridge the gap between accurate and affordable image processing by developing and implementing quantum-based algorithms and quantum simulations that can reduce the cost and time of image processing. Quantum Image Processing can be the key to reduce the complexity of image processing and reduce the

market distortion for a more democratic and decentralized access.

To learn more about how Atos addresses the quantum revolution with the Atos Quantum Learning Machine and services, visit [here](#).

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### **About Atos**

Atos is a global leader in digital transformation with over 110,000 employees in 73 countries and annual revenue of over € 11 billion. European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. The group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information technology space. Its expertise and services support the development of knowledge, education as well as multicultural and pluralistic approaches to research that contribute to scientific and technological excellence. Across the world, the group enables its customers, employees and collaborators, and members of societies at large to live, work and develop sustainably and confidently in the information technology space.

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