

## Atos delivers its Quantum Learning Machine to Japan

Paris, May 13, 2020 - [Atos](#), a global leader in digital transformation, today announced that it has sold its Atos Quantum Learning Machine (QLM), the [world's highest-performing commercially available quantum simulator](#), through its APAC distributor Intelligent Wave Inc. (IWI), in Japan. This is the first QLM that Atos has sold in Japan.

Quantum computing is a key priority for Japan. It launched a dedicated ten-year, ¥30 billion (\$280 million) quantum research program in [2017](#), followed by a ¥100 billion (\$900 million) investment into its [Moonshot R&D Program](#) - one focus of which will be to create a fault-tolerant universal quantum computer to revolutionize the economy, industry, and security sectors by 2050.

Combining a high-powered, ultra-compact machine with a universal programming language, the [Atos Quantum Learning Machine](#) enables researchers and engineers to develop and experiment with quantum software. It is the world's only quantum software development and simulation appliance for the coming quantum computer era. It simulates the laws of physics, which are at the very heart of quantum computing, to compute the exact execution of a quantum program with double-digit precision.

*"We're delighted to have sold our first QLM in Japan, thanks to our strong working partnership with Intelligent Wave Inc. We are proud to be part of this growing momentum as the country plans to boost innovation through quantum. Japan understands that quantum research requires a long-term vision and nurtures innovation at every level to build its future success in the field" said **Nouridine Bihmane, Head of Growing Markets and Head of B&PS Public & Regional at Atos.** "The Atos Quantum Learning Machine enables businesses to develop and experiment with quantum processes and delivers superior simulation capabilities to speed innovation."*

The introduction of the Atos QLM enables companies to prepare algorithms tailored to their own use cases and adapt them to current and future quantum technologies. It also supports research and educational institutions in training human resources to quantum programming and to promote advanced research on these topics.

The Atos QLM simulates the behavior of a quantum computer, meaning that quantum algorithms can be developed without the need for quantum hardware. As the Atos QLM is hardware-agnostic, quantum algorithms developed on it can be executed on any quantum computer from any manufacturer.

Atos QLM users continue to grow. Launched in 2017, the QLM is being used in numerous countries worldwide including [Austria](#), Finland, [France](#), [Germany](#), India, Italy, the Netherlands, Senegal, [UK](#) and the [United States](#), empowering major research programs in various sectors. Atos' ambitious program to anticipate the future of quantum computing - the '[Atos Quantum](#)' program - was launched in November 2016. As a result of this initiative, Atos was the first organization to offer a [quantum noisy simulation module](#) within the Atos QLM.

More information about Atos Quantum Learning Machine: <https://atos.net/en/solutions/quantum-learning-machine>

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### **About Atos**

Atos is a global leader in digital transformation with 110,000 employees in 73 countries and annual revenue of € 12 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 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.

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