PRESS RELEASE

OVHcloud purchases its first Quandela quantum computer to spur innovation in the Quantum ecosystem

Roubaix – March 16th 2023 – OVHcloud, the European cloud leader, further confirms its ambitions and support of the growing quantum computing ecosystem with the purchase of its first quantum powered machine to kick-off new efforts in the fields of research and development. Designed by French company Quandela, the MosaiQ computer is powered by a photonic processor.

Doubling down on its efforts in quantum computing, the Group's goal is to provide its research and development department with the right tools to experiment with a Quantum Processing Unit (QPU) based machine for various use cases. This comes in addition to the announcement, last summer, of a plan to offer quantum-based calculation as-a-service through several emulators, including Perceval, the programming framework developed by Quandela.

Staying true to its commitment towards open ecosystems, OVHcloud actively supports development efforts in the field of quantum computing via its France Quantum conference initiative, where OVHcloud is a co-founding member, and through its Startup Program. The latter provides technical assistance as well as credits elevating innovation in quantum computing with startups, active both in the hardware and software fields. Over the years, this commitment already led to significant breakthroughs with Quandela's early proof of concept effectively using OVHcloud infrastructure and Quandela's first customers being able to connect to their QPU through OVHcloud. Quandela's Perceval notebook is also available here for OVHcloud Public Cloud customers so that they can discover quantum emulation.

"With this new purchase, OVHcloud is delighted to become Europe's first Cloud Service Provider to order a photonic quantum system. What can better embody the Innovation for Freedom purpose we serve than the totally disruptive field of quantum computing?" said Miroslaw Klaba, R&D Director OVHcloud.

Marking a significant milestone and paving the way for a quantum ready future, Quandela's system is expected for delivery sometime this fall. It relies on an upgradeable

platform thanks to the use of photonics. With a QPU that can be reconfigured, the system will prove to be upgradable through new modules to quickly ramp up the overall computing capabilities.

"We are very grateful for the confidence OVHcloud places in us with this order. This is the first QPU order for our startup, and it represents a significant achievement after having been the first European startup to connect a quantum computer in a public cloud. This first version will deliver a computing power of 2 qubits and will be easily upgradable with our modular approach. " said Valerian Giesz, CEO & cofounder of Quandela.

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About OVHcloud

OVHcloud is a global player and the leading European cloud provider operating over 450,000 servers within 33 data centers across 4 continents to reach 1,6 million customers in over 140 countries. Spearheading a trusted cloud and pioneering a sustainable cloud with the best price-performance ratio, the Group has been leveraging for over 20 years an integrated model that guarantees total control of its value chain: from the design of its servers to the construction and management of its data centers, including the orchestration of its fiber-optic network. This unique approach enables OVHcloud to independently cover all the uses of its customers so they can seize the benefits of an environmentally conscious model with a frugal use of resources and a carbon footprint reaching the best ratios in the industry. OVHcloud now offers customers the latest-generation solutions combining performance, predictable pricing, and complete data sovereignty to support their unfettered growth.

About Quandela

Quandela, leader in quantum photonics, develops full-stack optical quantum computers, available both on [cloud](#) and on-premises. Quandela is a complete player in photonic quantum computing and is currently the largest Quantum photonics player in Europe. In 2022, Quandela released its photonic computer programming and simulation software, Perceval. Today, the company offers a cloud access to Ascella, its first 6-qubit quantum computer since the fall of 2022. Quandela also advises and works with various

companies and organizations, in the exploration and development of first use cases using photonic quantum computers.

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