

Eviden celebrates its 10th Quantum Advisory Board

Paris, France – December 5, 2023 – Eviden, the Atos Group business leading in advanced computing, today held its 10th Quantum Advisory Board – a group of international experts, mathematicians and physicists, authorities in their fields, including winners of two Nobel Prizes - to assess the evolution of the market, and to discuss and advance on the Group's quantum strategy.

Held at the Group's headquarters in Bezons (France), the Quantum Advisory Board reviewed Eviden's recent works and successes and focused on the evolution of quantum technology and potential scientific breakthroughs on the market. The Group has put a strong emphasis on its hybrid computing strategy giving HPC end-users privileged access to quantum use cases. This strategy takes advantage of Eviden's strong position in the HPC market – #3 worldwide with [two systems listed in the world's 10 most powerful supercomputers](#).

2023 has been a busy year for Eviden's quantum teams, first with [the launch of Qaptiva](#), a brand-new quantum computing offering already in use by several customers around the world. In the wake of this launch, the teams announced [several major technological evolutions](#), including the strengthening of NISQ-compatible approximate emulation capabilities and the launch of Q-pragma, an environment that helps HPC centers use quantum algorithms and implement HPC-Quantum hybridization. The Qaptiva solution, deployed at GENCI (Grand Equipement National de Calcul Intensif) and Forschungszentrum Jülich (FZJ) computing centers, already enables quantum processors to be connected to the HPC environment.

Eviden has also strengthened its quantum partner ecosystem, a critical pillar of its Qaptiva offering, in particular with ColibrITD, Multiverse Computing, QuantFI, Quobly, QbitSoft, Qubit Pharmaceuticals, QuRISK as well as Alice & Bob, IQM, Quandela and Pasqal for the hardware side. In France, Eviden is also one of the founding members of the first Maison du Quantique, launched by Le Lab Quantique.

Alain Aspect, Professor at the Institut d'Optique Graduate School, Université Paris-Saclay and at Ecole Polytechnique, Institut Polytechnique de Paris, Nobel Laureate 2022 in Physics said *"With its remarkable quantum emulator, Atos - now Eviden - offers quantum computer scientists around the world the opportunity to test their most advanced ideas for developing quantum algorithms that have the potential to revolutionize a number of fields, from drug design to optimization problems inaccessible to conventional computers. Recent progress in the field of quantum error correction demonstrates the relevance of the choice made by Atos almost ten years ago, which is now proving to be particularly judicious. Eviden's teams are ready to take advantage of recent and future advances."*

Yves Bernart, Atos Group CEO, highlighted *« As a pioneer in quantum computing with the first quantum emulator on the market in 2017, Eviden is committed to fostering a strong ecosystem to anticipate the future of quantum computing and its*

impact on today's economy and industry. With a scientific approach that has a tangible impact on the industrial world, Eviden offers the best of both worlds to drive forward the quantum computing revolution, so as to better serve its customers in concrete terms. »

The Quantum Advisory Board comprises universally recognized quantum physicists and includes:

- Alain Aspect, Professor at the Institut d'Optique Graduate School, Université Paris-Saclay and at Ecole Polytechnique, Institut Polytechnique de Paris, Nobel Laureate 2022 in Physics;
- David DiVincenzo, Director of the Institute for Theoretical Nanoelectronics at the Juelich Research Center and Professor of Physics at RWTH Aachen University;
- Artur Ekert, Professor of Quantum Physics at the Mathematical Institute, University of Oxford and Founding Director of the Centre for Quantum Technologies in Singapore;
- Daniel Esteve, Research Director, CEA Saclay, Head of Quantronics;
- Serge Haroche, Professor emeritus at the Collège de France, Nobel Laureate 2012 in Physics.

About Eviden¹

[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 53,000 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 c. 105,000 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.

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¹ *Eviden business is operated through the following brands: AppCentrica, ATHEA, Cloudamize, Cloudreach, Cryptovision, DataSantics, Edifixio, Energy4U, Engage ESM, Evidian, Forensik, IDEAL GRP, In Fidem, Ipsotek, Maven Wave, Profit4SF, SEC Consult, Visual BI, Worldgrid, X-Perion. Eviden is a registered trademark.*