

Eviden to Deliver Finland's Next National AI Supercomputer, Tripling its Computing Power

Paris, France – November 20, 2024 – [Eviden](#), the [Atos Group](#) business leading in advanced computing, today announces a contract of up to 60 million euros as part of a framework agreement with CSC – IT Center for Science in Finland to provide it with "Roihu", which will be Finland's newest national supercomputer and which will triple the computing capacity of the existing systems, "Mahti" and "Puhti", also will also significant increase AI performance.

Built on Eviden's BullSequana XH3000 hybrid platform, the new Roihu system will provide an increased performance of up to a theoretical peak power of 49 petaflops. Benefitting from a GPU capacity of over 10x compared to the Puhti supercomputer currently in use, the system will cover a wide range of use cases, including the analysis of audio and video recordings, AI applications across diverse fields, and traditional simulations like fluid dynamics and climate modeling.

Additionally, Roihu is poised to revolutionize educational access in higher learning institutions, providing a flexible, scalable resource for a broad range of users. This growing area may not demand massive computing power, but it plays a critical role in training the next generation of researchers and industry experts across all disciplines.

Pekka Lehtovuori, Director, CSC said *"Finland has invested in its own national computing environment on a long-term basis. We need to be able to serve all researchers who need data management and computing resources. Computational grand challenges that require very high computing resources will still be solved with the pan-European EuroHPC LUMI supercomputer. Roihu's mission as a national supercomputer is to complement LUMI and to offer competitive resources to the majority of Finnish researchers."*

Bruno Lecointe, VP, Global head of HPC, AI and Quantum Computing, Eviden, Atos Group, said *"Roihu is a significant investment in Finland's national research infrastructure, set to triple the current supercomputing resources and become a major accelerator for scientific breakthroughs. CSC – IT Center for Science is a world-renowned research center, equipped with some of the most powerful systems globally. It is an honor to support them and Finland on their large-scale simulation journey. With our BullSequana DLC technologies, we will support Finnish research while ensuring reduced environmental impacts. Together, we are advancing sustainable HPC AI computation, ensuring Finland remains at the forefront of innovation to leverage AI workloads."*

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 41,000 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. 82,000 employees and annual revenue of c. € 10 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 CSC – IT Center for Science

CSC is a Finnish center of expertise in ICT that provides world-class services for research, education, culture, public administration and enterprises, to help them thrive and benefit society at large. www.csc.fi

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