



Press Release

Atos inaugurates BullSequana XH2000 at CSC – the fastest supercomputer in the Nordics

Espoo, Finland; Paris, France - 7 October 2020 – [Atos](#), a global leader in digital transformation, today announces the inauguration of its BullSequana XH2000 supercomputer, named Mahti, at CSC – the Finnish IT Center for Science Ltd. The [virtual ceremony](#) is opened by Director of the Finnish Ministry of Education and Culture, Erja Heikkinen, and includes presentations from six pilot users who have ran large scale simulations on the supercomputer since its installation in August.

Over the last few months, Mahti has been used by selected researchers and has enabled them to make major advances on their research projects, which include: modelling the effect of climate change on Antarctic ice sheets and sea level, using AI to simulate of carbon nanotube growth and reconstruction of the Carrington geomagnetic space storm effect.

Mahti is available to all researchers in Finnish universities and research institutes to support use cases such as supporting drug design and development, extensive molecular dynamics simulations, or to model space weather and climate change as well as speed up the fight against COVID-19.

Janne Ahonen, Country Manager Finland & Baltics, at Atos said: *"The Mahti supercomputer of CSC, the fastest computer in the Nordics, will benefit the Finnish universities and research institutes, the ecosystem of different local companies, and the Kainuu region. It's an example of what can be achieved with European cooperation, and a system delivery that Atos is very proud of. We wish there will be great scientific discoveries made possible by the high computing power of Mahti."*

"Supercomputer Mahti Inauguration completes our national next-generation computing and data management environment. It offers resources for the most demanding parallel computing applications and thus helps Finnish researchers to solve their research challenges among the first in the world. The COVID-19 pandemic is a good indication of the importance of bleeding edge national research infrastructure. We can react quickly and allocate resources to research when a critical need arises", said **Pekka Lehtovuori, Director of Computing Services at CSC.**

In 2018, [CSC – the Finnish IT Center for Science Ltd](#) chose Atos as the single vendor to deliver its upcoming CSC computing environment which consists of the next-generation supercomputer and data management systems.

As a trusted partner in high-performance computing, Atos has designed [the BullSequana range of HPC servers](#) to provide maximum flexibility in terms of interconnect, processor type, power, and cooling, and cover the widest possible spectrum of applications. Given that, the BullSequana XH2000 enables customers to benefit from the new capacities of hybrid workloads by incorporating cutting-edge networking standards, processing components and energy efficiency innovations.

Technical Details

On this BullSequana XH2000 configuration for CSC, Atos has integrated the latest Mellanox with HDR200 interconnect and AMD EPYC 2nd Gen 7H12 processors.

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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