



Press Release

The French CEA selects Atos' BullSequana XH3000

Paris, France – November 15, 2022 - Atos today announces a contract for its latest supercomputer, [the BullSequana XH3000](#), with the French Alternative Energies and Atomic Energy Commission ([CEA](#))'s Military Applications Directorate (CEA/DAM). With this very first installation worldwide, the CEA/DAM is preparing for its next computing milestones to meet the simulation needs of the French nuclear defense program. With the BullSequana XH3000, the CEA/DAM benefits from an advanced system with unprecedented performance and efficiency to prepare for the Exascale challenge.

This latest addition to the BullSequana X family will unleash the full power of hybrid computing combined with artificial intelligence up to Exascale. Thanks to its standardized modular architecture and 'OpenSequana' program, the BullSequana XH3000 brings even more flexibility with an open, scalable and future-proof platform. It will include the latest and upcoming computing and interconnect technologies including processors (CPUs) and graphics accelerators (GPUs) and will even be ready for quantum processing units (QPU) and new types of accelerators as soon they become available.

On top of providing the best performance, the BullSequana XH3000 is highly energy-efficient and provides the leading Total Cost of Ownership (TCO) on the market. Atos' next generation patented Direct Liquid Cooling (DLC) system provides 70% more cooling power than the previous generation. This solution brings unique efficiency performance: capturing more than 97% heat dispersion with 40°C data center inlet water temperature allowing real free cooling.

With its HPC systems manufactured in France, Atos, the only European manufacturer, supports private and public organizations, such as the CEA/DAM, in their European sovereignty challenges by enabling them to take full advantage of their data while maintaining the highest level of security in all circumstances.

Emmanuel Le Roux, SVP, Global Head HPC, AI and Quantum, Atos commented "*The CEA/DAM was instrumental in helping design and develop our newest BullSequana XH3000 and they will be delivered the first production unit. Atos and the CEA/DAM have been working hand in hand since 2004, we are honored by this mark of confidence that reinforces a long-standing relationship.*"

Vincenzo Salvetti, Head of the CEA's Military Applications Directorate (CEA/DAM) said "*The XH3000 is the result of a co-design collaboration between the CEA/DAM and Atos teams. The installation of this product in a production environment will allow us to support our business applications and to take full advantage of these new technologies' performance.*"

Addison Snell, CEO Intersect360 Research, said "*With BullSequana XH3000, Atos is demonstrating it can deliver supercomputing performance at the highest level of scale, combining best-of-breed technologies for scientific computing, data*

science, and artificial intelligence, all manufactured in the EU. The CEA is leading the way for next-generation innovation for Europe and for the world."

From November 13-18 2022, Atos will be at [SC2022](#): come meet our experts on booth #2809. You can also join the BullSequana XH3000, official launch ceremony, learn more about the new [Nimbix Supercomputing Suite](#) and hear the latest developments within our [ThinkAI portfolio](#).

About Atos

Atos is a global leader in digital transformation with 112,000 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 71 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 member

About CEA

The CEA is a key player in research, development and innovation in four main areas: energy transition, digital transition, technology for the medicine of the future and defence and security. With a workforce of 20,000 people, based in nine sites equipped with very large-scale research infrastructures, the CEA actively participates in collaborative projects with a large number of academic and industrial partners, in France, Europe and worldwide. According to the Clarivate 2019 ranking, it is the first French research organization in terms of the number of patents filed in France and Europe.

The CEA's Military Applications Division (CEA/DAM) takes charge of defence and security missions. The DAM is responsible for the design, manufacture and through-life support of the nuclear warheads that equip France's sea- and airborne deterrence forces and of the nuclear reactors and reactor cores on French Navy submarines and aircraft carrier. The DAM also contributes to national and global security through the technical support it provides to the authorities relative to the prevention of nuclear proliferation and terrorism in chemical, biological, radiological, nuclear and explosives domains (CBRN-E) and cybersecurity. [For more information, visit: www.cea.fr](http://www.cea.fr)

Press contacts

Constance Arnoux | constance.arnoux@atos.net | +33 6 44 12 16 35
Anne Guérin | anne.querin@cea.fr