Press Release

Eviden and AMD to Power Europe's New Exascale Supercomputer, the First Based in France

More than a single supercomputer, Alice Recoque will expand Europe's AI and research capabilities while ensuring energy efficiency and sovereignty

Paris, France – November 18, 2025 – Eviden, the Atos Group product brand leading in advanced computing, and AMD (NASDAQ: AMD) announced their selection to build Alice Recoque, a next-generation supercomputer to support the need for scientific computing (HPC) and artificial intelligence (AI), serving as an AI Factory. Alice Recoque will be France's first and Europe's second Exascale supercomputer, a machine to expand Europe's AI and research capabilities while ensuring energy efficiency and sovereignty.

This project, led by France GENCI, operated by CEA, will have the capacity to surpass one Exaflop per second (i.e. a billion billion calculations per second) for scientific simulation. This extreme performance, equivalent to more calculations than humanity could accomplish in four years of relentless mental computation, will mark a fiftyfold an increase in the computing capacity compared to the previous system, while only multiplying by 5 the electrical power.

This project, representing an overall cost of 554 million euros over 5 years of operation, is funded by EuroHPC JU, with budget stemming from the Digital Europe Programme (DEP), and by the Jules Verne consortium, led by France through GENCI and CEA with the participation of Netherlands with SURF and Greece with GRNET.

Alice Recoque will be installed within France's CEA's Very Large Computing Center (TGCC), which already hosts Eviden-built systems such as GENCI's Joliot-Curie machine and CEA's Topaze machine.

An AI-HPC Factory to Tackle Europe's Most Pressing AI Challenges

Alice Recoque will tackle Europe's most pressing societal, scientific, and industrial challenges by combining traditional High-Performance Computing (HPC) and Artificial Intelligence (AI) workloads from large-scale simulations, data analysis, and AI models.

Alice Recoque covers the entire computing lifecycle, integrating cutting-edge hardware and advanced AI software to deliver scalable high-impact solutions. This project is a live implementation of the strong collaboration and commitment from Eviden and AMD to

accelerate research and industrialization of HPC-AI use cases, with a major investment in both human and technological resources.

The acceleration partition of the Alice Recoque system will be powered by next-gen AMD EPYC™ CPUs, codenamed "Venice," AMD Instinct™ MI430X GPUs—a new MI400 Series accelerator engineered for sovereign AI and scientific computing— and AMD FPGAs. In addition, Alice Recoque will welcome a scalar compute partition based on the European Rhea2 processor developed by SiPearl. The entire system will be interconnected by Eviden's network solution (BXIv3) into its newest BullSequana XH3500 platform, along with storage solutions provided by DDN.

This powerful ecosystem will enhance climate modeling, accelerate innovation in materials and energy, enable digital twins for personalized medicine, and support next-gen European foundational AI models. It will also address the vast amount of data generated by scientific instruments such as telescopes, satellites as well as IoT devices, and AI applications, driving breakthroughs across multiple domains.

Committing to a Sovereign and Controlled Supply Chain

As a result of a shared ambition for technological sovereignty, the Alice Recoque system will integrate various European technologies, including some critical components. The entire system will be interconnected through the Eviden's BXIv3 networking technology, an efficient European alternative for interconnecting converged HPC/AI systems. On top of the Exascale system, an additional partition will integrate European SiPearl Rhea2 CPU to increase the system computation capacities.

With nearly three-quarters of the production of the BullSequana XH3500 components relocated to Europe, Eviden ensures full traceability, regulatory compliance, and reduced geopolitical risks – aligning with Europe's climate goals and reinforcing digital sovereignty through secure, sustainable, and high-performance AI-HPC technologies.

Reaching Exascale with Fewer Resources and Reduced Energy Consumption

Composed of 94 racks, Alice Recoque is expected to be one of the top supercomputers in Europe for double-precision HPC workloads. Building on this foundation, it will also offer exceptional memory performance enabling deeper insights, faster simulations, and more scientific breakthroughs. To achieve these capabilities, Alice Recoque will encompass future-ready, modular and scalable components into Eviden's recently unveiled BullSequana XH3500 architecture to address the growing demands of HPC, AI and quantum computing.

With 25% less racks and components than other Exascale systems and up to 50% better energy efficiency per GPU, Eviden's architecture will enable Alice Recoque to deliver maximum performance at minimum cost and power, to meet Europe's demanding green computing goals.

Powered by AMD Instinct MI430X GPUs, Alice Recoque supports advanced AI data types, including FP4 and FP8, providing leadership AI FLOPs. Each GPU integrates 432 GB of HBM4 memory and 19.6 TB/s of bandwidth which will enable Alice Recoque to deliver leadership capacity and throughput per GPU.

To enable the AMD Instinct GPUs to operate at full capacity and to boost distributed communication efficiency, the Alice Recoque system will be connected through Eviden's in-house interconnect technology, BXIv3. Guarantee of sovereignty, this European network solution will seamlessly connect all components of the system, delivering faster application performance and optimized resource utilization.

Eviden's integrated hardware and smart software will deliver leading computing power with improved application workload energy efficiency, which is expected to reach about 20%, compared to equivalent exascale systems, a major step towards frugal AI. Real-time monitoring and energy optimization are enabled by Eviden's Argos intelligent software, while its unique 5th generation Direct Liquid Cooling technology uses warm water to cool 100% of all-in-one rack components, delivering efficiency and sustainability at scale.

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Key figures

- Overall project cost of 554 million euros over 5 years
- Peak performance of 1 exaflop (i.e. 1 billion billion calculations) per second for double precision workloads
    - The equivalent of more calculations than humanity could accomplish in four years of relentless mental computation
    - The equivalent of 10 million modern desktop computers
    - Increase by 50 in CEA's supercomputing center (TGCC) computing capacity, while only multiplying by 5 the electrical power
- 94 racks, 280km of cabling, 280 tons over 174 square meters (racks + services + cabling)
    - Weight equivalent to 140 electrical vehicles or 28 city buses
    - 25% less racks and components than other Exascale systems
- Reduced energy consumption:
    - Improved application workload energy efficiency, expected to reach about 20%, compared to equivalent exascale systems,
    - Up to 50% better energy efficiency per GPU, compared to existing exascale system
    - 100% of the rack components cooled with warm water

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About Eviden

Eviden is the Atos Group brand for hardware and software products with c. € 1 billion in revenue, operating in 36 countries and comprising four business units: advanced computing, cybersecurity products, mission-critical systems and vision AI. As a next-generation technology leader, Eviden offers a unique combination of hardware and software technologies for businesses, public sector and defense organizations and research institutions, helping them to create value out of their data. Bringing together more than 4,500 world-class talents and holding more than 2,100 patents, Eviden provides a strong portfolio of innovative and eco-efficient solutions in AI, computing, security, data and applications.

About Atos Group

Atos Group is a global leader in digital transformation with c. 67,000 employees and annual revenue of c. €10 billion, operating in 61 countries under two brands — Atos for services and Eviden for products. European number one in cybersecurity, cloud and high-performance computing, Atos Group is committed to a secure and decarbonized future and provides tailored AI-powered, end-to-end solutions for all industries. Atos Group is the brand under which Atos SE (Societas Europaea) operates. Atos SE is listed on Euronext Paris.

The purpose of Atos Group 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 AMD

For more than 55 years AMD has driven innovation in high-performance computing, graphics and visualization technologies. AMD employees are focused on building leadership high-performance and adaptive products that push the boundaries of what is possible. Billions of people, leading Fortune 500 businesses and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work and play. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) website, blog, LinkedIn and X pages.

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