

Eviden wins a \$100M deal in India to deliver two new supercomputers

Eviden will triple the computing capacity of the Indian Institute of Tropical Meteorology (IITM) and the National Center for Medium Range Weather Forecast (NCMRWF)

Paris, France – June 22, 2023 – [Eviden](#), the [Atos](#) business leading in advanced computing today announces it was awarded a major \$100M contract with NCMRWF, on behalf of the India Ministry of Earth Sciences, to build two new supercomputers dedicated to weather modelling and climate research for IITM and NCMRWF.

These systems, based on Eviden's BullSequana XH2000, will have a combined power capacity up to 21.3 Petaflops and will rely on Eviden's patented Direct Liquid Cooling technology to cool the system using warm water.

Located in Noida, the NCMRWF supercomputer will have an 8.3-Petaflop computing capacity for weather and climate modelling, to support advanced numerical weather research across India. This platform will bring together 2,100 CPU nodes with AMD EPYC™ 7643 processors, 18 GPU nodes using NVIDIA A100 Tensor Core GPUs, the NVIDIA Quantum InfiniBand networking platform, and high-performance memory provided by Micron. NCMRWF supercomputer will also have 2PB all flash and 20PB disk based DDN EXAScaler ES400NVX2 parallel filesystem storage.

The supercomputer dedicated to the Indian Institute of Tropical Meteorology (IITM, Pune) will provide 13 Petaflops of power for atmosphere and climate research. It will integrate 3,000 CPU nodes using AMD EPYC™ 7643 processors and 26 GPU nodes through NVIDIA A100 Tensor Core GPUs. The system will benefit from the NVIDIA Quantum InfiniBand networking platform with In-Network Computing, 3PB all flash and 29PB disk based DDN EXAScaler ES400NVX2 storage and Micron high-technology memory.

As part of the contract, the data centers on both sites will also be upgraded.

Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences, said *"Weather and climate research requires massive computing power. This partnership with Atos Group will augment our current capacity to increase resolutions and accuracy of weather forecasts. We look forward to Atos Group in helping us achieve this goal."*

Jean-Philippe Poirault, CEO Big Data and Security, Eviden, Atos Group highlighted *"We are honored to support, through this prestigious contract, IITM and NCMRWF, on behalf of the Ministry of Earth Sciences, in their mission to continuously improve weather modelling and climate research. With a very dynamic growth and a high-quality technological ecosystem, India is a key country for the HPC industry, positioning itself as a frontrunner on the market. The expertise of IITM and NCMRWF combined with the experience of Eviden in delivering the most*

powerful HPC systems designed for Weather Modelling will provide a unique system ready to tackle the most difficult climate research challenges.”

About Eviden¹

Eviden designs the scope composed of Atos' digital, cloud, big data and security business lines. It will be a global leader in data-driven, trusted and sustainable digital transformation. As a next generation digital business with worldwide leading positions in digital, cloud, data, advanced computing and security, it brings deep expertise for all industries in more than 53 countries. By uniting unique high-end technologies across the full digital continuum with 57,000 world-class talents, Eviden expands the possibilities of technologies for enterprises and public authorities, helping them to build their digital future. Eviden is an Atos Group business with an annual revenue of c. € 5 billion.

About Atos

Atos is a global leader in digital transformation with 110,000 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.

Press contact

Constance Arnoux – constance.arnoux@atos.net – +33 (0)6 44 12 16 35

¹Eviden business is operated through the following brands: Alia Consulting, AppCentrica, ATHEA, Atos Syntel, Bull, Cloudamize, Cloudreach, Cryptovision, DataSantics, digital.security, Eagle Creek, EcoAct, Edifixio, Energy4U, Engage ESM, Forensik, IDEAL GRP, IDnomic, In Fidem, Ipsotek, Maven Wave, Miner & Kasch, Motiv, Nimbix, Processia, Profit4SF, science+computing, SEC Consult, Visual BI, Worldgrid, X-Perion, zData
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