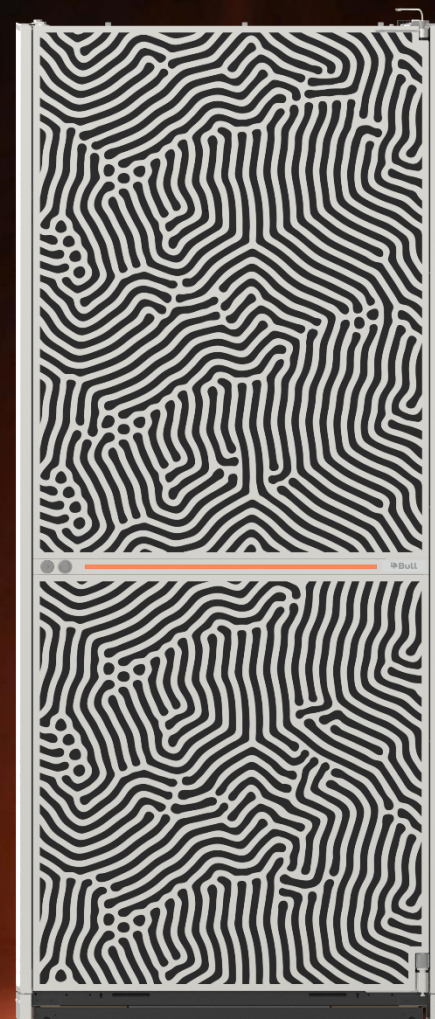


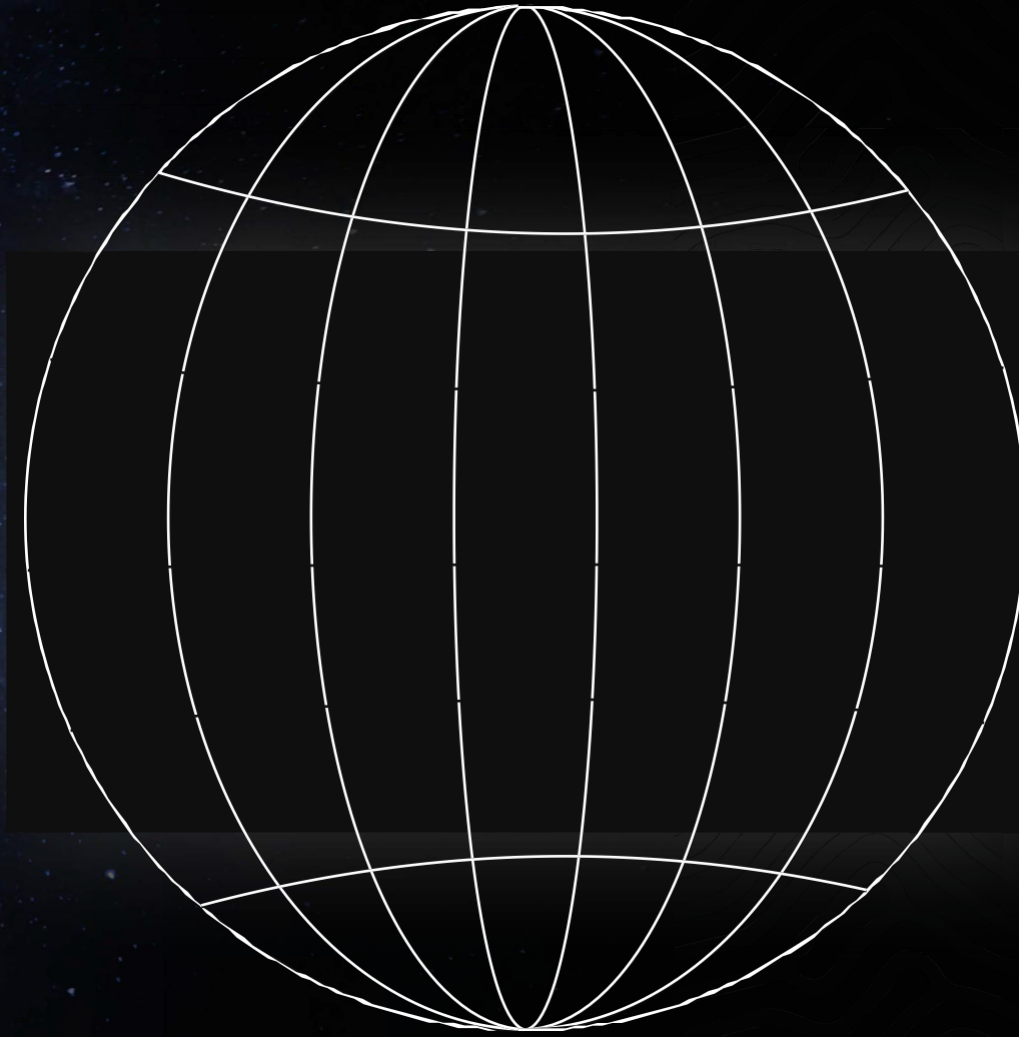
**The next-generation
Bull supercomputer**



BullSequana XH3000
Forging your insight

Exascale

The gateway to scientific and industrial breakthroughs



- **Tackle the uncharted**

Humanity is facing new challenges like global warming and the COVID-19 pandemic, which creates new business, economic and societal imperatives.

- **The incessant data deluge**

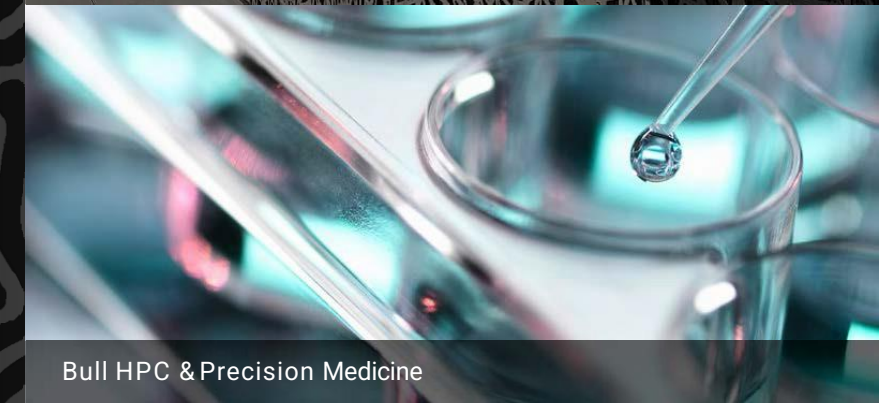
New applications, new algorithms and new technologies such as ML and AI require enormous quantities of data that must be stored, transported, and processed during the training phase with an exponential need in terms of computing power.

- **Increased data complexity**

Data is coming from diverse sources, like edge, cloud, hyperscalers and SMEs. Data quality, data structure and their origins add additional challenges in the way we analyse and simulate data.



Bull HPC powers the first EuroHPC



Bull HPC & Precision Medicine



ECMWF and Bull tackle climate challenges together



Our Exascale strategy

The future of supercomputing is hybrid

Higher Performance



Lower Carbon footprint



Sovereignty



TOP 500
The List.

&

Global efficiency at scale

Accelerated hybrid computing

- Any hardware accelerator (GPU, IPU, QPU...).
- AI and/or Quantum based parameter reduction software to optimise simulation run time.

AI-optimised system efficiency & availability

- ML based predictive maintenance for maximum uptime.
- ML based hardware and software resource usage optimisation.

BullSequana XH3000 + Bull HPC Ecosystem



Strong network of technology partners

Open Sequana program

Bull HPC Software Suites

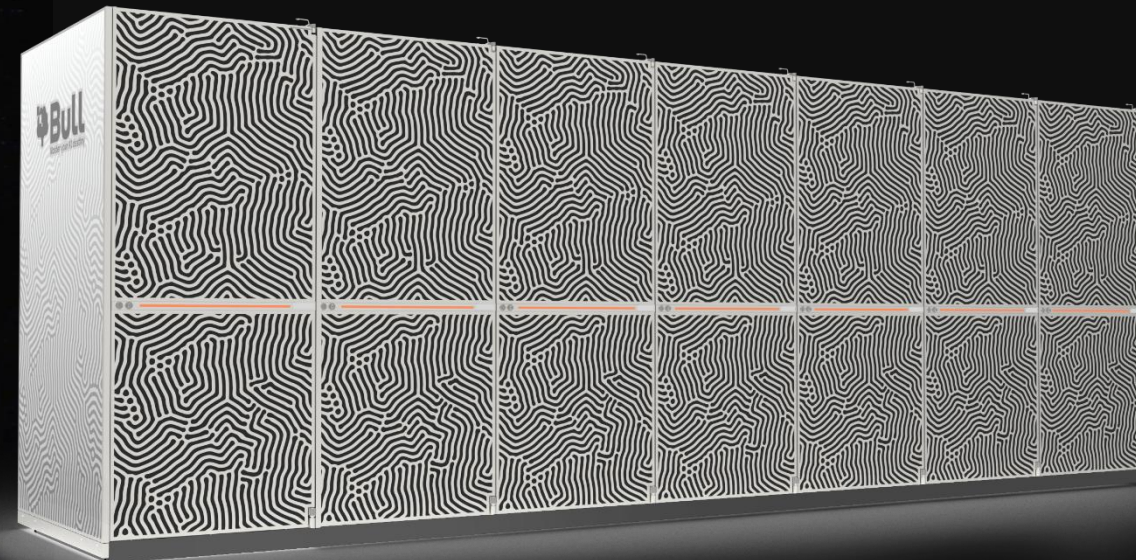
Bull HPC, AI & Quantum Centers of Excellence

Bull Professional Services

The next generation HPC supercomputer

Harness the power of greener hybrid supercomputing at any scale

BullSequana XH3000



Ready for accelerated hybrid computing

- Most powerful computing technologies embedded.
- Ready for GPU and QPU acceleration next



Any scale

- "All-In-One" rack design.
- Seamless scalability to ExaScale



Unrivalled efficiency

- 4th generation DLC technology: 97% heat dispersion at 40°C inlet water temperature.
- Smart energy management, monitoring, profiling and capping.
- Lowest TCO.



Open & future proof

- Standardised and modular design for easy future evolutions.
- Open Sequana Program to seamlessly integrate third-party party innovations.



Flexible and dense by design

- Standardised slots to mix and interchange compute and switch blades.
- Large choice of computing and interconnect technologies.
- Industry-leading density.



Secure by design

- Embedded security with hardware-anchored secure boot.
- Vulnerability monitoring and threat anticipation.

Bull HPC Ecosystem

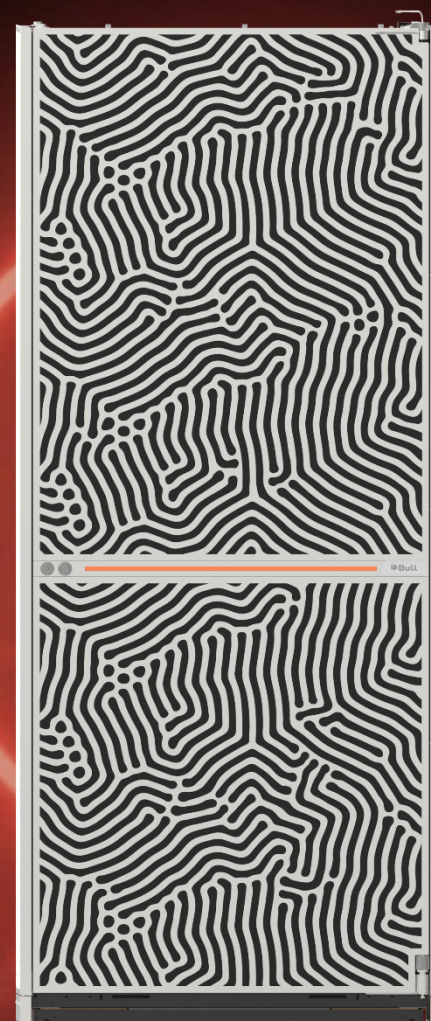
The cornerstone of unlimited innovation

Strong network of technology partners



Open Sequana program

Enables third-party companies to embed their innovations into compute blades that will integrate seamlessly into BullSequana XH3000 platform.



Bull HPC Software Suites

Robust, scalable and flexible software suites for your supercomputer and your applications:

- Smart Management Center: to operate HPC cluster at scale.
- Smart Software Suites: To understand, control and optimise energy, data and performance.
- Add-on AI capabilities: AI augmented simulation framework.
- JarviceTM: Seamless integration of HPC workloads in hybrid clouds.

[Learn more >](#)



Bull HPC, AI and Quantum Centres of Excellence

- Tailored training to acquire new skills.
- Advice from experts to get started with porting, optimisation and acceleration of simulations.
- Application and solution benchmarks.



Bull Professional Services

Broad range of onsite and remote services to support & optimise the installation, operation, maintenance, and decommissioning of your HPC System.

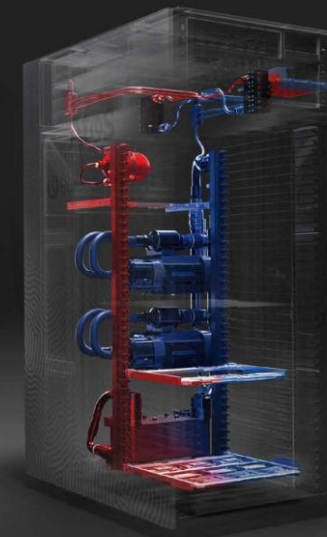
Greener HPC

Part of our DNA

The GREEN 500

1st, 2nd & 3rd
most energy-efficient
supercomputers in the
world*.

* Nov 2025 listing



1 Pioneer in Direct Liquing Cooling (DLC)



Over a decade of innovation and 72 patents.

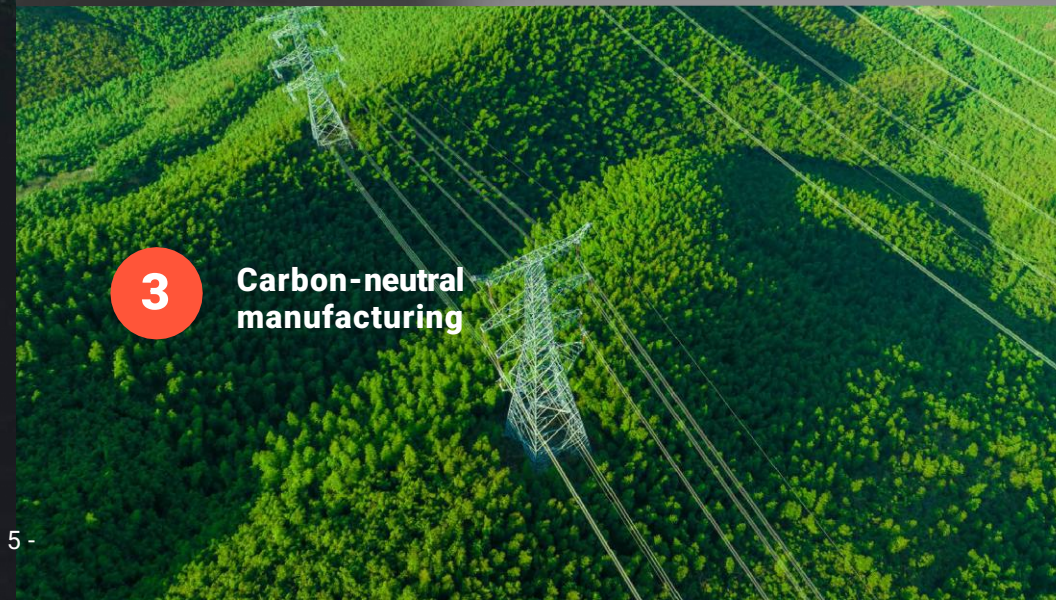


4th generation DLC technology: 97% heat dispersion at 40°C inlet water temperature.

2 Manage and optimise energy efficiency with Bull HPC Software Suites

Smart Energy Management Suite [Learn more >](#)
to monitor, control and optimise energy consumption.

Jarvice™ [Learn more >](#)
to seamlessly run HPC workloads anywhere in the cloud.




3 Carbon-neutral manufacturing



4 Complete end-to-end green hydrogen solution to power data centers developed in collaboration with HDF energy

Bull

Empower your digital and economic sovereignty

 The European HPC leader



#1 in Europe
#2 Worldwide
 for HPC, AI and Quantum.



Bull is powering 5 out of 7 supercomputers for EuroHPC JU program.



Made in Europe
 HPC, AI & Quantum solutions designed and manufactured in France.



Bull contributes to Europe's HPC projects and initiatives (EPI, EuroHPCJU, GAIA-X ,etc . . .) to ensure long-term sovereignty.



with a global footprint



A world map with a grid pattern, surrounded by logos of global partners and organizations. The logos include:

- SENAI CIMATEC SISTEMA FIEB (Federacao das Industrias do Estado da Bahia)
- METEO FRANCE
- ceea
- BMW
- Hartree Centre (Science & Technology Facilities Council)
- CINECA
- CSC
- PETROBRAS
- OAK RIDGE National Laboratory
- JÜLICH Forschungszentrum
- DKRZ (DEUTSCHES KLIMARECHENZENTRUM)
- ECMWF
- edf
- सी डैक CDAC
- GENCI (HPC at the service of knowledge)
- EuroHPC Joint Undertaking



About Bull

Leveraging nearly a century of innovations, Bull is a global leader for High-Performance Computing, Artificial Intelligence and Quantum technologies with c.720m€ in revenue and 3,000 professionals operating in 32 countries. Built on an open, end-to-end and trusted approach, Bull designs, deploys and operates hardware, software and strategic services that unlock enterprise value, accelerate scientific research and advance society. Driven by world-class R&D, backed by 1,600 patents, manufacturing excellence and data sciences expertise, Bull enables nations and industries to fully control their AI and data and to drive progress for the benefit of the planet.

Visit us at [BullSequana XH3000](#)

