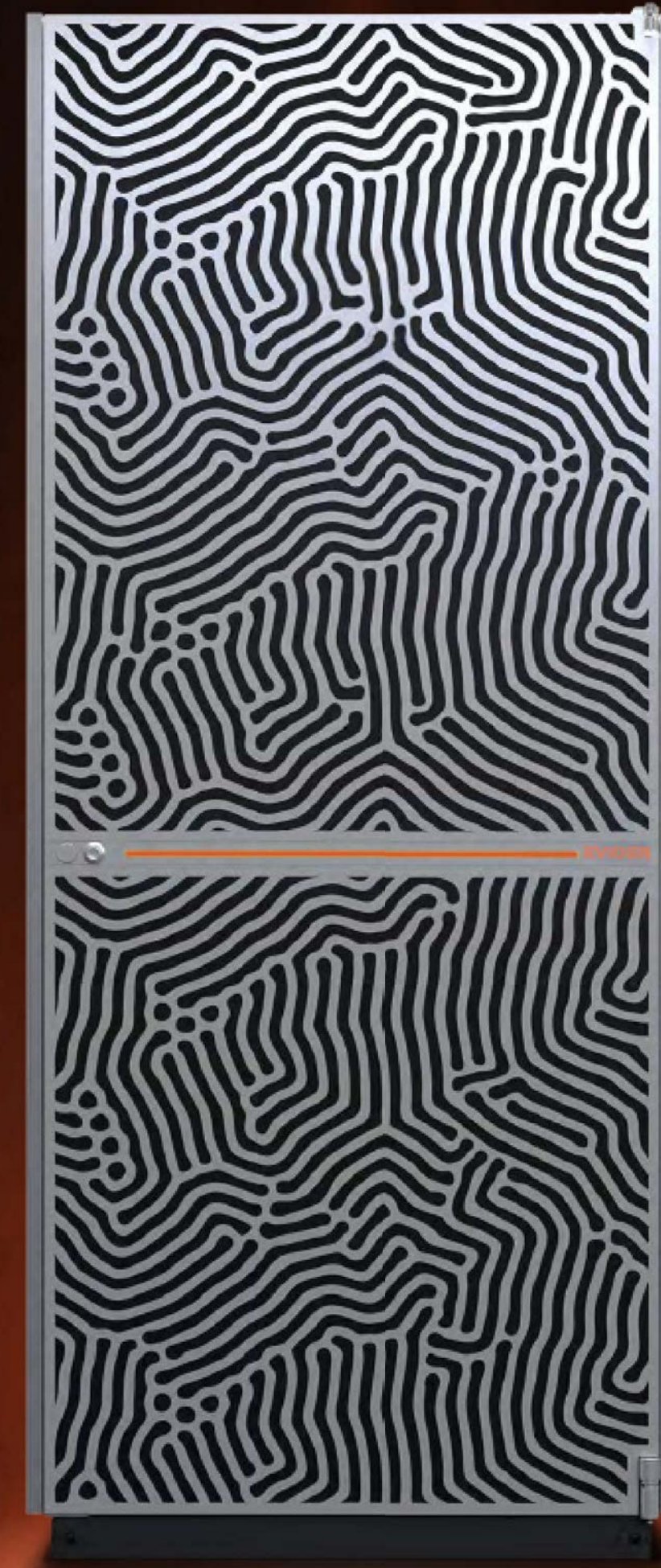


BullSequana XH3000

Forging your insight

EVIDEN

The next-generation
Eviden supercomputer

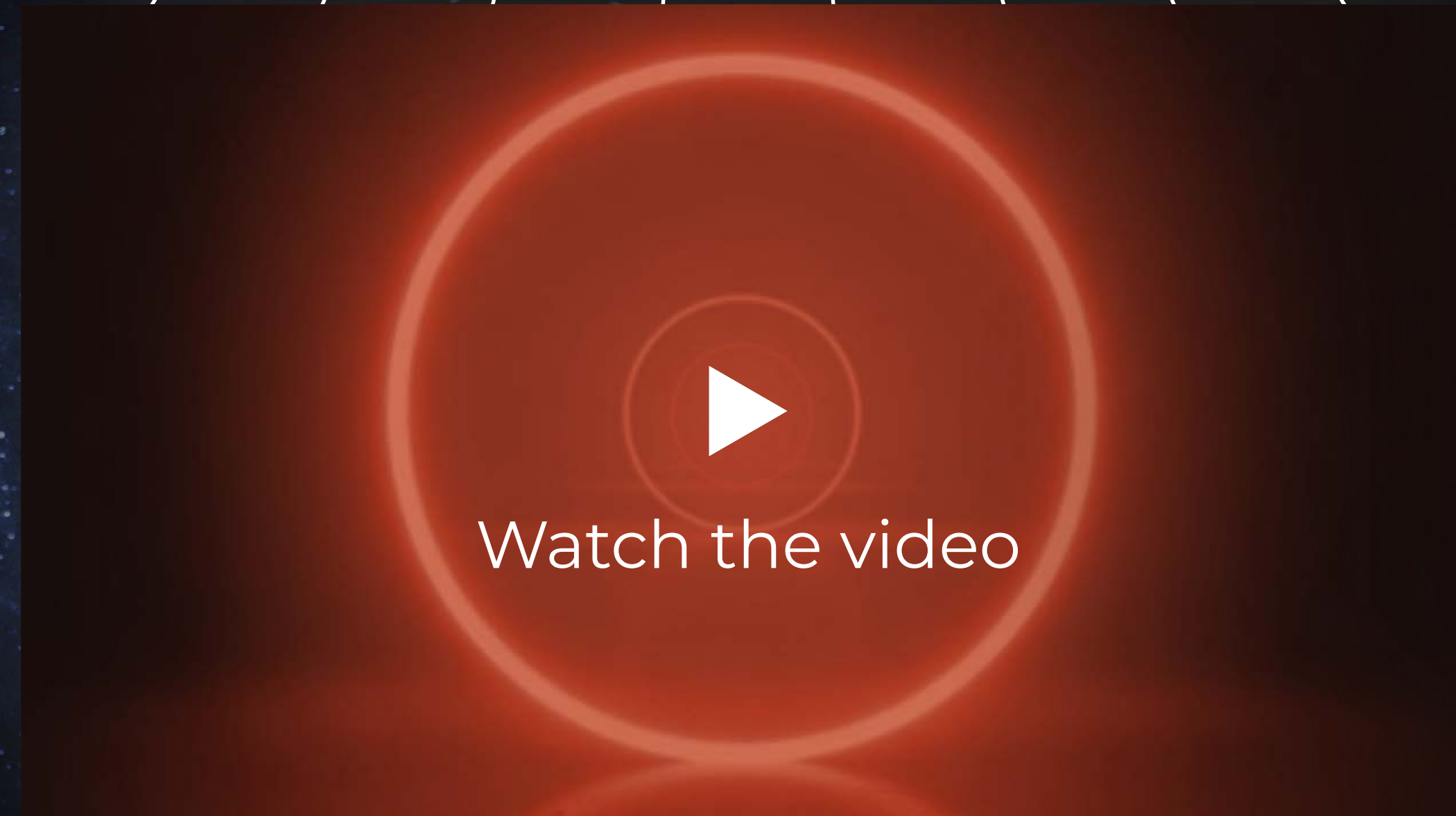


BullSequana XH3000

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**

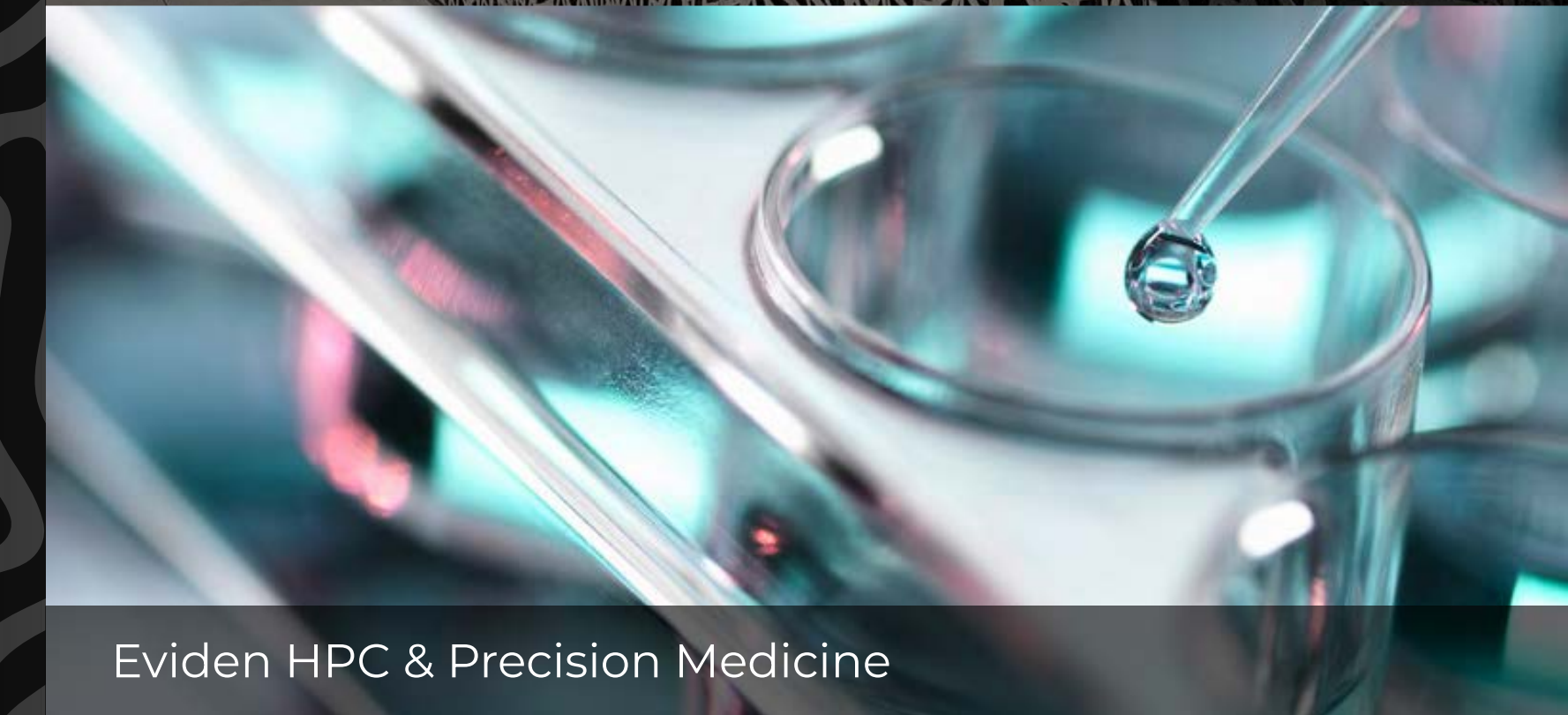
New applications, new algorithms and new technologies such as ML and AI require enormous quantities of data that must be stored, transported, and processed during the training phase with an exponential need in terms of computing power.

- **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 analyze and simulate data.



Eviden HPC powers the first EuroHPC



Eviden HPC & Precision Medicine



ECMWF and Eviden tackle climat 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 optimize simulation run time.

AI Optimized System efficiency & availability

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

BullSequana XH3000 + Eviden HPC Ecosystem



Strong network of technology partners



Open Sequana program



Eviden HPC Software Suites



Eviden HPC, AI & Quantum Centers of Excellence

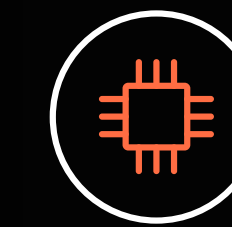
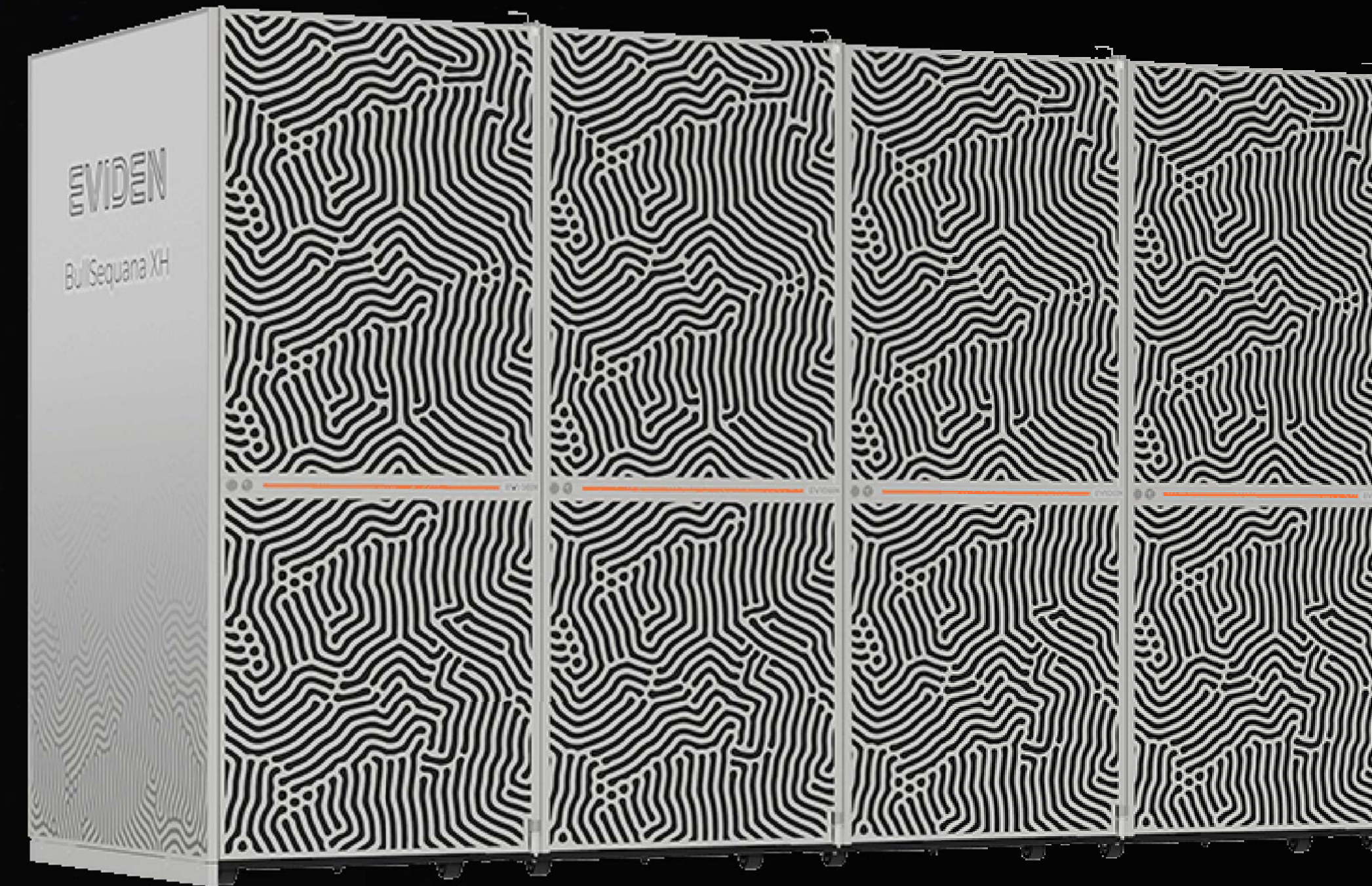


Eviden Professional Services

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.



Unrivalled efficiency

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



Flexible and dense by design

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



Any scale

- “All-In-One” rack design.
- Seamless scalability to ExaScale.



Open & future proof

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



Secure by design

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

Eviden 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.



Eviden 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 optimize energy, data and performance.
- Add-on AI capabilities: AI augmented simulation framework.
- Jarvice™: Seamless integration of HPC workloads in hybrid clouds.

[Learn more >](#)



Eviden HPC, AI and Quantum Centers of Excellence

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



Eviden Professional Services

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

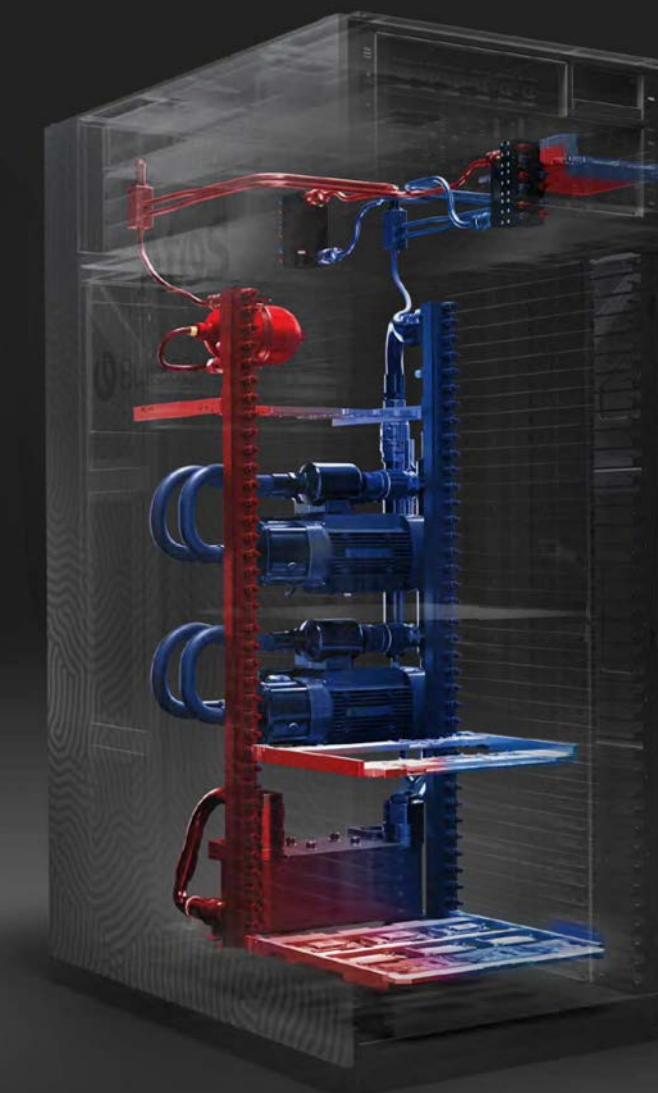
Greener HPC

Part of our DNA

The GREEN 500

Leader in Green 500 with 40 Eviden HPC systems listed*.

* Nov 2021 listing

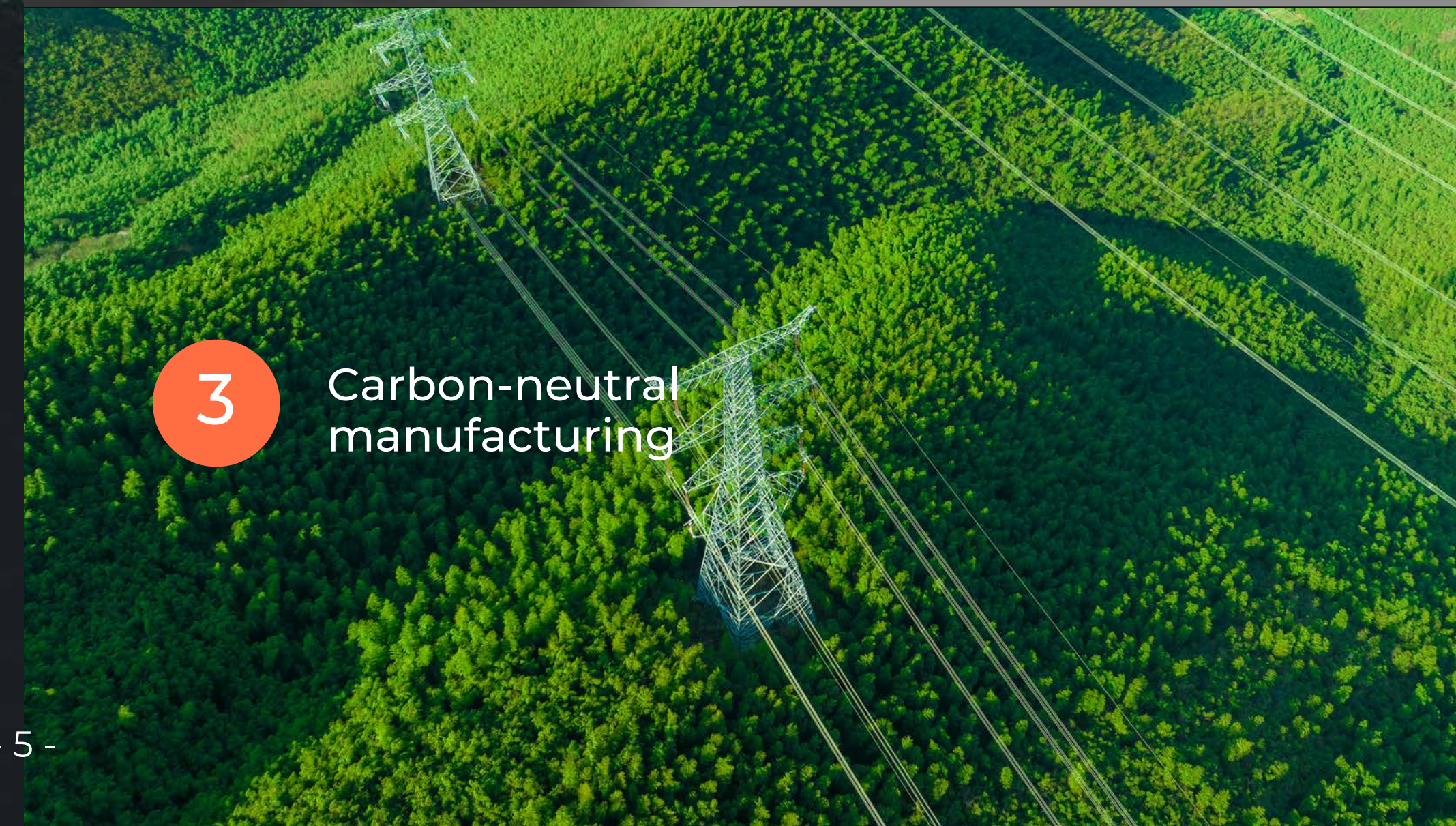


- 1 Pioneer in Direct Liquing Cooling (DLC)
- Over a decade of innovation and 72 patents.
- 4th generation DLC technology: 97% heat dispersion at 40°C inlet water temperature.

- 2 Manage and optimize energy efficiency with Eviden HPC Software suites

Smart Energy Management Suite [Learn more >](#)
to monitor, control and optimize 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

EVIDEN



The European HPC leader

Empower your digital and economic sovereignty



#1 in Europe
#2 Worldwide

for HPC, AI and Quantum
as well as Cybersecurity.



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



Made in Europe

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



Eviden contributes

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

with a global footprint



About Eviden¹

Eviden is a next-gen technology leader in data-driven, trusted and sustainable digital transformation with a strong portfolio of patented technologies. With worldwide leading positions in advanced computing, security, AI, cloud and digital platforms, it provides deep expertise for all industries in more than 47 countries. Bringing together 47,000 world-class talents, Eviden expands the possibilities of data and technology across the digital continuum, now and for generations to come. Eviden is an Atos Group company with an annual revenue of c. € 5 billion.

1. Eviden business is operated through the following brands: AppCentrica, ATHEA, Cloudamize, Cloudreach, Cryptovision, DataSentics, Edifixio, Energy4U, Engage ESM, Evidian, Forensik, IDEAL GRP, In Fidem, Ipsotek, Maven Wave, Profit4SF, SEC Consult, Visual BI, Worldgrid, X-Perion. Eviden is a registered trademark. © Eviden SAS, 2024.

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