EVIDEN

Beyond Limits: AI, HPC, and Quantum Computing

Eviden Executive Briefing Luncheon

SC25
St. Louis, MO | hpc ignites.

AGENDA

1
Eviden: Today And Tomorrow

2
The Eviden Enterprise AI Solution

3
BullSequana XH3500

4
Alice Recoque Fireside Chat

5
Conclusion

Advanced Computing and AI

We will become, **in 2026 a “new”** company, with almost a century of history
Built on a bold foundation to deliver **end-to-end** compute solutions at any scale

Key numbers

€800M
est. FY25 revenue

+17% CAGR
2025-2028

28
countries

1,500+
patents

14% of revenue
invested in R&D (2024)

3,000+
Employees

01 **HPC, AI and Quantum computing**

02 Enterprise AI

03 Enterprise Compute and Networks

04 Product Related Services

05 **R&D** (EU, India, SAM)

06 **FACTORY** (France)

HPC – AI and Quantum Computing

End to End Solutions

Hybrid HPC-AI and Quantum systems Expert centers

HPC, AI & Quantum Use Cases

1# Supercomputers

BullSequana
Quantum Qaptiva
Cloud Jarvice
Modular Data Centers

QPU Partnerships
AI ASIC
European CPU

Eviden IP
Interconnect (BXI)
Node Controller (UNC)
BullSequana ARGOS

Components

2025 – Opening New Horizons

THE GREEN 500

Leading systems in the TOP10

Deliver on promise

JUPITER
Aerospace leader

Recent successes

Alice Recoque
BAW
SKAO
Qaptiva™

Solution spotlight

BullSequana XH3500
ARGOS
BXI V3

ALICE RECOQUE BEYOND HPC · BAW Bundesanstalt für Wasserbau · calmip · CINECA · DKRZ DEUTSCHES KLIMARECHENZENTRUM · EuroHPC Joint Undertaking · GENCI Le calcul intensif au service de la connaissance · JUPITER AI FACTORY · SCAYLE SUPERCOMPUTACIÓN CASTILLA Y LEÓN · SKAO · UNIVERSITÉ DE REIMS CHAMPAGNE-ARDENNE

Empowering Jupiter's Journey To Exascale

JUPITER
AI FACTORY

BullSequana XH3000
the backbone HPC architecture

Modular Data Center
enabling rapid deployment and scalability

Delivery services
full project execution and integration support

Consolidation
stabilization and optimization of operations for peak performance

- **Europe's First Supercomputer of the Exascale Era**
- **TOP500, November 2025: ExaFLOP officially achieved**

Nine month Journey to Success

JÜLICH Forschungszentrum

50 pre-built and interchangeable modules

- 20 IT containers; 15 power feed containers; 10+ logistic & support containers
- over 2,300m^2 to form a complete turnkey data center
- Among the four global exascale systems, Jupiter ranks highest on the Green500 list, delivering 8% better efficiency in FLOPS per Watt.

Hosting the 1st European Exascale System

Scaling Compute & Use Cases for the Age of AI Factories

Deep HPC expertise translating into value for AI Factory

- Shared compute architecture
- Proven workload & app. mastery
- Scalable software and orchestration
- End-to-end ecosystem know-how

AI Use Cases in Production
Quick-impact use cases from portfolio

AI Use Cases Roadmap
Co-create use cases with relevant data

Regional CoE
CoE to retain talent and upskill regional teams

AI Factory

Eviden HW / Cloud Partners
BullSequana solutions
Cloud Partners

BullSequana AI Platform
Create, deploy & manage AI use-cases

AI Expertise
AI experts across industries

AI Use Cases Portfolio
Proven, vertical-specific use cases

Eviden AI Factory Blueprint

Eviden Enterprise AI – Bringing AI Factory to Life

02 **Enterprise AI**

250+ CERTIFIED AI EXPERTS

300+ AI/ML PROJECTS SINCE 2016

- ✓ AI Strategy & Consulting
- ✓ AI Rapid Value PoCs
- ✓ Large data & AI Use-case Projects
- ✓ AI Value Accelerators & Products

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Proven, vertical-specific use cases

Eviden AI Factory Blueprint

Eviden Enterprise AI Overview: 8 Key Verticals

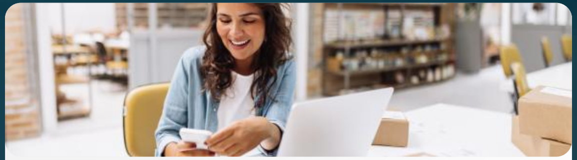
Selected High-Impact Use Cases with Validated Market Impact

Financial Services & Insurance

Communication Inspector
Banker's Buddy (Agentic AI)
Claims & Document AI

Manufacturing

Quality Inspector
Predictive Maintenance
TechBuddy (Support Chatbot)



Retail & E-commerce

Dynamic Pricing AI
Shelf Inspector

Health & Life Sciences

Digital Pathology
LS Data Platforms

Transport & Infrastructure

Predictive Maintenance
Safety Inspection (Vision AI)

Energy & Utilities

Visual Control (OH Lines, Drones)
Demand Forecasting

Public Sector

Fraud Detection (Claims / Tax)
Citizen Service Chatbots
Public Service Data Platforms

Security & Defense

Satellite & Aerial Imagery Analysis
Intelligent Document Processing

Picking the Use-case #1 – Getting Value Quickly

Validated Business Need & Owner	Subject-matter Experts Committed
Data Available & Usable	Mapped Technology / Approach

BullSequana AI Platform : Core Principles

Open Source
Leverage open-source components to build our platform as well as possible

100% Cloud native
All components are containerized and capable to be run on Kubernetes

Portability
Portable to multiple environments
Sovereign cloud, private or public cloud as well as On Prem.

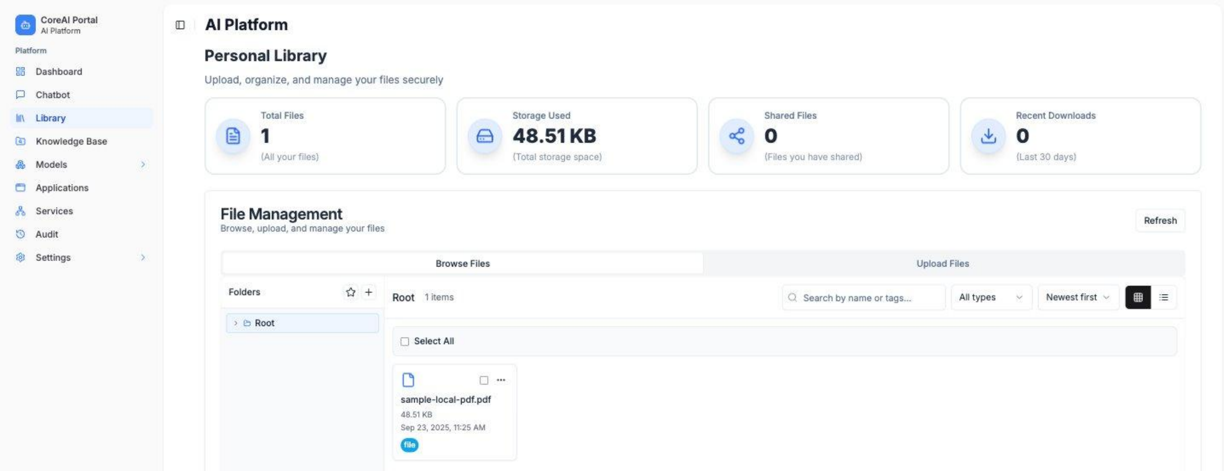
Scalability and availability
Platform has to provide scale-out capabilities in addition of high availability potential configuration

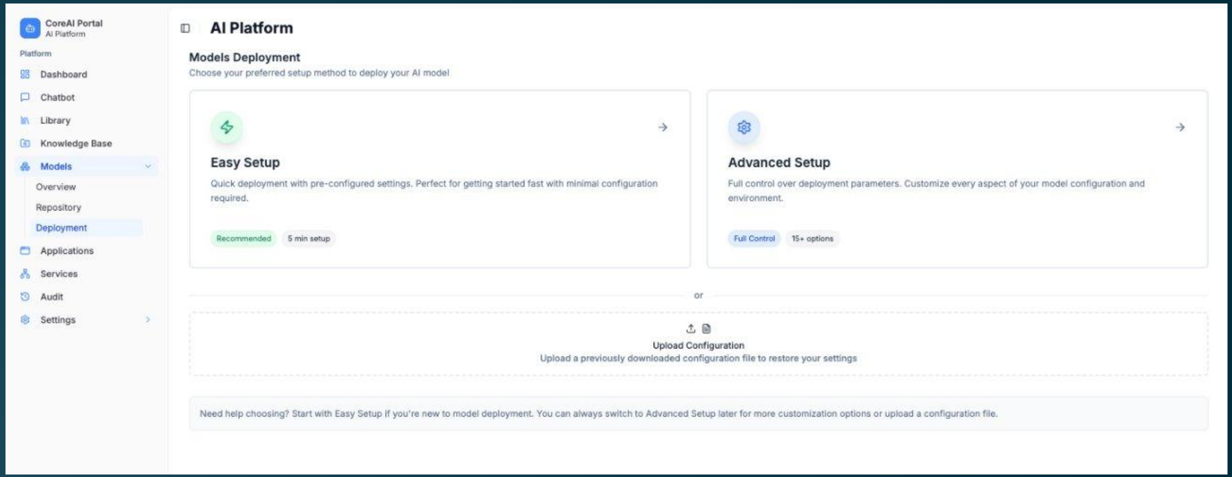
Databricks compatibility
Platform intends to minor the migration impacts from Databricks by sharing common components and architecture

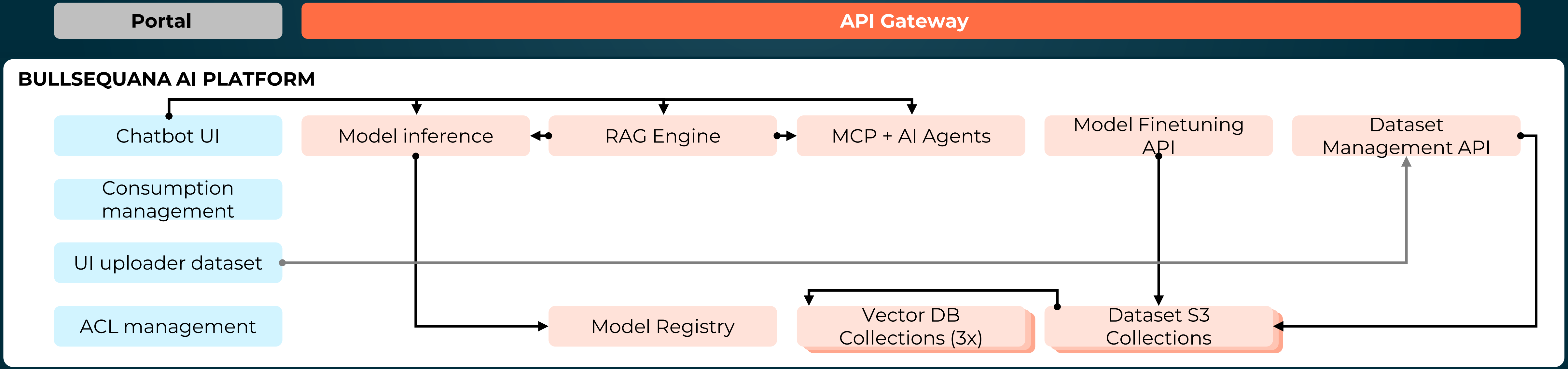
DevOps oriented platform
GitOps best practices
Observability on all components
Low cost maintenance

BullSequana AI Platform

Capability Teaser







What We Did For Acond

Main Challenge

Acond manages a geographically distributed **network of heat pumps** with varying features, performance, and service history. It has a small team of generalist service engineers providing support for the installations, which results in substantial amount of time being spent on each service case. Customers frequently reach out with issue that are self-serviceable.

Solution and Benefits

Service technicians are now outfitted with a GenAI-based chatbot, which takes into account specific device and its service history, and recommends the most fitting course of action. As a result, the average service time was cut by 15 minutes per case. The same chatbot is also available to end customers, boosting self-service resolution.

Impact

ACOND

15 min reduction in call duration
30% reduction in call volume due to improved self-service

What We Did For French Health Insurance Platform

Main Challenge

The customer handles **hundreds of millions** of prescriptions and billions of invoices annually on-premise with high security requirements. Only a fraction of these transactions is manually reviewed, as validating all of them would require tens of thousands of employees. Therefore, many **frauds go undetected**, leading to a growing budget deficit.

Solution and Benefits

We built a fully on-prem AI pipeline to meet strict privacy needs, processing ~100 kB digital and handwritten documents with CV, OCR, and VLLM (Pixtral). Custom classifiers flag unreadable, rotated, and misformatted files, and a fine-tuned model detects signatures. The system achieves 85% fraud detection with further gains expected from more data and tuning.

Impact

85% accuracy of fraud detection

94% specificity

5 Key Trends Reshaping Our Market

Hybrid Computing

Orchestrate workloads across the best compute engines for peak performance.

AI + HPC Convergence

AI accelerates HPC discovery and depends on HPC infrastructure to scale.

Energy efficiency

Direct Liquid Cooling and Total Cost of Ownership reduction drive sustainable growth

Security & Sovereignty

Data security, reliability, and control are strategic imperatives

Time To Market

Annual chip cycles now require infrastructure to be deployed at the same accelerated pace

20+ Years Of Innovation Powering Our Next-gen Platform

2005

Novascale
1st supercomputer

2012

Bullx B700 DLC
1st gen DLC

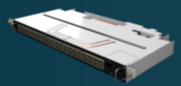
2013

Center Of Excellence
HPC Application Expertise

2015

BullSequana X1000
2nd gen DLC

2016



BXI V1
1st gen sovereign interconnect

2017

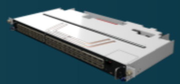
Atos QLM
1st Quantum emulator appliance

2018

BullSequana XH2000
All-In-One
3rd gen DLC

2021

BXI V2
2nd gen sovereign interconnect



2022

BullSequana XH3000
All-In-One
4th gen DLC platform

Center Of Excellence
AI Application Expertise

2025

Qaptiva HPC
QC emulation SW on HPC

BXI V3
3rd gen sovereign interconnect

2026

BullSequana XH3500
All-In-One
5th gen DLC platform
Maximum Flexibility

Bullsequana XH3500

Next-generation performance and efficiency in the same footprint

All-In-One

100%

of components integrated
in **one single rack**

Power

1.8x

Power capacity
available per m^2/ft^2

AI

2x to 8x

FP8 Compute peak
performance per m^2/ft^2

DLC

100%

of components **liquid cooled at 45°C**
(compute, network, power supply,
management)

Cooling

+30%

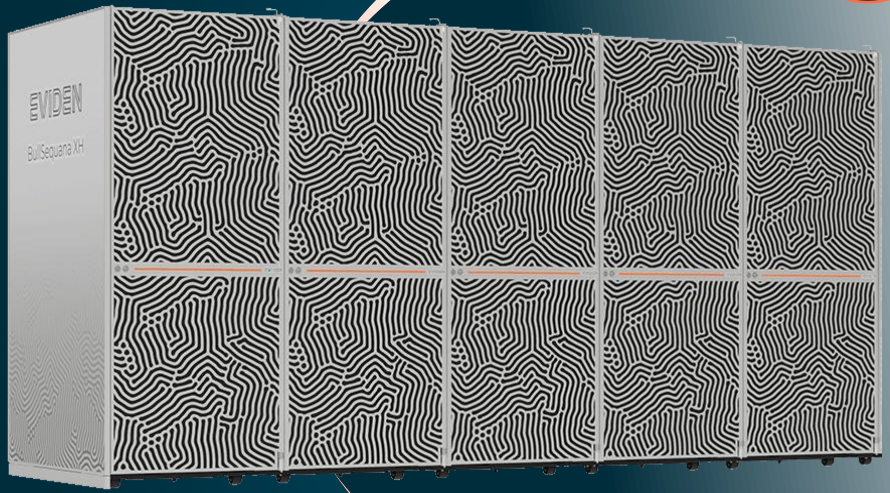
Cooling efficiency
5th generation DLC

HPC

1.7x

FP64 Compute peak
performance per m^2/ft^2

BullSequana XH3500



Unmatched Scalability

Unrivaled Energy Efficiency

Maximized Flexibility

Empowered Sovereignty

Eviden's Ecosystem: An End-to-end Value Approach

Services and Support

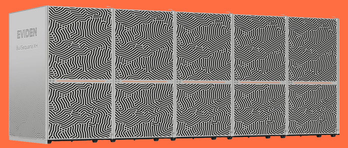
Applications
& Use cases

Code/Application Optimization
Center Of Excellence

Network
BXI V3

Software

Storage



BullSequana XH3500 Platform

Modular Data Center

Enabling Sovereignty By Design

European Design & Manufacturing

- Systems fully designed, engineered, and manufactured in Europe
- Priority to European suppliers and manufacturing partners

Local Production & Ecosystem Development

- Regional integration and manufacturing capabilities
- Development and upskilling of local suppliers
- Building resilient, regional supply chains

Integration of local sovereign technologies

- Open and flexible architecture supporting country-specific technology choices
- Integration of sovereign compute technologies – CPUs, GPUs, AI accelerators
- Support for regional security modules and sovereign hardware stacks

Knowledge Transfer & Autonomy

Training, know-how transfer, and end-to-end capability building — from applications to hardware.

Forward Thinking. Purpose Driven.

Integrated Excellence

- Deep **HPC & AI** simulation expertise
- Full **value chain**: R&D, manufacturing to CoE

Fostering Ecosystem

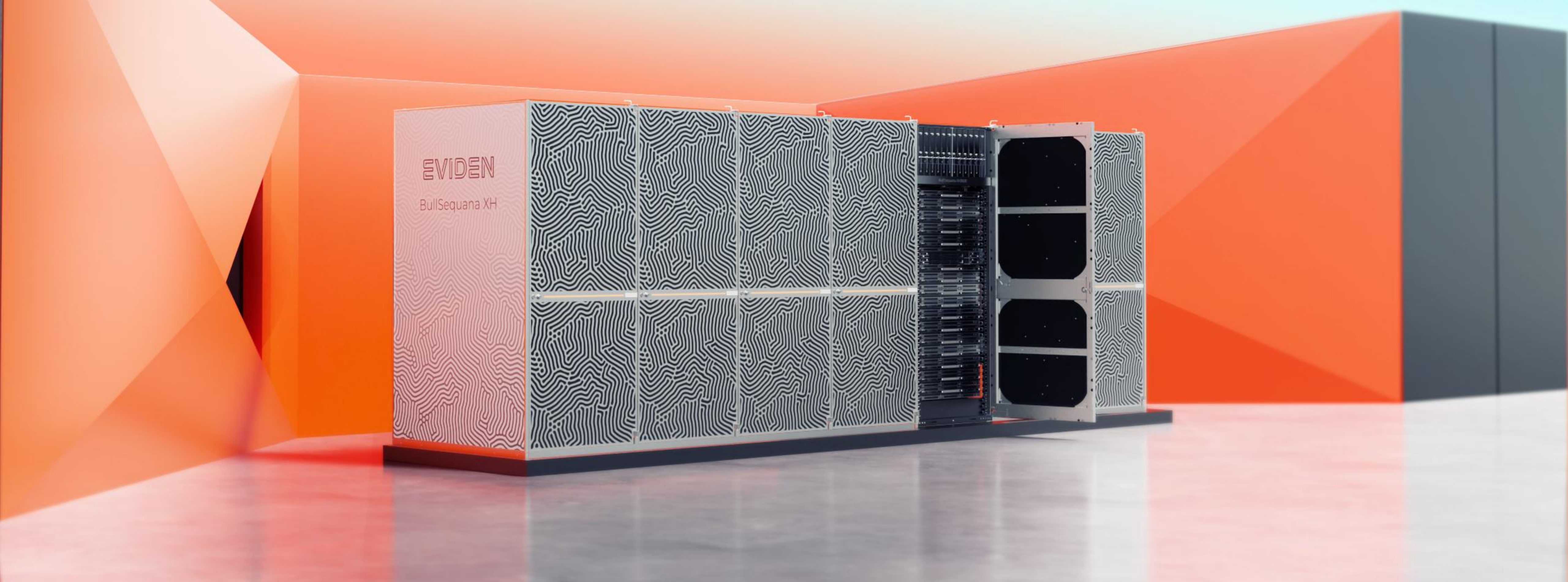
- Cutting-edge **silicon** and technologies
- **Software** suites & **data** platforms

Efficiency & Performance

- **Sustained** vs. peak
- **Frugality** vs. GW

Empowered by choice. Secured by design.

ALICE RECOQUE
BEYOND HPC



Powered by Eviden BullSequana XH3500 and BXI V3