

EVIDEN

BullSequana SH series

**The right choice
for secure, carbon-efficient
hybrid computing**

AN ATOS BUSINESS

Next step to hybrid computing solutions



63% of organizations

DON'T PLACE MISSIONS-CRITICALS
WORKLOADS INTO PUBLICS CLOUD



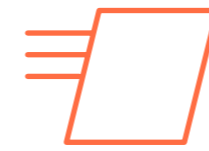
43% of IT decision makers

FEAR THEIR IT INFRASTRUCTURE
WON'T BE ABLE TO HANDLE
FUTURE DATA DEMANDS

BullSequana SH

a state-of-the-art generation of x86 servers based on the 4th Gen Intel® Xeon® Scalable processors with innovative capabilities to address these new business needs.

BullSequana SH meets the demands of enterprises, cloud providers and hyperscalers in terms of security, scalability, reliability, performance and energy efficiency.



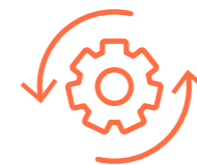
GREATER BUSINESS AGILITY



PROTECTING YOUR MOST VALUABLE ASSETS



EFFICIENT ON-DEMAND SCALABILITY



MAINTENANCE ON YOUR INVESTMENT



LOWER TOTAL COST OF OWNERSHIP (TCO)



HIGH ENERGY EFFICIENCY



SECURITY

Introducing the BullSequana SH

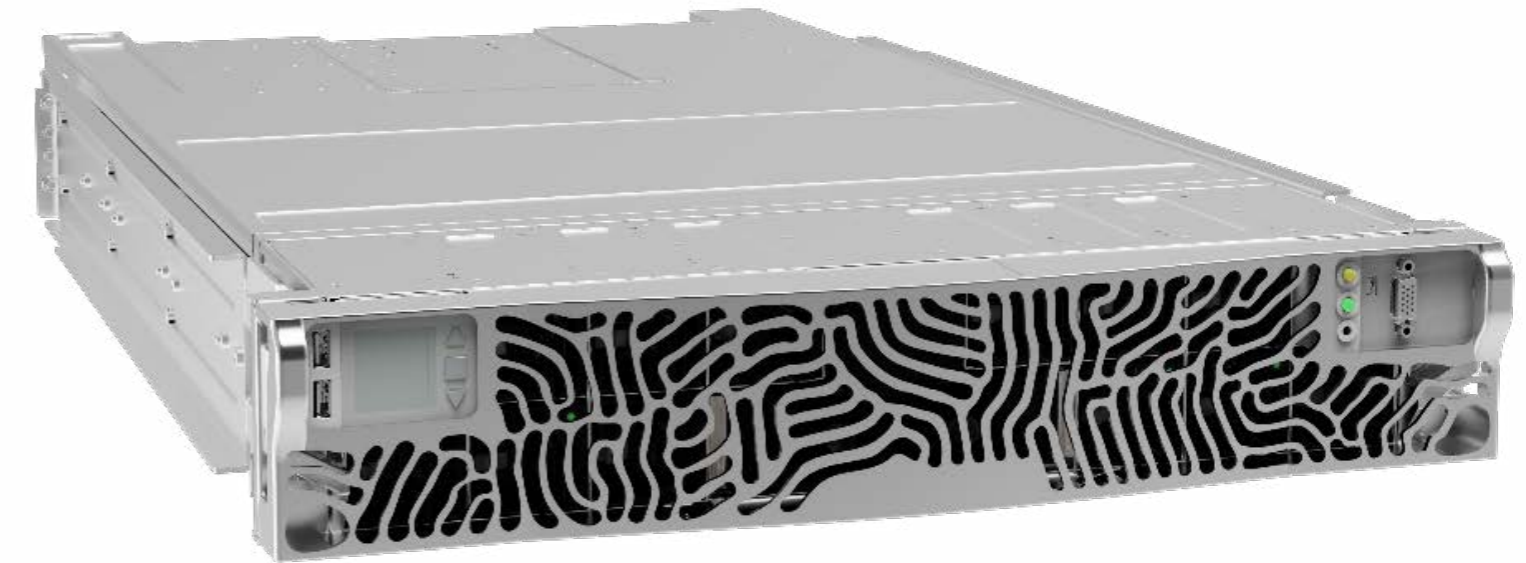
TAILORED FOR YOUR HIGH PERFORMANCE
ON-PREMISES & CLOUD WORKLOADS

- **Faster response** to business demands
- Improved **manageability and serviceability**
- **Helping businesses achieve their sustainability goals** with best-of-breed technologies and services
- **Data protection from the core** to the cloud by creating a chain of trust without compromising performance



Unprecedented features to meet all markets requirements

TAILORED FOR YOUR HIGH PERFORMANCE ON-PREMISES & CLOUD WORKLOADS



- From 2 to 32 sockets in a single server
- Scale in 2-socket increments
- 4th Gen Intel® Xeon® Scalable processors
- Up to 128TB DDR5 DRAM
- Up to 112 PCIe Gen5 hot-swappable slots
- Up to 32 GPUs
- Up to 160 NVMe SSDs
- Hotplug redundant 80+ Titanium PSUs

USE CASES

BullSequana SH offers a full benefits for in-memory applications & beyond.

BENEFIT FROM OUR CERTIFICATIONS WITH OUR PARTNERS :



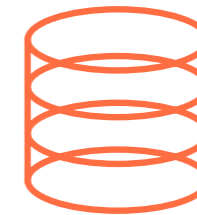
ORACLE

vmware®



SUSE

Microsoft



IN-MEMORY APPLICATIONS
DATABASES AND ANALYTICS



BARE METAL FOR SPECIFIC
WORKLOADS REQUIRING
LARGE COMPUTING CAPACITIES



LARGE VIRTUALIZATION
POSSIBILITIES



ARTIFICIAL INTELLIGENCE



HEALTH



RETAIL



CLOUD PROVIDERS

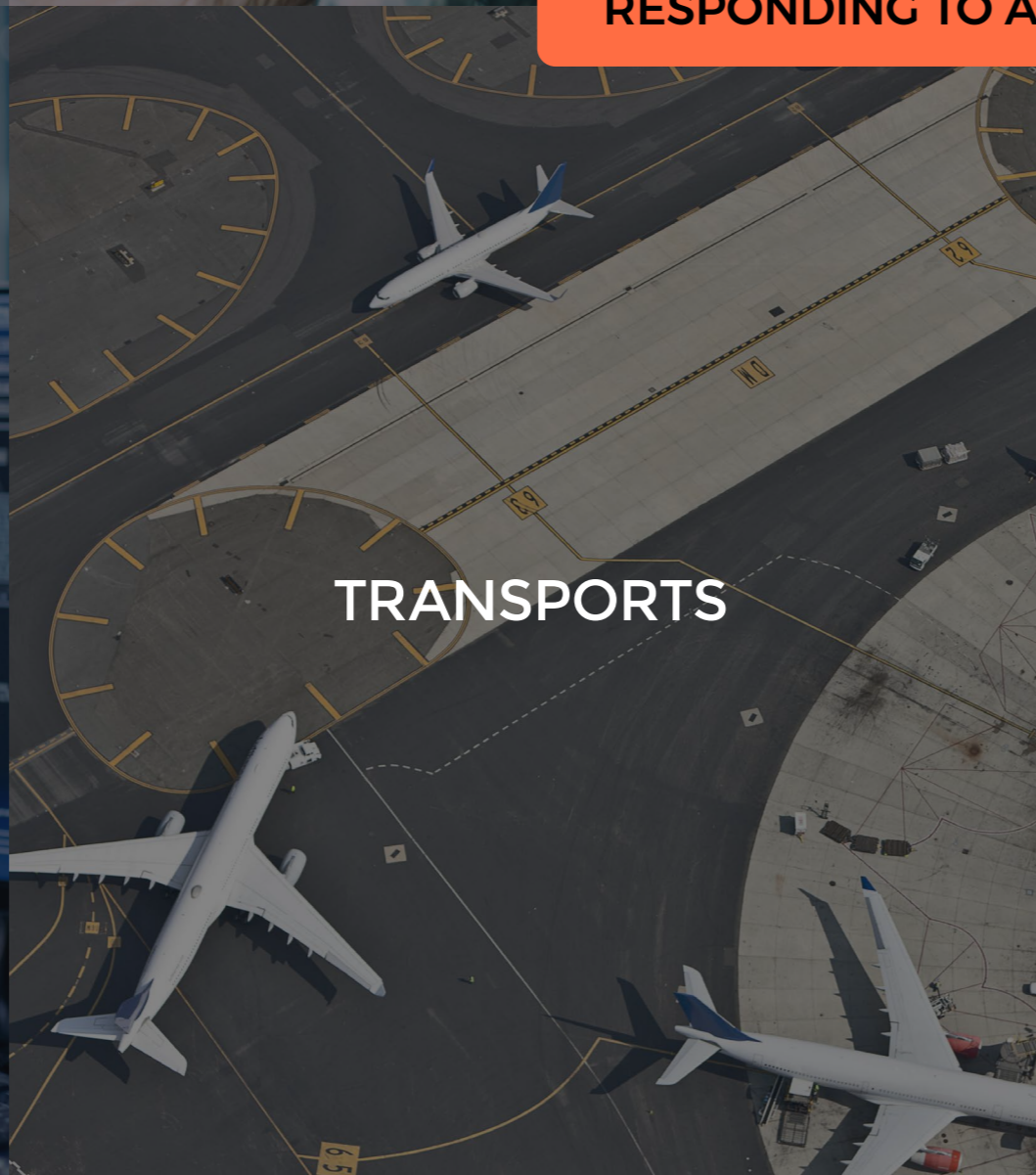


TELCO OPERATORS

RESPONDING TO ALL MARKETS NEEDS



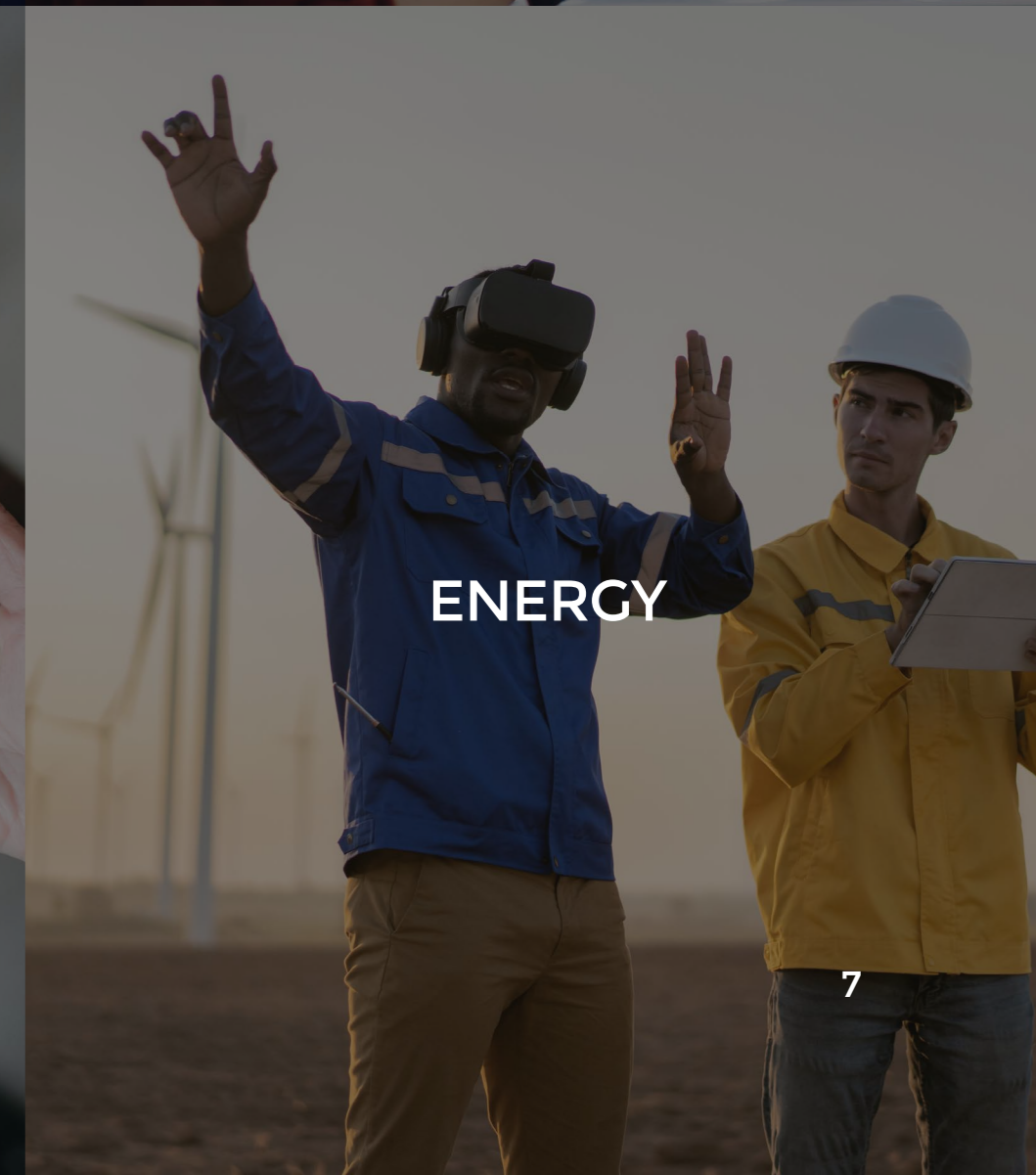
ADMINISTRATION
GOUVERNEMENTS



TRANSPORTS



FINANCE
COMPANIES



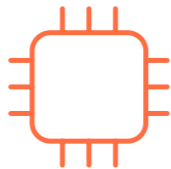
ENERGY



Security-by-design preserving performance

By 2026, 65% of IT organizations

will only purchase infrastructure that incorporate predictive cyber-resiliency mechanisms proven to reduce post-cyber intrusion recovery efforts



Leverage new built-in 4th Gen Intel® Xeon processors security features

- Enhanced Intel® Software Guard Extensions (Intel® SGX) with new integrity feature, providing greater resistance against physical attacks
- New cryptographic memory integrity



Eviden Product Security Incident Response Team (PSIRT)

From vulnerability to patch

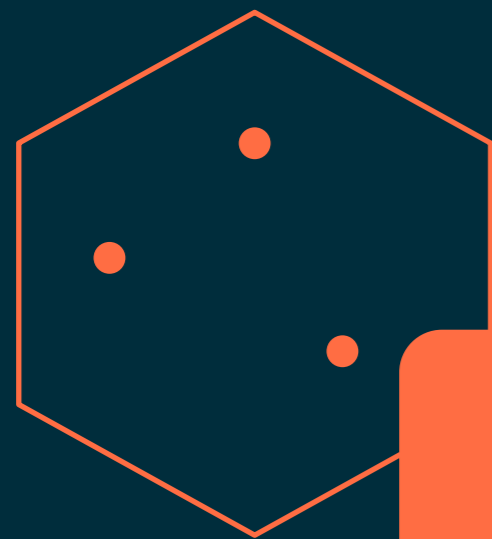


Eviden Trusted Execution Architecture hosting improved Security Functions

- NIST 800-193 Recoverable platform using ARM TrustZone technology
- Chains-of-trust for detection, upgrade, recovery
- Hardware Root-of-Trust with public cryptographic keys anchored in silicon
- Hardened µOS developed from EAL7 certified ProvenCore software



Better help to achieve your sustainability goals



Eviden factory, Angers, France
R&D, Les Clayes & Grenoble, France

EVIDEN DECARBONATION LEVEL AGREEMENT (DLA)

to help clients capture, measure, report on and reduce the overall carbon footprint of the BullSequana SH platform.

USE OF ENERGY EFFICIENT COMPONENTS



DDR5 achieves 30% greater power efficiency vs DDR4.
80 PLUS Titanium power supplies.
Built-in accelerators avoiding to add power hungry resources (CPU, memory, ...)

NO OVER-PROVISIONING OF RESOURCES FOR FUTURE DEMAND



Efficient scalability by 2 CPU increments for all types of workloads.
On-demand capabilities .

INTELLIGENT POWER MANAGEMENT FEATURES AT THE SYSTEM LEVEL



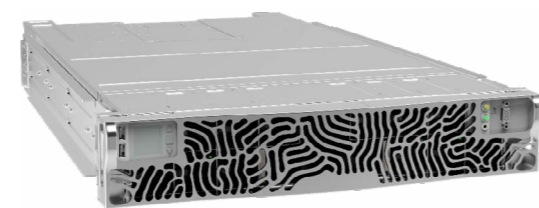
Power capping, Eco-mode, ...
Intel® Optimized Power mode support.

COMPLIANT WITH ENVIRONMENTAL REGULATIONS



Ecodesign (ErP Lot9), RoHS, REACH, WEE...

BullSequana SH scalability & use cases



SH20

2 SOCKETS
2U



SH40

4 SOCKETS
4U



SH80

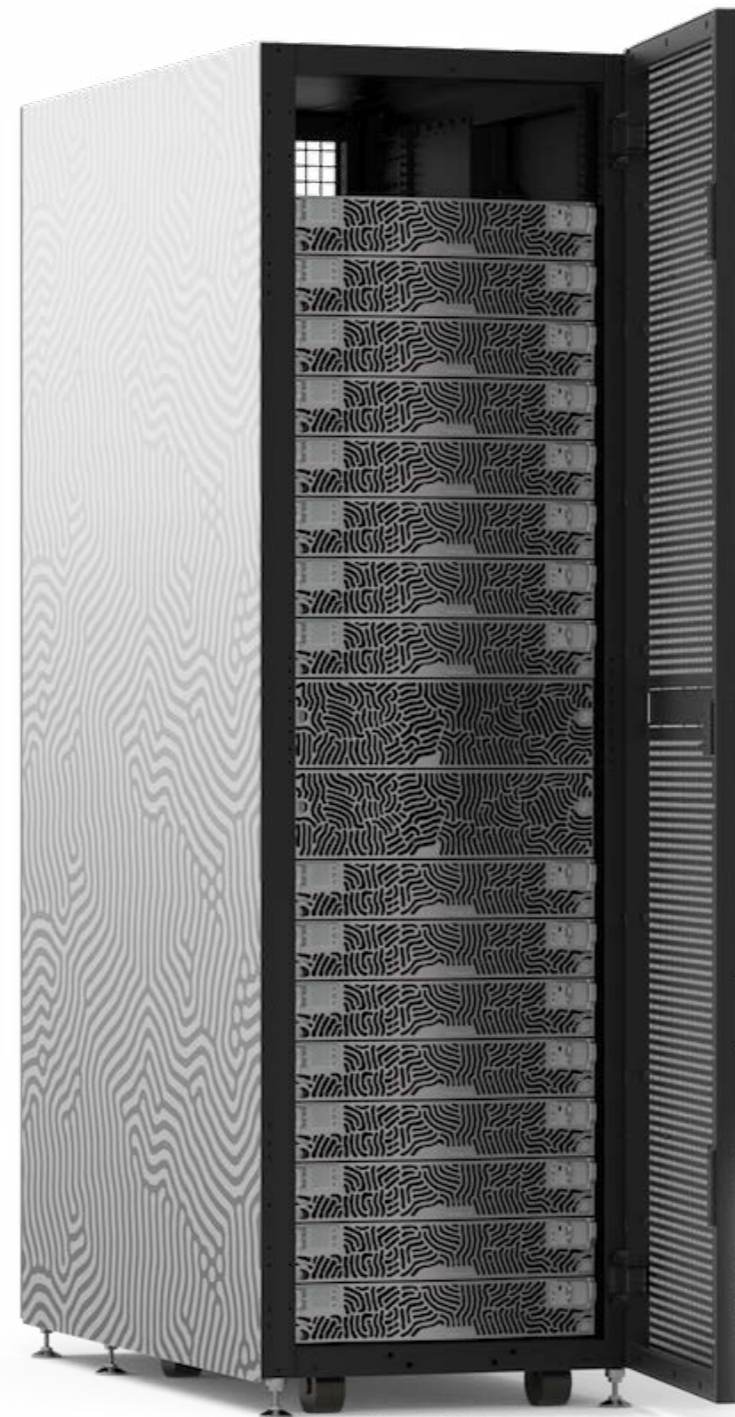
6-8 SOCKETS
8U

SH20 , SH40 & SH80 can be upgraded by 2 CPUs up to SH160



SH160

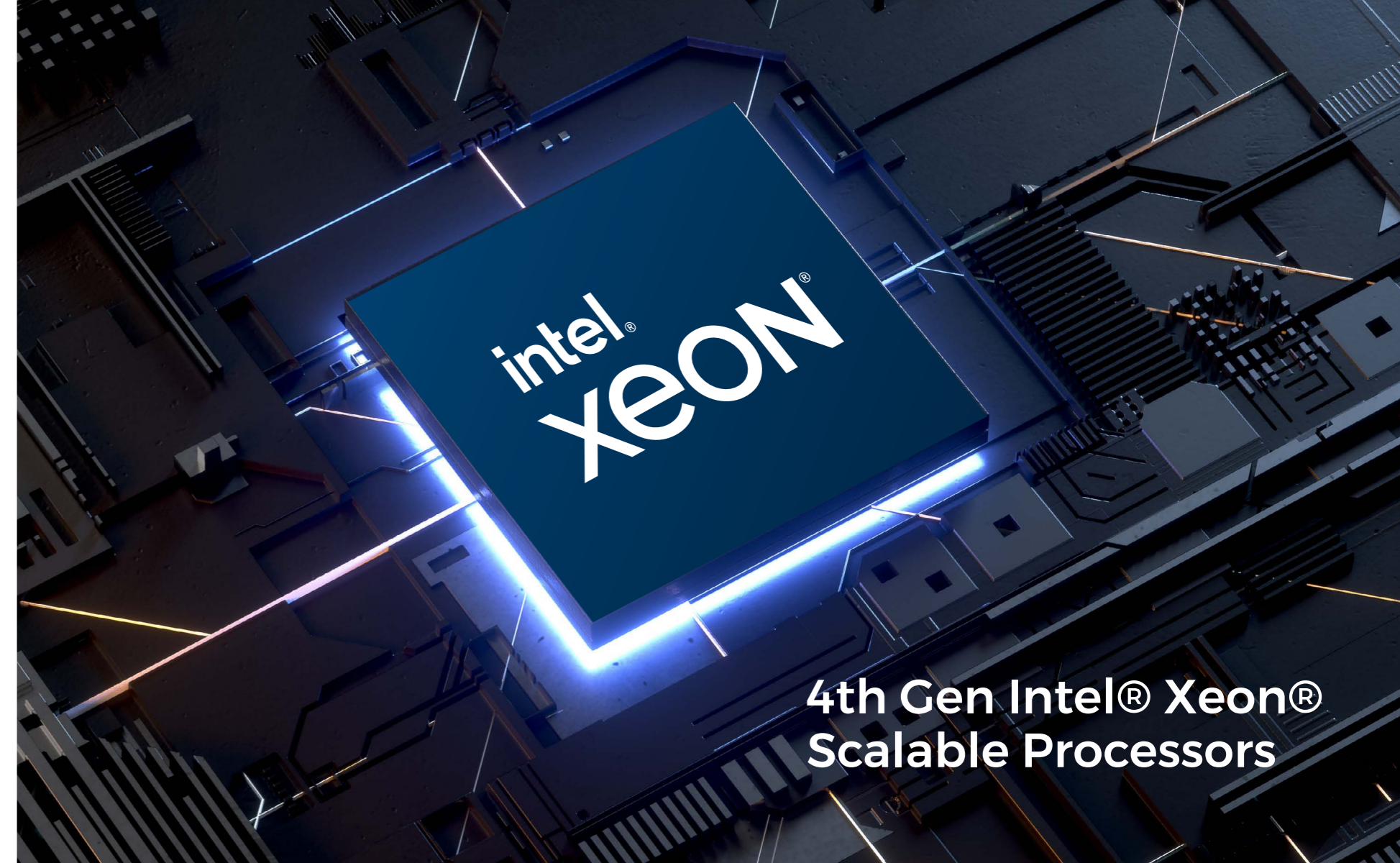
10-16 SOCKETS
19U



SH320

20-32 SOCKETS
38U

SH160 can be upgraded by 4 CPUs up to SH320



4th Gen Intel® Xeon® Scalable Processors

- Mission-critical applications
- Performance optimized
- Outstanding scalability
- Investment protection
- Optimized TCO through consolidation
- SAP HANA, Databases, In-Memory applications
- Advanced virtualization, large VMs , Bare metal
- Data Analytics, AI
- Private and Hybrid clouds

With our BullSequana SH benefit from exclusive services from EVIDEN

- DESIGN YOUR READY-TO-USE INFRASTRUCTURE
- BENEFIT FROM A TAILORED INDUSTRIALIZATION PROCESS
- FLEX AND SCALE WITH OPEX OR CAPEX
- UNIQUE MANUFACTURER IN EUROPE

Gain flexibility

Design as you need
Add on process

Go faster

Fastest supply
On site plug & play

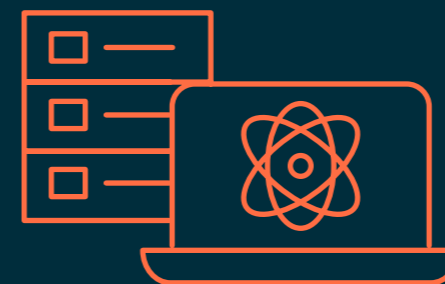
Reduce risks

No unexpected costs
Highest quality and
repeatable process

#1

**Eviden,
recognized industrial leader**

- **Edge AI Global Leader in 2021 & 2022**
- **#1 “managed services & security” in Europe and #3 worldwide**
- **Recognized expert lab in computer vision & AI solutions**
- **#Global leader in Cybersecurity and data sovereignty**



Eviden is also a leader for hardware & software products

Leader in Edge Computing technology

Recognized manufacturer of enterprise high-end servers

Pioneer on the quantum computer

The background of the image is a solid orange color. Overlaid on this are several large, semi-transparent circles in various shades of orange and pink, creating a layered, abstract effect. The word "EVIDEN" is centered in the middle of the image in a bold, black, outlined font.

EVIDEN

AN ATOS BUSINESS