

Product Overview

Exaion Private Cloud

**On-Prem Sovereign Private Cloud. Greenfield Approach.
Break free from vendor rent-seeking. Now.**

A fresh foundation, free of inherited proprietary components. Your legacy workloads run without rewriting; your new services are born cloud-native.

Market Challenges

The triple crisis:

Hardware Crisis

Supply chain pressure. Structural increases in RAM costs, GPU and high-performance compute shortages (global arbitrage toward AI), and unpredictable pricing. Maintaining over-provisioned hardware is becoming a luxury few can afford.

Software Crisis

The subscription model trap. An average of 3x to 4x cost increases for proprietary licenses¹. Enforced bundling, contractual lock-in, and degrading support for all but "strategic clients." Those who fail to anticipate will face forced price hikes.

Sovereignty Crisis

Regulation and Shadow IT/AI. DORA, NIS2, HDS, GDPR: increasing requirements and proven sanctions. 80% of employees use unapproved tools. Data leaks. Extraterritorial legislations imposed without your knowledge.

Why Act Now

Every year spent with a proprietary vendor is a year of unrecoverable structural overspending.

-  **Wait:** Suffer the next price hike, accumulate technical debt.
-  **Engage Greenfield:** Freeze your future costs, regain control of your architecture.

Proof Points

- Just a few weeks** from order to production
- 30% to -50% TCO** vs. public cloud over 3 years
- 3x to 4x avoided** on proprietary license hikes¹

Our Solution

Legacy Model

Patchwork of non-integrated components

Functional overlap, costly stacking

DIY automation via scripts

Heavy maintenance, overstretched teams

3x to 4x licenses, enforced bundles

Forced rewriting to modernize

Exaion Greenfield Approach

Unified Control Plane.
Native Compute & Storage integration

Consistency by design. Zero redundancy

Native automation via standard APIs from Day 1

Drastically reduced maintenance.
Hyperscaler-grade operations

Full Open Source (OpenStack, Ceph, Kubernetes). Zero vendor lock-in

Application continuity.
Your legacy apps run natively

Targeted Benefits for Your Business Needs

Regulated Industry & Critical Infrastructure

- High-performance Edge, minimal latency
- NIS2 compliance, full audit trail
- Isolated or air-gapped sites operational without permanent connection

Defense & Sensitive Manufacturing

- ZRR and "Secret Défense." Sovereign by design
- Physical and logical resource isolation
- Total supply chain control

Regulated Financial Services

- DORA, GDPR, HDS. Native compliance
- 100% auditable data residency
- Dedicated, non-shared resources. Guaranteed SLAs

Use Cases

R&D and Sensitive Data

Challenge: Critical workloads, industrial secrets, and internal AI are exposed.

Total isolation (air-gapped), on-prem GPU, ZRR (Restricted Zone), native GDPR and NIS2 compliance.

Sovereign AI (Private Inference)

Challenge: Shadow AI, data leaks to LLMs hosted outside the EU.

On-prem GPU inference, Open Source LLMs fine-tuned on your data, full audit trail.

Cloud Repatriation and Modernization

Challenge: Uncontrollable public cloud costs, legacy apps needing evolution without a "big bang."

Gradual migration: your apps run as-is then modernize at your own pace. Capex or Opex, total reversibility.

Edge and Industry

Challenge: Isolated sites, retail, logistics. Critical latency and availability.

Real-time local processing, offline functionality, guaranteed minimal latency.

Platform Engineering

Challenge: Dev/Test on public cloud. Unpredictable costs and project leakage.

On-prem self-service on the same stack as production. Zero surprises at deployment.

IT & Business Collaboration

A common foundation that reconciles the agility expected by Business units with the governance required by the IT Department. Innovate fast, without by passing rules, without compromising compliance.

Why Exaion

HPC Specialist, not a Generalist

Focused on regulated environments and sovereign AI/HPC, not a generic rack OEM.

Greenfield Approach

No legacy layers in our stack. Total continuity, no forced rewriting.

Maximized Hardware Density

Architecture designed for actual consumption, neutralizing the surge in RAM and GPU prices.

Contact us for a demonstration of Exaion Private Cloud and a review of your use cases:
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About Exaion

Exaion develops and operates advanced infrastructure designed to support artificial intelligence, high-performance computing, and other sensitive or compute-intensive use cases for businesses and public institutions. A subsidiary of MARA, Exaion combines security, scalability, and sustainability through low-carbon infrastructure deployed in Europe and North America.

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