



CASE STUDY

OUTSCALE and TELEHOUSE Advance Sovereign, Sustainable AI

AI-ready infrastructure of Telehouse supports high-density GPU environments, sovereign cloud delivery, and sustainable innovation



Overview



As artificial intelligence adoption accelerates, infrastructure requirements are evolving rapidly. Higher-density GPU platforms, increasing regulatory scrutiny and growing sustainability expectations are reshaping how cloud environments are designed and operated.

OUTSCALE, a Dassault Systèmes brand, provides cloud services designed around sovereignty, security, and sustainability. Its platforms support Dassault Systèmes applications as well as external customers with demanding compliance requirements.

Through its public cloud services, OUTSCALE secured the ANSSI SecNumCloud 3.2 security visa, positioning it among the early providers to achieve this level of sovereign certification in France and reinforcing the growing importance of trusted cloud infrastructure across the French and European market.

Telehouse supports this environment through its France campus in Magny-les-Hameaux, enabling customers to host critical workloads within France while benefiting from resilience, security and high availability.

With AI accelerating, both organizations focused on two key priorities: maintaining sovereign control over data, while enabling the next generation of high-density AI infrastructure.

Challenges



1

Sovereign AI governance

For OUTSCALE's customers, sovereign AI is not only about where workloads run, but how data is governed. Customers must retain control of their data and ensure AI providers cannot use it without consent.

2

Liquid cooling requirements

Modern GPU platforms significantly increase power consumption and heat density. Supporting these workloads increasingly requires the transition from traditional air cooling to liquid-cooling-ready infrastructure.

3

Sustainability expectations

OUTSCALE has also set high environmental standards for its infrastructure. As AI deployments scale, balancing performance with responsible energy use remains essential.

Solutions

Rather than operating as a traditional supplier relationship, OUTSCALE and Telehouse adopted a co-construction model, working together to address infrastructure, cooling, and operational challenges as AI requirements evolved. This close collaboration enabled both organizations to test new facility approaches, reduce deployment risk and align infrastructure readiness with OUTSCALE's AI roadmap.

Telehouse's new development phase at its France data centre delivers AI-ready, high-density hosting supported by liquid-cooling-capable infrastructure. The facility is designed to accommodate next-generation GPU platforms while improving energy efficiency and supporting sovereign AI workloads.

Alongside this infrastructure evolution, OUTSCALE continues to expand its sovereign AI ecosystem with partners including Mistral AI, reflecting growing demand for trusted AI capabilities delivered within sovereign environments.



“ The future of data centers will be sovereign, intelligent, and sustainable, but that future must be built now. Our partnership with Telehouse gives us the digital foundations to support AI at scale while maintaining the level of control our customers expect. ”

Arnaud Bertrand, Chief Technology Officer & SVP Research & Development
3DS OUTSCALE, Dassault Systèmes.

Results and Benefits

Sovereign cloud certification

OUTSCALE secured the ANSSI SecNumCloud 3.2 security visa for its public cloud services, positioning it among the early providers to achieve this level of sovereign certification in France.

AI-ready infrastructure

Liquid-cooling and power-ready facility of Telehouse enables the high densities required by modern GPU platforms.

Accelerated AI innovation

The partnership provides a scalable platform for bringing sovereign AI services to market faster.

Collaborative infrastructure development

The co-construction approach allows both organizations to adapt quickly as AI technologies and infrastructure requirements evolve.



About TELEHOUSE

Telehouse, a subsidiary of KDDI Corporation, is a leading global data center provider, with 45 or more sites in 10+ countries and bringing together a range of business partners. With over three decades of expertise and partnerships with a variety of network providers worldwide – including carriers, mobile and content providers, enterprises, and financial services companies – Telehouse delivers highly reliable, interconnected, and carrier-neutral data center solutions.

About OUTSCALE

OUTSCALE, a brand of Dassault Systèmes, is the leading sovereign and sustainable Experience-as-a-Service operator. By revolutionizing the way organizations operate through our virtual twin approach, we empower institutions and businesses to fully leverage their data, thereby optimizing their operations and fostering collaboration across all sectors. At OUTSCALE, we place sovereignty at the core of our solutions, enabling our clients to maintain full control over their strategic information while benefiting from cyber governance and our Cloud expertise. As a responsible player, we optimize the energy efficiency of our infrastructures and encourage our clients to adopt sustainable practices.



Contact Telehouse

To learn more about Telehouse's AI-ready infrastructure and sovereign cloud hosting capabilities, click below to contact us.

Contact Us