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EUROPE'S INDUSTRIAL AI CLOUD

Europe is entering a decisive phase in its digital transformation. Artificial intelligence is rapidly becoming a foundation of economic competitiveness, industrial innovation, and public-sector modernization. Responding to this shift, Deutsche Telekom officially launched one of Europe's largest Industrial AI factories in Munich on February 4, 2026 — a project designed to strengthen Europe's technological sovereignty while making advanced AI accessible to organizations across the continent.

Developed together with technology partner NVIDIA and data center partner Polarise, the Industrial AI Cloud represents far more than a new data center. It is a strategic European infrastructure that enables companies, research institutions, start-ups, and public organizations to develop and operate artificial intelligence securely in line with European regulatory standards.

BUILDING EUROPE'S AI BACKBONE

The AI factory was created through the complete modernization of a 10,700-square-meter data center in Munich, now powered entirely by renewable energy and equipped with high-performance fiber optic connectivity. At its core are 10,000 NVIDIA Blackwell GPUs delivering up to 0.5 ExaFLOPS of computing

performance, enough to enable all 450 million EU citizens to use an AI assistant or chatbot at the same time.

What makes the Industrial AI Cloud unique is its fully integrated approach. Telekom provides secure connectivity, infrastructure, and cloud access through T Cloud, while leading European technology partners contribute advanced software and business applications. Together, they offer companies a complete AI ecosystem: from hardware and connectivity to simulation tools and enterprise applications. This enables organizations to develop and operate AI solutions within European regulatory and security frameworks.

FROM INDUSTRY INNOVATION TO PUBLIC SERVICES

The practical applications of the Industrial AI Cloud extend far beyond technology experimentation. Companies can simulate digital twins of production facilities, conduct virtual automotive crash tests, optimize robotics systems, or accelerate product design through high-precision simulations. In healthcare, AI can help streamline emergency workflows or support faster drug development. Public institutions can modernize citizen services through automation while maintaining full data

sovereignty. By enabling organizations to test and deploy complex AI models without building their own expensive infrastructure, the platform significantly reduces development costs and shortens time-to-market.

Demand has already confirmed the initiative's relevance. Shortly after its launch, the AI factory has been operating at over a third of its capacity with existing customers. The Industrial AI Cloud is now available to customers from industry, start-ups, research, and the public sector across Europe. Companies can flexibly book computing power and platform services as needed, from pilot projects to mission-critical production systems.

ENGINEERING EXCELLENCE FROM SLOVAKIA

While the Munich facility symbolizes Europe's AI ambition, a significant part of the project's success originates hundreds of kilometers away, in Košice. Teams from Deutsche Telekom IT Solutions Slovakia played a central role in designing and delivering the Industrial AI Cloud from concept to production.

Since July 2025, Slovak engineers, architects, and cloud specialists — led by Delivery Manager Silvín Gálus — have worked on the project from its earliest design phase. The team delivered an end-to-end AI cloud platform built entirely

Europe is accelerating its journey toward technological independence with the launch of Deutsche Telekom's Industrial AI Cloud — a next-generation platform combining powerful AI computing, sustainability, and trusted European governance. Built through international collaboration and strong engineering expertise from Slovakia, the initiative opens new opportunities for businesses and public institutions to innovate securely at scale.



from the ground up despite demanding timelines and limited capacity.

Their responsibilities ranged from defining architecture blueprints and managing global hardware logistics to implementing automation, security frameworks, and operational processes. Slovak experts also prepared pilot environments that enabled rapid onboarding of the first customers.

A critical component of the infrastructure is NVIDIA DGX systems — purpose-built AI platforms that integrate high-performance GPUs, optimized networking, and specialized AI software to train and deploy large-scale AI models efficiently. The Košice-based teams participated directly in installing and configuring the first DGX systems for pilot customers, transforming thousands of GPUs into a fully operational production environment within just six months.

This achievement demonstrates how European innovation increasingly depends on distributed expertise.

Architects, network specialists, engineers, and operations experts from Slovakia worked closely with colleagues in Germany and global partners, proving that large-scale technological milestones result from true cross-border collaboration.

FROM SHOWCASE TO REAL-WORLD IMPACT

Importantly, the Industrial AI Cloud is not a demonstration project but a production-grade platform already supporting real customer workloads. The next phase will focus on expanding GPU capacity, onboarding additional industrial customers, and introducing new AI-driven cloud services.

For Deutsche Telekom, the initiative establishes a sustainable sovereign AI capability across its ecosystem. For European businesses, it lowers barriers to adopting advanced AI technologies. And for Slovakia, it highlights the country's growing role as an engineering hub, contributing directly to Europe's digital future.