

Agile Robots and Audi to transform automotive logistics with mobile humanoids, supported by Dassault Systèmes and NVIDIA

Berlin, October 21, 2026 – Four innovation leaders join forces to bring AI-powered robotics into automotive logistics. Agile Robots, Audi, Dassault Systèmes and NVIDIA announced today at NVIDIA GTC Berlin a proof-of-concept to automate parts sequencing at Audi's Ingolstadt plant using mobile humanoids.

At Audi, demand-driven material supply relies on highly complex sequencing operations. Every day, around one million picks ensure that the right parts reach the right workstation in the right order for assembly. Audi and Agile Robots, together with Dassault Systèmes and NVIDIA, aim to take this process to the next level: In the Production Lab, Audi's innovation space for testing future production and logistics technologies, mobile humanoids from Agile Robots are picking parts from material containers and placing them in the correct sequence for final assembly of Audi premium vehicles. The Audi Supply Chain experts contribute their sequencing expertise and define the operational requirements for testing the use case under real-world conditions.

The project is already underway. Before robot deployment within Audi's smart intralogistics environment, a virtual twin of the logistics environment is being created using Dassault Systèmes' DELMIA application. In the future, LEO, Dassault Systèmes' AI-powered Virtual Companion, will assist the engineers and accelerating the process from months to days. Feasibility, timings, ergonomics and safety for the robot's task will be tested within the virtual twin on Dassault Systèmes' 3DEXPERIENCE platform, leveraging the company's Industry World Models and NVIDIA Omniverse libraries.

Flexible, robust mobile humanoids for Audi's thinking factory

Munich based Agile Robots already has over 20,000 robotic solutions deployed with customers worldwide. The company's newly developed mobile humanoid robots combine humanoid reach and dexterity with the robustness of a mobile base. They work at human height, and so slot into Audi's existing environment.

The proof of concept supports Audi's vision of highly automated in-house logistics within the thinking factory, where AI and robotics work hand in hand with employees. By automating complex and repetitive sequencing tasks, the technology can help reduce manual workload, increase efficiency and enable employees to focus on higher-value activities.

Solving a previously unsolvable problem

Two of the most persistent challenges in automation have been the handling of high-variant or semi-rigid parts and the reliable picking of unsorted components from

containers. Agile Robots' mobile humanoids are designed to address both. Their dual-arm manipulation capabilities enable them to handle large and flexible parts, while AI-powered perception allows them to identify, grasp and manipulate a wide variety of components with precision, even when stored in mixed containers or presented in varying positions and packaging.

Together, the partners are pushing the boundaries of automated kitting to demonstrate how Physical AI-powered humanoid robots can become a gamechanger for future logistics, enabling the automation of tasks that have long been beyond the reach of traditional robotics and paving the way for high-volume series production.

Innovating German automotive production – with combined technology and experience

Agile Robots founder and CEO **Dr. Zhaopeng Chen** said: “Agile Robots is driving industries forward with Physical AI. Working with Audi we show how our mobile humanoids can perform high-value, critical tasks that were previously impossible to automate. That is what Physical AI is all about – real progress for industrial productivity.”

Gerd Walker, Board Member for Production and Logistics at AUDI AG said: “The future of manufacturing will be defined by how successfully we combine industrial expertise with artificial intelligence. For decades, picking within the sequencing process has remained one of the toughest automation challenges in automotive logistics. Together with our partners, we are now exploring how AI-powered robotics can help solve this challenge and unlock a new level of productivity in our Audi factories.”

Philippe Laufer, Executive Vice President, 3DS Global Brands, Dassault Systèmes said: “The breakthrough is not simply bringing humanoid robots into the factory at high pace. It is being able to engineer and validate their mission and role before they ever enter it physically. With 3DEXPERIENCE Virtual Twins Factory, powered by Industry World Models and Virtual Companions, engineers can accurately experiment feasibility, timing, ergonomics and safety in a virtual environment, reducing work that can take months to days, and consequently speed up the commissioning of these humanoid robots within the plants. Together with NVIDIA and our partners, we are turning Physical AI into competitive advantages industry can deploy with confidence.”

“Humanoid robots are advancing automation beyond fixed, repetitive tasks to the complex, variable work at the heart of modern manufacturing,” said **Deepu Talla**, vice president of robotics and edge AI at NVIDIA. “Audi and Agile Robots are using Dassault Systèmes DELMIA and NVIDIA Omniverse physical AI libraries to simulate and validate mobile humanoids for parts sequencing, tackling one of automotive logistics’ toughest workflows with minimal changes to existing operations.”



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About Agile Robots

Agile Robots is a leading provider of AI-powered robotics solutions to automotive, consumer electronics, healthcare, and service customers. By combining artificial intelligence and robotics, the company makes industries smarter, more flexible, and more efficient.

Founded in Munich in 2018 by renowned robotics researchers from the German Aerospace Center (DLR), Agile Robots has experienced rapid global growth. Today, more than 3,500 highly skilled robotics and AI enthusiasts from almost 60 nations work for the company and have installed more than 20,000 robot solutions worldwide.

Agile Robots is at the forefront of what's possible in robotics and automation. The company has one of the largest research and development teams in the AI and robotics industry and is a key driver of the industrial transformation. On more than 10,000 square meters of lab space, the international team bridges the gap between hardware and software to create the next generation of industrial automation solutions. The company has successfully filed over 650 patents to date.

Agile Robots has built a unique portfolio, together with the subsidiaries BÄR Automation, Franka Robotics, idealworks, and Krause Automation, the company covers all areas of AI-driven robotics.

Find out more about Agile Robots [here](#).

About Audi

Audi combines premium mobility with technological progress and pioneering design. For more than five decades, "Vorsprung durch Technik" has embodied Audi's technological ambitions.

Audi offers a broad portfolio of premium vehicles for different customer needs and regional requirements. The Audi Group operates in more than 110 markets, manufactures vehicles at 21 production sites in twelve countries, and employs more than 88,000 people worldwide. The brand's history dates back to 1909. Since 2026, Audi has also competed in Formula 1 with its factory team.

In addition to the Audi brand, the Audi Group includes the sports-car manufacturer Lamborghini, the luxury brand Bentley, and the motorcycle manufacturer Ducati.

Find out more about the Audi Group [here](#).
