



German Federal Minister for Housing, Urban Development and Building visits KUKA to talk about automated house construction

Augsburg, 8 October 2024 – A shortage of living space, rising prices and a lack of skilled workers are among the major challenges facing society. Automated modular house construction offers a solution here. During a visit to KUKA, Klara Geywitz, the German Federal Minister for Building, was informed about the innovative new concept.

Automated house construction largely relocates the construction site to the factory – entire housing elements are produced on the assembly line with the help of robotics in a highly automated and digitized manner, and only need to be put together on the construction site. “At KUKA, we are applying the automation and systems expertise we have built up over decades to the construction industry,” says Timo Heil, CEO of KUKA Systems EMEA. “And this innovative concept offers enormous potential.”

Automated modular house construction significantly reduces construction time and costs, helps to compensate for the shortage of skilled workers, conserves resources and opens new perspectives for greater sustainability.

“With the use of robotics, living spaces can be built faster, more sustainably and more cost-effectively. In view of the shortage of skilled workers and the high demand for living space, we need more digitalization in the construction industry. KUKA is showing how modern automation technologies can advance modular house construction and thus make construction fit for the future,” said Federal Minister Klara Geywitz.

Unique house-building factory

This new, innovative construction concept is already being implemented. KUKA is building a turnkey, flexible system with 50 robots in the world's first unique

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smart factory, owned by GROPYUS in Richen, Baden-Württemberg. From 2025, multi-storey, sustainable timber-hybrid apartment buildings will be digitally planned there, produced on an industrial scale with a high degree of automation and then assembled on the construction sites with a degree of automation. Every year, GROPYUS will create more than 3,500 apartments using KUKA technologies.

KUKA

KUKA is an international automation group with sales of more than EUR 4 billion and around 15,000 employees. As one of the world's leading suppliers of intelligent, resource-saving automation solutions, KUKA offers industrial robots, autonomous mobile robots (AMR) including controllers, software and cloud-based digital services as well as fully connected production systems for a wide range of industries- primarily for markets such as automotive with a focus on e-mobility & battery, electronics, metal & plastic, consumer goods, food, e-commerce, retail and healthcare. The company is headquartered in Augsburg, Germany.