



## Artificial intelligence in production: KUKA AIVI intelligent control system revolutionizes intralogistics

**Augsburg, November 11, 2020 – KUKA's series of digital press conferences under the motto "Join us for a coffee..." entered the third round. This time, Michael Jürgens, Head of AGV Solutions, and Markus Steppberger, Head of System Development at KUKA, immersed the participants in the world of artificial intelligence. The focus was on automated guided transport vehicles in automated, networked production - controlled by the intelligent KUKA AIVI software.**

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The virtual discussion round began with the challenges of the fourth industrial revolution: "Digital change, global competition and increasing variant diversity with fluctuating solution sizes demand flexible production," said Michael Jürgens. "We are meeting these demands with our intelligent automated guided transport systems.

### **KUKA AIVI: the intelligent heart of flexible production**

The market increasingly demands fully automated, locally flexible and scalable intralogistics; solutions for flexible and demand-driven production are required. "With our AI-based KUKA AIVI control system, nothing stands in the way of intelligently networked production," said Markus Steppberger. The software solution is helping to ensure that static production facilities are increasingly being replaced by flexibly designed systems. "AIVI, the intelligent heart of a system, uses artificial intelligence to control the automated guided transport vehicles - or AGVs for short - and ensures both optimum material flow to the production line and perfect utilization of the AGVs. This allows customers to invest more selectively and benefit from lower investment costs," explained Steppberger. The team has already been able to prove that this concept also works in practice, for example in the body-in-white production at BMW.

### **The key to success: concentrated software and engineering competence**

The people behind KUKA's solutions were also the focus of the digital coffee break: KUKA's AGV Solutions Team combines skills in high-level language



development and comprehensive knowledge in the field of intelligent software solutions with a high level of expertise in robot-based system engineering. "The experience gained in day-to-day work in the field of intelligent systems and robots at KUKA, combined with enthusiasm and IIoT know-how, is our key to success," said Jürgens. "State-of-the-art solutions for the industrial Internet of Things together with innovative and customized automation solutions enable us to successfully implement all intralogistics production processes for faster throughput times, a more efficient supply chain and thus higher production profitability".



*Michael Jürgens,  
Head of AGV Solutions at KUKA*



*Markus Steppberger,  
Head of System Development at KUKA*

You can also find pictures related to the press release in our [KUKA media library](#) (source for all pictures: KUKA Group).

## KUKA

KUKA is a global automation corporation with sales of around EUR 3.2 billion and around 14,000 employees. As a leading global supplier of intelligent automation solutions KUKA offers its customers everything from a single source: from robots and cells to fully automated systems and their networking in markets such as automotive, electronics, general industry, consumer goods, e-commerce/retail and healthcare. The KUKA Group is headquartered in Augsburg, Germany. (31.12.2019)