

## **Hannover Messe 2026: Bosch focuses on the interplay between humans and AI**

### **Industrial AI for greater competitiveness**

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- ▶ Tanja Rueckert: “Artificial intelligence is the decisive lever for future-proofing German and European industry in the face of global competition.”
- ▶ Agentic AI in manufacturing enables savings of up to 30 percent and increases competitiveness.
- ▶ AI network any.site speeds up maintenance and servicing with “knowledge assistants.”
- ▶ According to the Bosch Tech Compass, 70 percent see AI as the dominant technology of the future.

Stuttgart and Hannover, Germany – At Hannover Messe 2026, Bosch will be demonstrating how artificial intelligence (AI) is becoming the driving force behind profitability and competitiveness in the manufacturing industry. The focus is on tried-and-tested AI applications that increase efficiency and quality and make the vision of the intelligent, resilient factory a reality. “Artificial intelligence is the decisive lever for future-proofing German and European industry in the face of global competition. It’s no longer a question of ‘if,’ but rather ‘how’ and especially how quickly AI gets used for this purpose,” explains Tanja Rueckert, member of the Bosch board of management and responsible for the Industrial Technology business sector.

### **The focus is on people: AI as an intelligent partner**

AI is used as an intelligent assistant for skilled workers in manufacturing. For example, voice assistants make it easier to input data and can provide direct instructions for troubleshooting in the event of a fault. At the same time, the technology offers a pioneering solution for the demographic change that industry faces in the years ahead: AI systems can record and structure seasoned experts’ invaluable knowledge before they retire, thus ensuring it can be passed on to the next generation of workers. This makes experience-based knowledge scalable and retains it for the company.

### **Industry expertise meets IT expertise**

Bosch Connected Industry is addressing these industry requirements and expanding its portfolio around its agentic AI solution, [Manufacturing Co-Intelligence®](#). With the help of Microsoft technologies, agentic AI offers new opportunities to increase production efficiency. At Hannover Messe 2026, Bosch will be demonstrating how its expertise in industrial data and AI complements Microsoft's IT infrastructure and platform expertise. Application scenarios built on Microsoft Azure will be presented for the first time this year, including AI-supported condition monitoring and connectivity for machine control systems (OT systems) with Bosch Rexroth's ctrlX AUTOMATION.

### **Delivering efficiency through multi-agent systems and people**

The agentic AI used in Manufacturing Co-Intelligence® ensures that problems arising in the production process, e.g. for threaded connections, are detected at an early stage and downtimes are minimized. Even a single agentic use case in a plant can achieve annual savings of almost a million euros. The potential grows with the scope of use: customers who roll out Manufacturing Co-Intelligence® more broadly can achieve productivity gains of 5–15 percent, cut costs by 10–30 percent in specific areas, and solve operational problems up to 50 percent faster.

### **Agentic flows improve interactions in manufacturing**

Agentic flows allow individual agents, tools, and data to be orchestrated into end-to-end workflows. One example is the combination of two agents, Shopfloor and Smart Maintenance: as a specialized team in the multi-agent system, the AI supports humans during planned and unplanned maintenance measures. From fault analysis to guided and optimized servicing instructions and independent documentation, the AI is always at workers' side and ensures a major reduction in downtime. This also has advantages for future rounds of maintenance: since the data is processed in a structured manner, the AI can immediately suggest possible causes – even drawing on error patterns that occur in other plants around the world belonging to the respective network.

### **AI on the rise: Bosch Tech Compass shows growing importance**

The [Bosch Tech Compass](#) confirms the growing importance of AI. Fully 70 percent of survey participants worldwide now consider AI to be the dominant technology of the future – a huge increase over just 41 percent in comparison to 2023. This clearly sets AI apart from all other technologies; its perceived relevance has almost doubled in just three years. A recent Bitkom study shows that 42 percent of industrial enterprises are already using AI in manufacturing and 82 percent consider it to be crucial for their future competitiveness. “Our solutions make AI tangible and prove that it has a direct impact on profitability. Bosch gives companies the means to make their manufacturing not only more efficient, but also more resilient and sustainable,” Rueckert says.

### **Network for industrial AI “knowledge assistants”**

This is supported by the work of any.site, a cross-company network for industrial AI that Bosch Rexroth will be developing together with ServiceNow and the Next Level Mittelstand initiative. The platform connects machinery manufacturers, service providers, and manufacturing teams via AI-supported “knowledge assistants,” making it easier for experts to search for information around the clock during commissioning and maintenance. The network surrounding any.site’s range of solutions and infrastructure is constantly being expanded. “With any.site, AI becomes the defining link in production. It makes experts’ and manufacturers’ know-how accessible at any time and thus raises efficiency and collaboration to a new level,” Rueckert says. It’s not just users in manufacturing who stand to benefit from any.site, but also machinery manufacturers. In the future, they will be able to monetize their product knowledge by bringing their expertise to the shopfloor via AI-supported knowledge bots. By combining machinery manufacturers’ documentation, service data records, and shopfloor data, these bots can provide the machine’s operators with validated instructions, troubleshooting steps, and spare parts guidance.

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*The Bosch Group is a leading global supplier of technology and services. It employs roughly 413,000 associates worldwide (as of December 31, 2025). The company generated sales of 91 billion euros in 2025. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, digitalization, electrification, and artificial intelligence. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in hardware, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture intelligent, user-friendly, and sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 500 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. Bosch employs some 82,000 associates in research and development.*

*The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a limited liability company with a charitable purpose. The remaining shares are held by Robert Bosch GmbH and by a company owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industrietreuhand KG. It is entrusted with the task of safeguarding the company's long-term existence and in particular its financial independence – in line with the mission handed down in the will of the company's founder, Robert Bosch.*

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