

## Press release

Hameln/Nürnberg, Germany, 12. November 2024

# Scalable performance in automation systems

**With Lenze controllers, machine builders can quickly scale the performance in their automation landscape. As a central component of Lenze's open automation system, they facilitate the modular design of machines. Machine builders benefit from a shorter time-to-market thanks to modern engineering and the use of prefabricated software modules.**

Machine builders are increasingly looking for scalable performance in their automation landscape, especially when it comes to controllers. Lenze knows the needs of the market very well and, with its controllers, offers a platform that is both easily scalable in terms of performance and offers functions that enable modular system and machine design with little effort.

The automation specialists with HQ in Hamelin, Germany, will be presenting these innovations at SPS - smart production solution in Nuremberg. Users can adapt optional nodes on EtherCAT much more easily. The option of different parameter sets for drives also reduces the effort required for different performance classes within the machine.

### **Interaction of controller and visualization**

In conjunction with the EASY UI Designer engineering tool, machine builders can quickly develop aesthetic machine visualizations. The automation specialists have been investing in their visualization expertise for several years.

"Good visualization is crucial for the success of a machine. A high level of usability promises process stability, greater efficiency in operation, reduces training costs, is an answer to the shortage of skilled workers in the industry, and thus creates competitive advantages for the customer," explains Dr. Julia Jürgens, Product Manager Automation Systems. She is responsible for visualization at Lenze and, together with her team, consistently focuses on

web-based visualization. In line with this, Lenze has expanded its portfolio to include web panels that can be used in the field as well as in the control cabinet.

### **Lenze automation system**

— Around the c430, c520 and c550 controllers, Lenze offers an innovative and open automation system, from the field level to the cloud. User-oriented engineering supports customers. Lenze relies on ready-to-use modules from the Lenze FAST Application Software as well as on templates and applications that enable individualization and at the same time reduces development times. A central element is the System Designer, which efficiently supports the development process of a new machine from the initial idea, through the specific drive design, to the PLC programming interface. In the PLC Designer, users start with a created project tree, while FAST software modules reduce the scope and complexity of programming. With applications on the edge — layer, additional functions are added to the machine that enable condition monitoring and process optimization, for example. Lenze provides the right tool for managing and rolling out these apps with the NUPANO App Management. Cloud solutions such as the Asset Performance Platform, which facilitates collaboration between OEMs and machine operators in the event of servicing, round off the range.

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**About Lenze**

Lenze is a leading automation specialist and focuses on designing efficient and sustainable processes for production and material flow. For over 75 years, the company has been a pacesetter in automation and a strong partner at the side of its customers from the machine and plant manufacturing industry. With the help of a triad consisting of electrical engineering, software and a platform strategy, Lenze supports its customers in digitization and helps them to cut costs, optimize the utilization and lifecycle of machine systems and reduce their energy consumption. Lenze's portfolio consists of high-quality mechatronic solutions, powerful systems made of hardware and software for machine automation, and digital services for the machine and plant manufacturing industry.

The Lenze Group, headquartered in Aerzen, employs more than 3,700 people globally and is represented in 45 countries. The company generated revenue amounting around one billion euros across the Group in the 2022/2023 financial year.

[www.Lenze.com](http://www.Lenze.com)

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