

PRESS INFORMATION

New partners in the ctrlX World: Range of hardware and software becomes increasingly diverse

Manuela Kessler | 09.10.2025 | Lohr am Main / Germany | PI 046/25

- SEW-EURODRIVE, Emerson, Cognibotics, and Schmersal are new ctrlX World partners
- New hardware and software in the areas of drives, pneumatics, safety and programming
- ctrlX OS Ecosystem with growing scope of solutions



ctrlX World is continuing to expand. From left to right: Christian Lumpe, Schmersal, Steffen Winkler, Bosch Rexroth, Stefan Schmitt, Christian Kessler, Tobias Nittel, SEW-EURODRIVE, Hans Michael Krause, Bosch Rexroth. (Image source: Bosch Rexroth AG)

Bosch Rexroth and its partners are providing an increasingly broad range of solutions at all levels of automation. ctrlX World encompassing the automation system ctrlX AUTOMATION and the operating system ctrlX OS is constantly expanding and adding new partners, such as SEW-EURODRIVE, Emerson, Cognibotics and Schmersal. This means that users have an ever-growing range of hardware, software and apps at their disposal – including digital drive control, pneumatic solutions, machine safety and intuitive development environments.

The automation system ctrlX AUTOMATION supplies all the components for complete automation solutions. These include controls, I/Os, IPCs, HMIs, safety solutions and drives as well as comprehensive motion, PLC and IoT functionalities. With ctrlX OS, Bosch Rexroth has also developed a Linux-based, open operating system with its own ecosystem, which is also available to third-party vendors, including competitors. The partner network ctrlX World is continuously expanding this scope of available solutions with hardware, software and in particular apps.

"Our partner world reflects the market, growing in line with the requirements of our customers. They benefit from greater choice, a shorter time to market and the possibility of mapping entire value chains end to end," says Steffen Winkler, Senior Vice President Sales, Business Unit Automation & Electrification Solutions at Bosch Rexroth.

Drives from SEW-EURODRIVE now part of the ctrlX OS Ecosystem

ctrlX World welcomes another drive technology provider – SEW-EURODRIVE. This means that the company's frequency converters and gear motors have been added to the ctrlX OS Ecosystem. Further drives as well as an app for the ctrlX OS Store are set to follow. In the future, it will be possible to use the app to control drives according to the CiA standard (CAN in Automation), specifically the profile CiA 402, conveniently via a modern frontend.

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This will give users more options for controlling and performing diagnostics on drives. Multiple drives from SEW-EURODRIVE can be addressed centrally via hardware running ctrlX OS, making handling easier and increasing efficiency.

Emerson provides pneumatics and handling solutions

With its Aventics brand, Emerson expands the ctrlX World by providing powerful solutions in pneumatics and servo-electric handling. These include the IIoT-capable, modular AV valve system, which can be seamlessly connected to ctrlX OS. Users can comprehensively control valve functions, use intelligent I/O capabilities and analyze diagnostic data in detail – an ideal basis for transparent, efficient processes.

In addition, Emerson plans to integrate Aventics servo-electric handling systems into the ctrlX OS Ecosystem. This will enable users to control movement sequences precisely, carry out targeted diagnostics, and thus achieve greater efficiency and flexibility in automated applications.

Cognibotics provides intuitive programming with Juliet&Romeo

ctrlX World now includes a robotics and software specialist, Cognibotics. The programming framework Juliet&Romeo greatly simplifies robot motion programming. It allows developers and engineers to create logic in a clear and easy-to-maintain way, with modular design, intelligent syntax and seamless integration into existing toolchains.

The framework runs natively on all ctrlX OS devices. It provides real-time synchronization, supports continuous integration/continuous deployment (CI/CD) and facilitates debugging and deployment. In this way, it promotes agile development processes, accelerates implementation and shortens time to market.

Schmersal provides components for machine safety

Schmersal is the first pure provider of safety solutions to be part of the partner network ctrlX World. The Safety Fieldbox from Schmersal enables simple, decentralized connection of up to eight safety devices such as sensors, tumblers, light curtains or emergency stop buttons via pre-assembled 8-pin M12 connectors – which reduces the wiring required as well as errors.

The Safety Fieldbox communicates seamlessly with the control system ctrlX SAFETY via Safety over EtherCAT (FSoE) or with ctrlX OS devices using the new Safety PLC app. This enables ctrlX OS-based machine solutions and easy installation and commissioning of safety components.

ctrlX World is growing rapidly

"We now have over 110 providers in ctrlX World. For our customers, this means they can combine automation solutions even more freely, scale them more quickly and bring innovations directly to industry," Winkler summarizes.

Caption: ctrlX World is continuing to expand. At the 7th ctrlX AUTOMATION trade press conference, two of the new partners presented their solutions. From left to right: Christian Lumpe, Schmersal, Steffen Winkler, Bosch Rexroth, Stefan Schmitt, Christian Kessler, Tobias Nittel, SEW-EURODRIVE, Hans Michael Krause, Bosch Rexroth. (Image source: Bosch Rexroth AG)

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, around 32,600 associates generated sales revenue of 6.5 billion euros in 2024.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 418,000 associates worldwide (as of December 31, 2024). The company generated sales of 90.3 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial

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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, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, 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 user-friendly, 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 490 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. At 136 locations across the globe, Bosch employs some 87,000 associates in research and development.

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