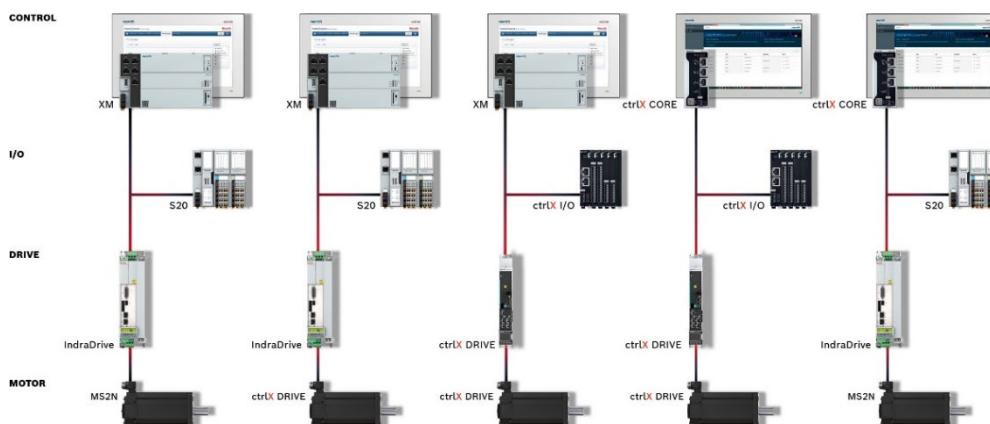**PRESS RELEASE**

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For Immediate Use

Bosch Rexroth's ctrlX AUTOMATION provides a complete automation platform with hardware and software solutions

Open automation solutions are needed for networking and digitalization

- ▶ ctrlX AUTOMATION offers openness, simplicity and modularity
- ▶ Components of previous and new product lines can be combined
- ▶ Third-party vendors can join in the ecosystem

ctrlX AUTOMATION: The most open automation system for all generations (Image source: Bosch Rexroth AG)

The increasing challenges of automation cannot be met by coexisting products, but only by complete solutions. The ctrlX AUTOMATION platform – consisting of hardware and software solutions – has a Linux real-time operating system, completely open standards, app technology for programming, web-based engineering and comprehensive IoT connectivity.

"The level of automation is advancing in all industries. Increasing digitalization requires new solutions that enable networking with other systems and offer openness in all necessary directions. Therefore, our customers require individual solutions that are appropriately interlinked, rather than stand-alone products. Isolated solutions typically operate within their own boundaries and cannot interact with related or other systems,"

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explains Steffen Winkler, Vice President Sales, Business Unit Automation & Electrification Solutions at Bosch Rexroth.

With ctrlX AUTOMATION, Bosch Rexroth creates the necessary interoperability. One of the main unique selling points of the automation platform is the unlimited openness of the system. This applies to the choice of standards and interfaces used, as well as hardware and software integration.

Automation components can be combined with each other as required

With Bosch Rexroth, the customer can use available components − from existing and new solutions to applications from the ctrlX World ecosystem − and combine them as desired. For example, the MS2N motors from ctrlX AUTOMATION can be operated on existing drive controllers and the new ctrlX DRIVE controllers work together with proven CNC and motion controls MTX and MLC. Conversely, users can use the ctrlX CORE control in combination with the drives and I/Os of existing product lines.

The openness of the platform and the ecosystem around ctrlX AUTOMATION also allows for the integration of third-party solutions. Customers can use apps from Bosch Rexroth as well as apps from third-party providers and apps they have created themselves with ctrlX World. This automation platform is also open for the co-creation of solutions and hardware from partners, creating solutions for specific industry requirements.

"The compatibility of the individual components makes it possible to solve automation tasks as needed. The migration to new solutions is easy to implement with ctrlX AUTOMATION. In doing so, we ensure spare parts availability from a guaranteed 10 to a possible 25 years. This allows customers to make their architectures stable, state-of-the art and fit for the future," explains Steffen Winkler.

For more information on ctrlX solutions, visit: www.ctrlX-automation.com

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

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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, more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

To learn more, please visit www.boschrexroth.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 470 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. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500associates in research and development, of which nearly 44,000 are software engineers.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPress.

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