PRESS RELEASE

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For Immediate Use

Now available for everyone: Compact control platform ctrlX CORE from Bosch Rexroth

Embedded control ready to ship after extensive usage by pilot customers

- Compact control system for various automation applications
- Most open control architecture on the automation market
- Heart of the ctrlX AUTOMATION platform

Compact control system ctrlX CORE now available. (Image source: Bosch Rexroth AG)

Bosch Rexroth has defined the industrial control system of the future with its compact ctrlX CORE control system. With its open and flexible architecture, the control platform removes the boundaries between the IPC, embedded system and drive-based technology platforms. This scalable "all-purpose control system" offers numerous advantages such as a fewer component requirement and a reduced engineering effort as well as higher productivity. The embedded control system is now available in series production.

"With ctrlX CORE, we have developed the most consistent, flexible and open control platform available. It meets the growing requirements and can be used for various applications – from pure PLC applications in the general machine market to motion applications for simple handling tasks and typical platform applications," explains Steffen Winkler, Vice President Sales of the Business Unit Automation &

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Electrification Solutions at Bosch Rexroth AG. “The embedded control has already been tested by selected key customers over many months and is now ready for a broader practical use.”

ctrlX CORE is the heart of the automation platform ctrlX AUTOMATION from Bosch Rexroth. A central advantage of the control platform is the open software architecture with flexible app technology. Because today, automation means software development. As a multi-core technology, ctrlX CORE provides the basis for this. It is suitable for any automation application and its openness offers users a completely new scope for setting up functions.

With the modular software toolbox ctrlX WORKS, developers can select the required apps or use any open source software. In addition, it is possible for the customer to run self-developed software on the open platform and convert functions into apps in all common programming languages. Furthermore, industrial applications can be offered in the ctrlX App Store. Third-party apps can also be downloaded. The ctrlX Data Layer, which is anchored in the controls, ensures the communication between the apps and manages the secure information access of all apps.

Bosch Rexroth has developed the ctrlX Device Portal for easy administration, maintenance and servicing of the device software. It enables the central administration of control systems across plants. All available apps can be assigned to the ctrlX CORE and updated.

“When developing the latest generation of our control platform, it was important to us to liberate machine manufacturers and end users from dependency on the availability of PLC specialists and proprietary systems. We implemented this with the Linux real-time operating system, consistently open standards, app technology, web-based engineering and comprehensive IoT connections. In addition to machine and factory automation tasks, ctrlX CORE also solves challenges in areas such as building automation, intra and goods logistics, energy generation and distribution and increasingly mobile automation applications,” summarizes Steffen Winkler.

About 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 Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch

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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 29,600 associates generated sales revenue of around 5.2 billion euros ($6.3 billion) in 2020.
To learn more, please visit www.boschrexroth-us.com.

About Bosch:
Having established a regional presence in 1906 in North America, the Bosch Group employs 34,700 associates in more than 100 locations, as of December 31, 2020. According to preliminary figures, Bosch generated consolidated sales of $13.1 billion in the U.S., Canada and Mexico. For more information, visit www.bosch.us, www.bosch.ca and www.bosch.mx.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 394,500 associates worldwide (as of December 31, 2020). According to preliminary figures, the company generated sales of $87.1 billion in 2020. Its operations are divided into four business sectors: Mobility Solutions, 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 440 subsidiary and regional companies in 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 126 locations across the globe, Bosch employs some 73,000 associates in research and development, as well as roughly 30,000 software engineers.

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

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