

PRESS INFORMATION

Stronger together: Automation needs co-creation

Manuela Kessler | 24.10.2023 | Lohr am Main / Germany |



Steffen Winkler, Vice President Sales, Business Unit Automation & Electrification Solutions Bosch Rexroth AG (Image source: Bosch Rexroth AG)

An ecosystem isn't an ego-system. Its value comes from the combined strengths of different market players. Their various perspectives, experiences, ideas and technologies should be combined in a meaningful way to create an entirely new all-encompassing automation world. Competitors become players, and users and partner become active participants here. It's not just about innovations – it's about coming up with new solutions and taking on responsibility for a better, more sustainable industry.

Our operating system ctrlX OS is the enabler when it comes to meeting these goals. As the core part of the ecosystem initiated by ctrlX AUTOMATION, it has a head start over other solutions in various respects: ctrlX OS is the most modern, open and secure operating system in the field of automation technology. It gives the entire sector access to the ctrlX AUTOMATION ecosystem and all digital services. This results in completely new possibilities for everyone involved. The aim of Bosch Rexroth and the partner companies is to create a new standard for the market – one which allows them to work together to achieve maximum freedom in automation.

Our Linux-based operating system has been used on Rexroth's control platform ctrlX CORE since 2020. It has proven itself in practice and is now available for use by all companies. We're convinced that such operating systems are the future of automation. After all, they make it possible to move away from proprietary systems towards open, modular and scalable microservices architectures. They'll allow a profound transformation of industry, especially in terms of digitalization, connectivity and sustainability.

The market confirms that this openness is exactly the right way to go. More than 1,000 customers worldwide already use ctrlX AUTOMATION. Nearly 100 third-party providers have joined the partner network ctrlX World and are offering their solutions and apps. More and more automation providers, partner companies and users are opting to help shape the paradigm shift with ctrlX OS and ctrlX AUTOMATION. Together, we want to improve the automation sector on a permanent basis for everyone.

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

Basic Information Bosch

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. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

Press Contact

Please get in touch with our Press Contact



Manuela Kessler

Spokesperson
technology topics
+49 9352 184145

Manuela.Kessler@boschrexroth.de