PRESS RELEASE

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For Immediate Use

Bosch Rexroth showcases CS-660 Compu-Spread spreader and joystick controller at IFPE 2020

IoT connected, modular and configurable spreader controller for the controlled application of granular solids and liquids in Snow & Ice Control, and hydraulic control system with 3 axis multi-mode joystick

The CS-660 product family is the next generation of connected devices for the controlled application of material and associated actuator control from Bosch Rexroth.

Bosch Rexroth's Compu-Spread System provides closed-loop ground speed related control of multiple actuators used in material spreading. Data acquisition of these process variables and the ability to access this data in many ways is integral. The global positioning interface supports multiple satellite systems. The HMI is available with integral or remote mount automotive-grade 7" colour capacitive touch screen that allows quick system parametrization at start-up and displays all processes being controlled during operation. CANbus links the 3 axis joystick in the console, used to operate secondary actuators (up to 9 proportional functions), to both the HMI and the remote mount BODAS RC micro-controller which drives the hydraulic valves.

The system is highly configurable. In addition to the drop-down menus used to set up the spreader system according to the vehicle requirements, the

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joystick console is modular, allowing the selection of various joystick and switch configurations.

Full data transmission can be done live with the built-in WiFi feature. Post-event data extraction is possible via USB; data sampling can also be done in real-time with a third party AVL utility. Data analysis and reporting are easily done with the desktop software. Apps specific to material spreading are in development; these will become part of the larger suite of mobile machinery monitoring Apps in the larger Rexroth portfolio.

Two Wi-Fi channels are offered with the CS-660, one which can be dedicated to a camera. Video can be shown on the CS-660 display. The WiFi utility allows remote flashing of the HMI which can be extended, when connected, to access the RC micro-controller.

Reliable connection to valves and sensors is guaranteed by the purpose-designed junction block, engineered for harsh environments.

The CS-660 is an extension of Rexroth's Compu-Spread family of products which have been successfully applied in Snow & Ice Control vehicles throughout North America for some 40 years.

Visit Bosch Rexroth's webspecial at: www.boschrexroth-us.com/ifpe

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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 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 32,300 associates generated sales revenue of roughly 6.2 billion euros ($7.3 billion) in 2018.
To learn more, please visit www.boschrexroth-us.com.

About Bosch:
The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). According to preliminary figures, the company generated sales from operations of 77.9 billion euros ($92 billion) in 2018. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. 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 deliver innovations for a connected life. 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 125 locations across the globe, Bosch employs some 69,500 associates in research and development.

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

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