

Press Release

Bosch Rexroth's digital service connects hydraulic power unit with the IoT

CytoConnect provides the Rexroth CytroBox hydraulic power unit with a free digital service that increases availability and reduces maintenance costs

IH19002
04/29/2019

PI 016-19
For Immediate Use



Bosch Rexroth's CytoConnect increases availability and reduces maintenance costs.

In conjunction with Bosch Rexroth's CytroBox hydraulic power units, CytoConnect brings together fluid technology with the Internet of Things (IoT) for maximum availability and lower maintenance costs. The CytoConnect software solution is integrated into the unit and uses sensors to monitor the main operating states and analyzes them online. A dashboard shows maintenance technicians all the relevant parameters and provides important maintenance instructions. In addition to the Freemium basic module, machine manufacturers and users can add on digital service options such as receiving error messages via push alerts or using data analyzed by artificial intelligence for predictive maintenance.

With CytoConnect, maintenance technicians can see CytroBox's most important status data at a glance on any mobile end device. Data types include performance and operating data, oil level, oil quality and temperature. The compact units automatically record the data, pre-process it and send the encrypted data into a cloud. Using the browser-based interface, technicians can dial into the CytoConnect service wirelessly to retrieve the data, regardless of location.

Contact for Journalists:
Bosch Rexroth Corporation
Susan Strauss
2315 City Line Road
Bethlehem, PA 18017
Telephone (610) 694-8352
susan.strauss@boschrexroth-us.com

Phase 3 Marketing & Communications
Laura Craft
Eden Estabrook
1435 West Morehead St., Suite 200
Charlotte, NC 28208
Telephone (704) 729-0146
Laura.Craft@phase3mc.com
Eden.Estabrook@phase3mc.com

Press Release

A plug-and-play solution that is conveniently pre-installed in the CytroBox, CytroConnect requires no additional installation effort. Rexroth provides the basic functions of the software complimentary with the Freemium model of CytroBox power units. Machine manufacturers and end users can also book two additional options in the subscription model.

IH19002
04/29/2019

PI 016-19
For Immediate Use

The “Maintain” module reports errors via a rule-based push service, processes additional status information and provides maintenance instructions. The pre-implemented rules not only help the users but also form the basis for the “Maintain” condition monitoring solution. The rules can even be adapted to individual requirements without programming. The “Predict” service package uses the machine learning algorithms of Rexroth’s Online Diagnostics Network (ODiN). Bosch Rexroth integrated its hydraulic expertise into the software by using analysis algorithms to create a health index for the power unit. These analyses provide the building blocks for predictive maintenance concepts for maximum availability.

In order to use it as a complete solution for comprehensive condition monitoring, system builders, machine manufacturers and end users can integrate Rexroth’s CytroConnect as a module into their own digital IoT maintenance concepts.

With its intelligent and energy-efficient modular design, the newly-designed CytroBox hydraulic power unit from Rexroth provides a new solution for the medium power range up to 30 kW. It requires 50 percent less installation space than conventional units, and with noise emissions of less than 75 dB(A) – even at full load. By integrating IoT technologies, CytroBox also paves the way for consistently implementing Industry 4.0 concepts.

For more info, visit www.boschrexroth.com/cytro

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 drives

Contact for Journalists:
Bosch Rexroth Corporation
Susan Strauss
2315 City Line Road
Bethlehem, PA 18017
Telephone (610) 694-8352
susan.strauss@boschrexroth-us.com

Phase 3 Marketing & Communications
Laura Craft
Eden Estabrook
1435 West Morehead St., Suite 200
Charlotte, NC 28208
Telephone (704) 729-0146
Laura.Craft@phase3mc.com
Eden.Estabrook@phase3mc.com

Press Release

and controls, 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 30,500 associates generated sales revenue of approximately 5.5 billion euros (\$6.2 billion) in 2017.

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 nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit twitter.com/boschusa, twitter.com/boschmexico and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros (\$88.2 billion) in 2017. 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 64,500 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](https://twitter.com/BoschPresse).

#

IH19002
04/29/2019

PI 016-19
For Immediate Use

Contact for Journalists:
Bosch Rexroth Corporation
Susan Strauss
2315 City Line Road
Bethlehem, PA 18017
Telephone (610) 694-8352
susan.strauss@boschrexroth-us.com

Phase 3 Marketing & Communications
Laura Craft
Eden Estabrook
1435 West Morehead St., Suite 200
Charlotte, NC 28208
Telephone (704) 729-0146
Laura.Craft@phase3mc.com
Eden.Estabrook@phase3mc.com