

More yield, lower costs, less time required: NEVONEX increases efficiency in agriculture Digital ecosystem awarded the Agritechnica Innovation Award 2019 in silver

November 8th, 2019
PI 11047 BEG MBC/Af

- ▶ Manufacturer-independent and open ecosystem brings digital services directly into the agricultural machine
- ▶ Connectivity and automation of equipment and workflows enables more efficient processes in agriculture
- ▶ NEVONEX at Agritechnica (Pavilion 11, Booth C10)

Stuttgart - In times of tight profit margins in agriculture, high efficiency in the cultivation of arable land is more important than ever. Modern IT solutions are in demand that help farmers save time and money, increase yields and conserve environmental resources by automating and networking equipment and workflows. "With NEVONEX powered by Bosch, we now offer a comprehensive digitization approach for agriculture. The smart ecosystem is designed as a manufacturer-independent and open platform on which suppliers of agricultural technology, resources or services can offer their services," explains Andrew Allen, responsible for Commercial Vehicles and Off-Road at Robert Bosch GmbH.

Currently, eight active partners - AMAZONE, LEMKEN, Pessl Instruments, RAUCH, Syngenta, Topcon, Xarvio and ZG Raiffeisen - are already developing functions and tools for networking and automating devices and workflows in the NEVONEX ecosystem. Together with Bosch, they received this year's Agritechnica Innovation Award in silver for their innovative, user-friendly platform concept. "The eight current partners are only the beginning, more companies will be added in the coming months and will successively complement the NEVONEX service offering," says Andrew Allen.

NEVONEX provides the technical infrastructure for the services and coordinates the partner network. This ensures that the services of the various companies are compatible. The partners develop application softwares, so-called FEATURES,

which are then executed directly on NEVONEX-capable agricultural machinery. The integration of the control unit into the electronic architecture of the implement enables active intervention in the functions of the machine and thus the automation of work processes and their documentation. Networking the sensors present or retrofitted on the agricultural machine creates further efficiency potential, for example through optimized application of seed, fertilizers or crop protection agents. Time-saving, direct data transmission to the farmer's farm management system is also possible.

NEVONEX by Bosch will initially be offered in selected regions in Europe in 2020, followed by its market launch in North and Latin America. Interested visitors can find out more about NEVONEX at Agritechnica from 10 to 16 November 2019 in Pavilion 11, Booth C10.

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NEVONEX powered by Bosch is an open, neutral ecosystem for smart, digital agriculture. With the help of the NEVONEX-enabled control unit, the common ecosystem approach makes both new and existing agricultural machinery smart, which simplifies the farmer's work processes. The bundled know-how and expertise can be used directly on the machine in the form of digital services (so-called FEATURES). Thanks to the reliable, end-to-end implementation through all the work steps, farmers benefit from higher yields, optimized operating processes and less use of seed, fertilizer and crop protection materials, while at the same time protecting the environment.

NEVONEX offers agricultural players a robust, securely managed framework and an end-to-end infrastructure, enabling partners to develop, deploy and use integrated digital services quickly, easily and directly.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). The company generated sales of 78.5 billion euros 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 460 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 nearly 130 locations across the globe, Bosch employs some 68,700 associates in research and development.

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