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ROBOTTI releases a significant range of software upgrades in 2024

ROBOTTI continues to bring innovations to the market and provide farmers with cutting edge tools for enhanced autonomy. One of the most powerful tools for all autonomous robots is their software, which significantly differs in functionality and detailed options.

“ROBOTTI advanced software, called ROBOTTI Control Tower, is designed to provide farmers with unique control mechanism and enriched documentation. We constantly improve and update the software and driving patterns to accommodate diverse farming needs and customer requirements” – says Ole Green, AGROINTELLI’s Founder and CEO.

In response to valuable customer feedback and comprehensive field testing we integrated several innovative driving patterns and load depended planning into ROBOTTI Control Tower. Until now ROBOTTI could already drive either in row by row scenario, group several rows or in optimized route driving pattern. New patterns include “Coiled” as well as “Back and Forth” pattern, which add stability, reduce tilting and side slip while driving especially when working in vegetables grown in raised beds. When using this pattern both sides of ROBOTTI drive in tracks with the same condition, where either both sides are worked or left out. Load depended planning allows farmers to optimize operations based on the capacity of the implement. It means that the farmers can specify the maximum area or the number of rows to be worked out, aligning with the available resources. These new options result in better field coverage and optimal use of time and resources.

Another new software functionality is called the Subfield Management, this function is for the first time in autonomous agricultural robot route planning offering outstanding flexibility also for fields with unconventional shapes and designs. This innovative feature allows ROBOTTI users to create subfields within their larger and irregularly shaped fields. Each subfield is designed like an individual field with its own AB line and allows to split fields in order to better align the autonomous driving within the field terrain conditions. Within the subfield rows or patterns can be added for pre-planted crops, achieving unmatched precision in crop integration. Subfield Management gives farmers a revolutionary tool so that they can approach optimal field coverage and maximize the yield potential of their land.

“ROBOTTI Control Tower allows these constant upgrades and improvements for all users to be done automatically while the machine is online and they are available for most of our older ROBOTTI versions. We want all our machines to be able to facilitate the needs of the farmers in the same way” – adds Ole Green, AGROINTELLI’s Founder and CEO.

ROBOTTI will be presenting these as well as other news at FIRA, The Ag Robotics Forum 2024 in Toulouse, where AGROINTELLI is regularly attending since the beginning of this event.

We will look forward to meeting you during the event at our stand or show you ROBOTTI live during the field demos.

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About AGROINTELLI

ROBOTTI is designed, developed and manufactured in Denmark by AGROINTELLI, with subsidiaries in Germany, Poland and Spain.

AGROINTELLI was founded in 2015 on the fundament of more than 15 years of university research and development and based on and IP-protected by 14 issued patents.

ROBOTTI it is CE certified and offers the most advanced digital platform and safety system for successful autonomous farming operations.

ROBOTTI, is an universal autonomous tool carrier with three-point hitch so that it can be fitted with standard agricultural implements, e.g. for precision weeding, seeding and other tasks.

ROBOTTI, is supported by a wide distribution network with local representatives in most European countries as well as in Canada and Australia – offering local support, service and training.