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Antobot announces global expansion of its universal AI-Powered â??uRCUÂ® Robotic control unit for agritech

11 April 2025 | News

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Antobot, a robotics company specializing in AI-driven automation for agriculture and Â global agritech provider of robotic solutions for the horticulture industry, announced the global expansion of its uRCUÂ®Â (universal Robot Control Unit) - the worldâ??s first embedded AI and controls unit specifically designed for Agri-Robots.

While the agri-robotic space is gathering momentum there is huge fragmentation meaning that combining disparate technologies into a working and economically viable solution is problematic. Antobotâ??s uRCUÂ®Â delivers a cost-effective, automotive-grade, compact and universally compatible all-in-one solution making AI-powered automation and precision control accessible to farms of all sizes.

The uRCUÂ®Â compliments Antobotâ??s existing autonomous robotic ecosystem including;Â AntoOSÂ®Â - an end-to-end operating system, AntoVision & AntoMove - AI-driven perception and motion systems and the Modular Robot Platform - an adaptable, robust and cost effective autonomous robot which is adaptable to provide specific on farm applications including; scouting, spraying, logistics, and UV treatment.

Antobot is currently deploying commercial robot applications at scale on farms globally with this ecosystem - using autonomy and AI to increase resilience to labour challenges and develop sustainable growing methods.

Marc Jones, VP of Commercial at Antobot, said, â??In order for robotics to reach their potential in agri-tech, there needs to be a common universal controller which seamlessly integrates AI-driven automation and control into one unit. Our uRCUÂ® Â does just that, working with existing agriculture systems as well as our own ecosystem of end-to-end autonomous robotic solutions.â?•

Powering the cm precision accuracy that these autonomous robotic solutions require to work effectively in confined and challenging environments, Antobot uses u-bloxâ??s PointPerfect PPP-RTK GNSS services which provide centimetre level positioning accuracy, global coverage and a flexible and predictable pricing structure.