



Kailas Robotics to Collaborate with MD-Farm's Strawberry Plant Factory on Advanced Robotic Arms Development

Saitama, April 8, 2024 - Kailas Robotics Inc. (hereinafter referred to as "Kailas"), a leader in the development of advanced robotic arms, is pleased to announce a memorandum of understanding with MD-Farm Corporation (hereinafter referred to as "MD-Farm"), aimed at technical collaboration for the commercialization of the harvesting robot arm currently under development by MD-Farm's strawberry plant factory.

MD-Farm has already been developing its own harvesting robots; however, it has now concluded a Memorandum of Understanding with Kailas, which possesses advanced technical capabilities in robotic arms. This initiative is expected to ultimately create a system that easily automates the harvesting process in plant factories.

Kailas has developed small, high-performance robotic arms that can be mounted on mobile units such as drones. In 2023, the company was selected for the Deep Tech course of the Global Startup Acceleration Program (GSAP), led by the Ministry of Economy, Trade, and Industry, and has participated in UC Berkeley SkyDeck, a world-class startup acceleration program, where it has honed its expertise.

MD-Farm is developing a state-of-the-art strawberry production factory capable of multiple harvests throughout the year and was selected for the Ministry of Agriculture, Forestry and Fisheries Small and Medium Enterprise Innovation Creation Promotion Fund Project on December 28, 2023. In this project, a factory is being constructed in Nanyo City, Yamagata Prefecture, and a final integrated demonstration toward creating a new form of agriculture combining AI and DX (Digital Transformation) is underway. At this factory, the maximization of cultivation efficiency in the strawberry plant factory will be demonstrated, and MD-Farm will enter the domestic strawberry market in earnest and actively expand into overseas markets.

The two companies aim to reduce labor in agriculture and eliminate human involvement in hazardous work. As a first step, Kailas will provide advice, support, and collaborative development for the advanced robotic arm system in the strawberry plant factory developed by MD-Farm. The technologies developed will not only be applied to strawberries but will also be adapted for various other crops and rolled out globally.

About MD-Farm Corporation

MD-Farm is committed to leading the way in advanced strawberry plant factories, aiming to realize a sustainable world and enhance corporate value. Moving beyond traditional agriculture that focuses on crop production, MD-Farm seeks to software-ize cultivation know-how, promoting a new form of agriculture, Agri-DX, that allows "anytime, anywhere, and anyone" to cultivate crops.

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For more information about MD-Farm, please visit: <https://www.md.farm/>

About Kailas Robotics Co., Ltd.

Kailas Robotics' robotic arms are developed based on cutting-edge SoC (System on Chip) and designed from FPGA (Field Programmable Gate Array), achieving miniaturization. The core technology involves a gripping technique that ensures the arm can securely grasp objects even when the pivot moves. The company develops innovative arms essential for various robots, optimizing control systems and actuators for drones, UGVs, humanoids, and prosthetic hands.

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For more information about Kailas Robotics, please visit: <https://www.kailasrobotics.com/>

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