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Malaysia's Entomal Biotech and Japan's Kisui TECH shines with agri-innovations at AEA2024

09 December 2024 | News

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The Asian Entrepreneurship Award (AEA) Steering Committee held AEA2024, the 13th annual innovation award event for fast-growing Asian startups, on November 20thÂ and 21st. Taking place in-person for the first time in five years, the event was held at Kashiwa-no-ha Smart City in Chiba prefecture.

The Asian Entrepreneurship Award aims to help create an innovation ecosystem in Asia by bringing together young entrepreneurs from fast-growing Asian countries with Japanese investors, established major companies and other startup supporters from those countries.

Entrepreneurs from Asian Countries and Regions Compete at AEA2024 Innovation Award held in Kashiwa-no-ha. This yearâ??s winner: Entomal Biotech from Malaysia, offering biotech waste management solution that converts organic waste into insect protein and fertilizer. Kisui TECH from Japan wins Kashiwa-no-ha Award and places third overall with its autonomous AI off-road platform supporting agriculture.

Entomal Biotech Sdn. Bhd. (Malaysia) : Entomal Biotech is a startup offering innovative and proprietary bioconversion technology that utilizes black soldier ants to convert food and other organic waste into high-quality insect protein and nutrient-rich fertilizer in just seven days. The solution can be used in small mobile systems or in large-scale processing facilities to handle diverse waste volumes. The company is a leader in sustainable waste management with a successful track record in a number of Asian countries including Malaysia and Korea.

Formus (New Zealand): Formus provides innovative technology that combines AI automation and computational biomechanics to deliver personalized orthopedic care. The companyâ??s 3D hip replacement planning software, the result of 20 years of research at the Auckland Biomedical Engineering Institute, is FDA-, PMDA- and TG

A-certified and has been deployed in over 3,000 surgical procedures. Building on its success in Australia and New Zealand, Formus has partnered with Zimmer Biomet to roll out its solution in the Japanese market, aiming for commercial deployment in early 2025, leveraging the high penetration rate of CT imaging and surgical technology levels in the country.

Kisui TECH Co. Ltd. (Japan):Â Kisui has developed an autonomous AI off-road platform called â??Adamâ?• â?? a modular machine that can undertake a variety of tasks such as transporting goods, mowing fields and applying pesticides, collecting data while it operates. The platform is designed to reduce workload and improve efficiency, particularly in primary sectors such as agriculture and construction that are facing labor shortages in Japan. Its suitability and usefulness have been confirmed in fields and farms across Japan, and the company has also received significant interest from Spain, Indonesia and the United States. The multinational Kisui team is leveraging their expertise in space robotics and AI to deploy some of the world's most advanced technology.