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Kudan Inc.

Kudan and MRDVS Collaborate to Enhance Smart Sensor Modules with Kudan Visual SLAM for Robotics, and Fleet Applications

Kudan Inc. (Headquarters: Tokyo; CEO: Daiu Ko; hereinafter “Kudan”) is pleased to announce its collaboration with Zhejiang MRDVS Technology Co., Ltd. (“MRDVS”), a leading industrial 3D vision and mobile robotics company to integrate Kudan Visual SLAM, KdVisual, into MRDVS’s smart sensor modules, aiming to enable robust on-module spatial intelligence for robots and industrial fleets operating across indoor, outdoor, and mixed environments.

As robotics and autonomous systems increasingly move toward the era of Physical AI, machines are required not only to recognize objects, but also to understand their own position, movement, and surrounding 3D environment in real time. Reliable spatial perception and localization are becoming foundational capabilities for robots, autonomous mobile robots, forklifts, and fleet-based systems operating in factories, warehouses, logistics facilities, outdoor yards, and other real-world industrial environments.

Through this collaboration, MRDVS plans to embed KdVisual into its smart sensor modules to enhance real-time, on-module localization performance for robots and industrial fleets. By combining MRDVS’s advanced 3D vision hardware and smart module design with Kudan’s robust Visual SLAM software, the two companies aim to deliver scalable spatial intelligence that can be processed directly within the sensor module.

On-module processing is particularly important for smart sensor modules deployed in industrial robotics and fleet applications. By enabling positioning and perception functions to run locally within the module, the integrated solution is expected to reduce dependency on cloud connectivity and external computing resources, minimize latency, improve operational continuity, and simplify deployment across diverse customer environments. This architecture allows robots and fleet systems to maintain positioning performance even in environments where network connectivity may be limited, unstable, or unsuitable for real-time control.

MRDVS provides industrial 3D camera and vision solutions designed to help robots understand the surrounding environment with higher precision and accuracy. Its product portfolio supports applications such as obstacle detection, autonomous navigation, visual positioning, and high-resolution visual perception for mobile robots and industrial automation. MRDVS’s expertise in 3D vision hardware, smart sensor integration, and

industrial deployment provides a strong foundation for bringing advanced spatial intelligence closer to the sensing layer.

Kudan's KdVisual is a commercial-grade Visual SLAM software technology that enables machines to estimate their own position and orientation using camera data. KdVisual is designed to deliver robust localization in challenging real-world environments, including dynamic spaces where scenery changes over time, such as warehouses, factories, logistics facilities, and outdoor areas. It is also adaptable to various camera configurations and can support deployments where robustness, flexibility, and outdoor capability are critical.

The collaboration creates strong technical and commercial synergy between the two companies. MRDVS contributes its industrial 3D vision hardware, smart sensor module design, robotics application know-how, and customer deployment experience. Kudan contributes its robust Visual SLAM algorithms, adaptability to different camera configurations, and proven capability in complex robotics and industrial automation use cases. Together, the companies aim to provide customers with an integrated positioning solution that can be more easily adopted by robot OEMs, system integrators, and fleet operators.

The integration of KdVisual into MRDVS smart sensor modules is expected to support the development of more intelligent, autonomous, and scalable robotic systems. By embedding spatial intelligence directly into the sensing module, the solution can help accelerate the practical deployment of Physical AI in real-world industrial environments, where machines must continuously perceive, localize, and act based on changing physical conditions.

In addition, Kudan and MRDVS will support each other's global expansion by leveraging their respective sales, partner, and customer networks. MRDVS will be able to strengthen its positioning and navigation offering for international robotics customers, while Kudan will gain a broader hardware and solution channel for deploying its Visual SLAM technology into industrial robot and fleet applications. The two companies intend to work together on technical integration, customer validation, and market development across Asia, Europe, and other global markets.

The impact of this disclosure on the current period's performance has already been reflected in the earnings forecast, and no additional impact is currently expected. Should any developments requiring disclosure arise in the future, the Company will promptly announce them.

About Kudan Inc.
Kudan provides spatial perception technology, described as "eyes for all machines", that drives the advancement of Physical AI and plays a pivotal role in next-generation digital twins and robotics. This spatial technology perceives the real world and creates digital twins that AI can analyse. Kudan thereby contributes to the digital transformation (DX) of operational management and improved productivity. Furthermore, the company offers fundamental technologies that enable robots to digitally perceive their surroundings and achieve autonomous mobility in complex environments.
For more information, please refer to Kudan's website at https://www.kudan.io/.

■Company Details
Name: Kudan Inc.
Securities Code: 4425 (TSE Growth)
Representative: CEO Daiu Ko

About Zhejiang MRDVS Technology Co., Ltd.
MRDVS is an industrial 3D vision and mobile robotics technology company focused on empowering robots to understand and interact with the physical world. The company provides industrial 3D cameras, smart sensor modules, and vision solutions for robotics, AGVs, forklifts, and automation applications. Its technologies support use cases such as obstacle detection, autonomous navigation, visual positioning, pallet recognition, and high-precision environmental perception across manufacturing, logistics, warehousing, and other industrial environments.
With expertise in 3D vision hardware, AI-based perception, and industrial deployment, MRDVS aims to bring spatial intelligence closer to the sensing layer and enable more reliable, scalable, and practical robotic automation. Its solutions are designed to help robots operate safely and efficiently in complex real-world environments, supporting the transition from AI perception to physical-world execution.

■Contact Information
For more details, please contact us here