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Company Name	Kudan Inc.	
Representative	CEO	Daiu Ko
	(Securities code:4425 TSE Growth)	
Inquiries	CFO	Kohei Nakayama
	(Tel. 03-6892-7333)	

Kudan, NexAIoT, and NVIDIA Collaborate to Deploy AI-Powered AMR in Operational Factories in Taiwan

Tokyo, Japan – Kudan Inc. (Headquarters: Shibuya-ku, Tokyo; CEO: Daiu Ko) is pleased to announce the deployment of NexAIoT's next-generation AI-powered autonomous mobile robot (AMR), NexMOV-2, into live factory operations in Taiwan. The new platform is equipped with an integrated package of Kudan Visual SLAM and [NVIDIA Isaac Perceptor](#), a collection of [NVIDIA CUDA](#)-accelerated libraries, AI models, and reference workflows for developing AMRs. This implementation marks a successful joint initiative between NexAIoT and Kudan, with collaborative support from NVIDIA.

(Reference release)

[September 12, 2024: NexAIoT to Launch Next-Gen AI-Powered AMR NexMOV-2 with Kudan Visual SLAM and Showcase at Japan Robot Week 2024](#)

[March 19, 2025: Kudan Visual SLAM Completes Integration with latest NVIDIA Isaac Perceptor, Demonstrating Clear Benefits in Real-World Deployment](#)

Designed to meet the demands of real-world industrial automation, NexMOV-2 delivers a cost-efficient, high-performance navigation solution powered by visual data. It excels in complex and dynamic environments such as factories, warehouses, and hospitals. Following successful operational validation, NexAIoT plans to expand deployments across additional customer facilities.

By combining real-time, AI-assisted 3D spatial awareness with robust hardware and software integration, NexMOV-2 offers:

- **Reduced implementation time and cost:** The pre-integrated Kudan Visual SLAM and NVIDIA Isaac Perceptor significantly accelerate setup while minimizing the need for extensive sensor calibration or environmental tuning.
- **Reliable navigation in complex environments:** NexMOV-2 ensures robust localization even in dynamically changing, low-feature, or GNSS-denied areas.
- **Versatility for diverse scenarios:** From structured indoor factory floors to semi-structured logistics environments, the system adapts easily with minimal reconfiguration.

“Having NexMOV-2 commercially deployed in the operational facility is a strong proof point for our long-term vision of industrial automation powered by Spatial Perception and Industrial AI,” said Daiu Ko, CEO of Kudan. “By combining our Visual SLAM with NVIDIA Isaac Perceptor, we’ve significantly lowered the barrier to AMR deployment, both technically and commercially. We’re excited to support NexAIoT as they scale their deployments.”

“The deployment of NexMOV-2 marks a significant milestone in delivering intelligent and scalable AMR solutions to real-world industrial environments,” said Dr. Hoe Seng Ooi, Chief Technology Officer at NexAIoT. “By integrating Kudan’s Visual SLAM with NVIDIA Isaac Perceptor into our cutting-edge platform, we’ve achieved highly adaptive and efficient navigation with reduced deployment time and cost. This collaboration not only pushes the boundaries of AI-driven robotics but also lays a strong foundation for continued innovation and smarter solutions for our customers.”

This successful deployment underscores the value of the ongoing collaboration between Kudan, NexAIoT, and NVIDIA in advancing industrial robotics through cutting-edge AI and spatial computing technologies. As featured in NVIDIA’s [announcement](#) on digital twins, robotics and industrial AI for Taiwan manufacturers, the three companies will continue working closely to enhance system performance, accelerate deployment scalability, and drive innovation at the intersection of Spatial Perception, Industrial AI, and real-world robotics.

Video of NexMOV-2 Deployed in Factories:



<https://youtu.be/e7xsLuin6yY>

Public Demo in NEXCOM Huaya Smart Factory:

To further highlight the real-world performance of the AI-powered NexMOV-2, NexAIoT and Kudan will host public demonstrations at the NEXCOM Huaya Smart Factory during COMPUTEX 2025 at Taipei. Attendees will have the opportunity to experience firsthand how advanced Spatial Perception, AI, and Industrial IoT technologies are shaping the future of smart manufacturing.

Demo Schedule:

- **Date:** May 20 – 23, 2025
- **Time:** 10:00 AM – 4:00 PM
- **Location:** NEXCOM Huaya Smart Factory
- **Address:** No. 50, Huaya 3rd Rd., Guishan Dist., Taoyuan City, Taiwan
- **Map:** [Google Maps](#)

The NEXCOM Huaya Smart Factory stands as a leading example of Industry 4.0 deployment, featuring:

- An 8,000 m² facility equipped with SMT, DIP, and system assembly lines
- Seamless OT/IT integration via the iAT2000 cloud-based SCADA system for real-time monitoring and predictive maintenance
- An advanced Enterprise War Room with multi-screen displays for centralized operational control

This is a unique opportunity to explore how cutting-edge robotics and smart factory infrastructure come together to enable next-generation industrial automation.

Advance registration is required to attend the demo. Please use the form below to reserve your visit.

[Registration form for public demonstration:](#)

About NexAIoT Co., Ltd.

NexAIoT is an Industry 4.0 company. NexAIoT has established its position worldwide as market leader in providing I4.0 solution including Industrial PC, Factory Automation, Robotics and AIoT solution. Its mission is to become the global leader in industrial IoT and the preferred partner to accelerate the digital transformation in industry 4.0. NexAIoT's operation is supported by solution engineering, product engineering (R&D, project management, technical support), sales and business development (local, overseas and ODM) and backend operation (finance, HR, IT, procurement) divisions, with regional business operation in China, Asia, Europe and the USA.

About Kudan Inc.

Kudan is a leading provider of Spatial Perception technologies, enabling next-generation solutions in mobile mapping, digital twins, robotics, and autonomous driving. With its advanced visual navigation and spatial perception technologies, Kudan is at the forefront of digital transformation, empowering businesses to bridge the physical and digital worlds seamlessly, and ensuring scalable deployments of autonomous machines in dynamic environments with great accuracy and reliability.

For more information, please refer to Kudan's website at <https://www.kudan.io/>.

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■Contact Information

For more details, please contact us from [here](#).