

September 12, 2024

|                |            |                                              |
|----------------|------------|----------------------------------------------|
| Company Name   | Kudan Inc. |                                              |
| Representative | CEO        | Daiu Ko<br>(Securities code:4425 TSE Growth) |
| Inquiries      | CFO        | Kohei Nakayama<br>(Tel. 03-4405-1325)        |

## **NexAIoT to Launch Next-Gen AI-Powered AMR NexMOV-2 with Kudan Visual SLAM and Showcase at Japan Robot Week 2024**

Kudan Inc. (Headquarters: Shibuya-ku, Tokyo; CEO: Daiu Ko) is excited to announce the commercial launch of the NexMOV-2, a next-generation AI-powered autonomous mobile robot developed by NexAIoT Co., Ltd. (Headquarters: New Taipei City, Taiwan; Chairman: Clement Lin). NexAIoT, a leader in industrial automation solutions, has equipped the NexMOV-2 with Kudan's cutting-edge Visual SLAM technology, providing groundbreaking navigation capabilities for industries seeking high-performance, autonomous solutions.

NexAIoT's development of the NexMOV-2 focused on creating an advanced autonomous mobile robot (AMR) that leverages its in-house AI and hardware expertise. By integrating Kudan Visual SLAM, the NexMOV-2 is designed for versatile deployment across a variety of environments while significantly reducing the production costs of AMRs. This strategic partnership between NexAIoT and Kudan has been instrumental in achieving these goals.

Unlike traditional indoor AMRs that rely on 2D-LiDAR for localization, the NexMOV-2 exclusively utilizes Kudan's camera-based Visual SLAM for all localization tasks. This innovation enables precise, real-time mapping and navigation, improving performance in dynamic environments while reducing hardware complexity and costs by up to 30%.

The NexMOV-2's AI-powered 3D vision navigation system further enhances its ability to perceive and understand its surroundings in greater detail. Designed for industries such as logistics, manufacturing, and healthcare, the NexMOV-2 offers unmatched flexibility and reliability in autonomous navigation.

Key features of the NexMOV-2 include a modular AMR controller that supports Intel SMARC or Nvidia SO-DIMM modules, allowing for customization and scalability based on specific operational needs. The robot is also integrated with ROS2, enabling efficient fleet management, real-time monitoring, and multi-robot scalability. It also features a smart, autonomous docking system that ensures continuous operation through wireless charging, significantly reducing downtime.

Kudan and NexAIoT will be partnering to showcase their collaboration at Japan Robot Week 2024, providing attendees with a first-hand experience of the NexMOV-2. This joint exhibition will underscore the continuous innovation between the two companies in autonomous mobile robotics.

## ◆◆ Event Overview ◆◆

Event Name: Japan Robot Week 2024 (<https://biz.nikkan.co.jp/eve/s-robot/>)

Date: September 18th (Wed) - September 20th (Friday), 2024, 10:00 AM - 5:00 PM

Location: Tokyo Big Sight

Booth: East Hall 6, J-61

### 2. Overview of NexAIoT Co., Ltd.

|                                         |                                                                                                                                            |                                                                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| (1) Name                                | NexAIoT Co., Ltd.                                                                                                                          |                                                                                 |
| (2) Address                             | No.922, Zhongzheng Rd., Zhonghe Dist., New Taipei City, Taiwan 23586, R.O.C.                                                               |                                                                                 |
| (3) Name and position of representative | Chairman Clement Lin                                                                                                                       |                                                                                 |
| (4) Content of business operation       | Development and manufacturing of industrial automation solutions, including AI-powered Industrial IoT, and autonomous mobile robots (AMRs) |                                                                                 |
| (5) Date of establishment               | 19th March 2014                                                                                                                            |                                                                                 |
| (6) Relationship with Kudan             | Capital ties                                                                                                                               | None                                                                            |
|                                         | Personnel ties                                                                                                                             | None                                                                            |
|                                         | Transactional relationships                                                                                                                | Development license agreement has been concluded for licensing Kudan's software |
|                                         | Related party connections                                                                                                                  | None                                                                            |

\*Financial performance and fiscal status of the company over the past three years, Capital and Major Shareholders are not disclosed due to the request of the company.

### 3. Date of the product release

February 2025 (Planned)

### 4. Future Outlook

The impact of this matter has already been incorporated into the forecast for the fiscal year ending March 31, 2025. As the company's financial performance will be affected by the future product sales, we will promptly make an announcement if any event arises that is expected to have a significant impact on the company's financial performance such as increased customer orders.

#### - Comment on the product release

"NexAIoT is redefining next-gen AMR with the launch of NexMOV-2, an AI-powered AMR featuring advanced VSLAM, AI navigation and smart wireless charging. In partnership with Kudan, NexAIoT has integrated state-of-the-art VSLAM technology, enhancing NexMOV-2's precision in navigating complex, dynamic environments. As AMRs are increasingly deployed across industries, NexMOV-2 sets a new standard for adaptability and performance, driving smarter and more efficient automation. With NexMOV-2, NexAIoT is empowering business to embrace next-gen AMR solutions, unlocking greater flexibility, productivity and operational efficiency"

— HoeSeng Ooi, Chief Technology Officer at NexAIoT

"Our collaboration with NexAIoT on the NexMOV-2 demonstrates the potential of integrating Kudan's Visual SLAM technology to address complex localization challenges across diverse operational environments. By relying solely on Visual SLAM for positioning and AI-powered 3D vision for navigation, the NexMOV-2 proves how advanced visual perception can enhance the performance of autonomous mobile robots while streamlining hardware and reducing costs. We are excited to see the NexMOV-2 empower industries globally, driving more flexible and productive workflows through 3D vision and AI technologies."

— Tian Hao, Chief Operating Officer at Kudan



#### **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 deep tech research and development company specializing in algorithms for artificial perception (AP). As a complement to artificial intelligence (AI), AP functions allow machines to develop autonomy. Currently, Kudan is licensing its technology for next-generation solution areas such as digital twin, robotics and autonomous driving.

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

#### **■Contact Information**

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