

July 24, 2024

Company Name	Kudan Inc.	
Representative	CEO	Daiu Ko
	(Securities code:4425 TSE Growth)	
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Squad Robotics will release its autonomous floor-cleaning robots with Kudan's 3D-Lidar SLAM technology integrated

Kudan Inc. is pleased to announce that SIA SQR (hereafter "Squad Robotics"), known for its innovative approach to industrial cleaning robot solutions with its headquarters in Riga, Latvia, will commercially release its autonomous floor-cleaning robots, integrating Kudan's advanced 3D Lidar SLAM algorithm, "KdLidar," as the core engine for high-precision positioning.

With a vision to revolutionize the massive cleaning industry by transitioning from human-operated to AI-operated autonomous machines, Squad Robotics offers its autonomous floor-cleaning robots and related services tailored to both cleaning machine manufacturers and cleaning service companies. The company has partnered with major European manufacturers such as Stolzenberg and others, making their robots available across Europe.

1. Details of the product

To meet the growing market demands, Squad Robotics sought to enhance the operating environments for its autonomous floor-cleaning robots. This need led to a critical product development collaboration between Squad Robotics and Kudan, focused on integrating a more robust SLAM processing engine.

By incorporating Kudan's advanced 3D-Lidar SLAM technology with a sophisticated multi-sensor fusion algorithm, Squad Robotics' floor-cleaning robots achieve enhanced situational awareness and the capability to navigate in complex spaces with high precision and stability. This collaboration ensures that autonomous systems can operate effectively in dynamic and cluttered environments, significantly boosting the operational efficiency and productivity of cleaning robots.

Kudan's 3D-Lidar SLAM is now integrated into Squad Robotics' key products, including the SQR SW1, an autonomous sweeping robot, and the SQR SD1, an autonomous scrubber-drier. These advancements underscore the commitment of both companies to deliver cutting-edge solutions that address the rigorous demands of the industrial cleaning sector.

2. Overview of Squad Robotics

(1) Name	SIA SQR
(2) Address	Zaru street 8a, Riga, Latvia
(3) Name and position of representative	CEO, Matīss Brunavs
(4) Content of business operation	Develop and provide autonomous floor-cleaning robots across various environments.
(5) Date of establishment	November 28, 2018

(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

Early 2025 (expected)

4. Future Outlook

We estimate that this product release will only have a minor impact on the company's financial performance for the fiscal year ending 31 March 2025 at this time. We will promptly make an announcement if any event requiring disclosure arises

5. Comment from both companies

"We are pleased to collaborate with Squad Robotics to integrate our 3D-Lidar SLAM technology into their autonomous floor-cleaning robots. This partnership underscores our commitment to enhancing the precision and reliability of autonomous systems in industrial applications. By combining our localization technology with Squad Robotics' innovative cleaning solutions, we aim to contribute to greater efficiency and productivity in the cleaning industry."

— Daiu Ko, Chief Executive Officer at Kudan

"This product partnership with Kudan allows us to enhance the precision and performance of our robots, ensuring they operate seamlessly in diverse and complex environments. We are excited about the potential this collaboration brings to revolutionize the cleaning industry, making autonomous operations more accessible and efficient for our clients."

— Matīss Brunavs, Chief Executive Officer at Squad Robotics



Autonomous floor-cleaning robots by Squad Robotics

About Squad Robotics

Squad Robotics specializes in developing autonomous floor-cleaning robots designed to enhance the efficiency and productivity of industrial cleaning processes. With a mission to revolutionize the cleaning industry, Squad Robotics integrates cutting-edge technologies to deliver innovative and reliable cleaning solutions. For more information, visit www.squad-robotics.com.

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/>.

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■Contact Information

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