

Supplementary Document to the financial report for the first quarter of the fiscal year ending March 2026

Kudan Inc. (TSE Growth : 4425)
August 14, 2025

Financial Results

Revenue of ¥170 million, up 400% YoY, progressing steadily toward the full-year target

- ❑ Significant contribution from the growth strategies of "Expanding software (SW) technologies" and "Leveraging hardware (HW) packages"
- ❑ Strong growth centered on digital twin, a key driver of short-term expansion
- ❑ The plan—including the reduction of the full-year loss by 33% YoY¹—remains on track

Business Progress

Expansion into broader technology domains and order acquisition are advancing, with Artificial Perception (AP) at the core

- ❑ Progress in expanding software (SW) technologies into Spatial Perception (SP) through the integration with Artificial Intelligence (AI)²
- ❑ For digital twin applications, Kudan launched the next-generation digital twin solution (Kudan PRISM³), steadily capturing demand
- ❑ For robotics applications, Kudan has been selected as the research and development leader⁵ in a software development project⁴ promoted by the Ministry of Economy, Trade and Industry, with participation from major general contractors — providing a significant boost to its business

1. This is based on profit structure at the end of the fiscal year, calculated by deducting the cost level at fiscal year-end from the full-year revenue and subsidy income. Refer to p.16 of the previous full-year financial results presentation ([reference link](#))
2. A policy to strengthen the solution-oriented approach, improve profitability during the development phase, and support customer products with high adoption speed. Refer to p.12-13 of the previous full-year financial results presentation ([reference link](#))
3. A solution that revolutionizes the DX of facility management, inspection, and maintenance across industries such as civil engineering and construction, real estate, infrastructure, logistics, and manufacturing, through next-generation spatial perception that integrates photorealistic visualization with semantic 3D recognition. For details, refer to p.8.
4. The commissioned project by NEDO (New Energy and Industrial Technology Development Organization), under the jurisdiction of the Ministry of Economy, Trade and Industry: "Research and Development Project of the Enhanced Infrastructures for Post-5G Information and Communication Systems: Building a Software Development Platform for Robotics" ([reference link](#))
5. Leading the development of software modules to realize autonomous mobile robot, including planning and progress management, designing and developing core technologies, and integrating the development outcomes of participating companies

Financial Results

- Revenue was driven by digital twin-related revenue, including hardware (HW), achieving a significant increase YoY
- The cost increase in the previous fiscal year has subsided, and Kudan expects to reduce fixed costs through organizational optimization by the fiscal year-end
- The impact of U.S. tariff policies on Kudan's performance is expected to remain minimal

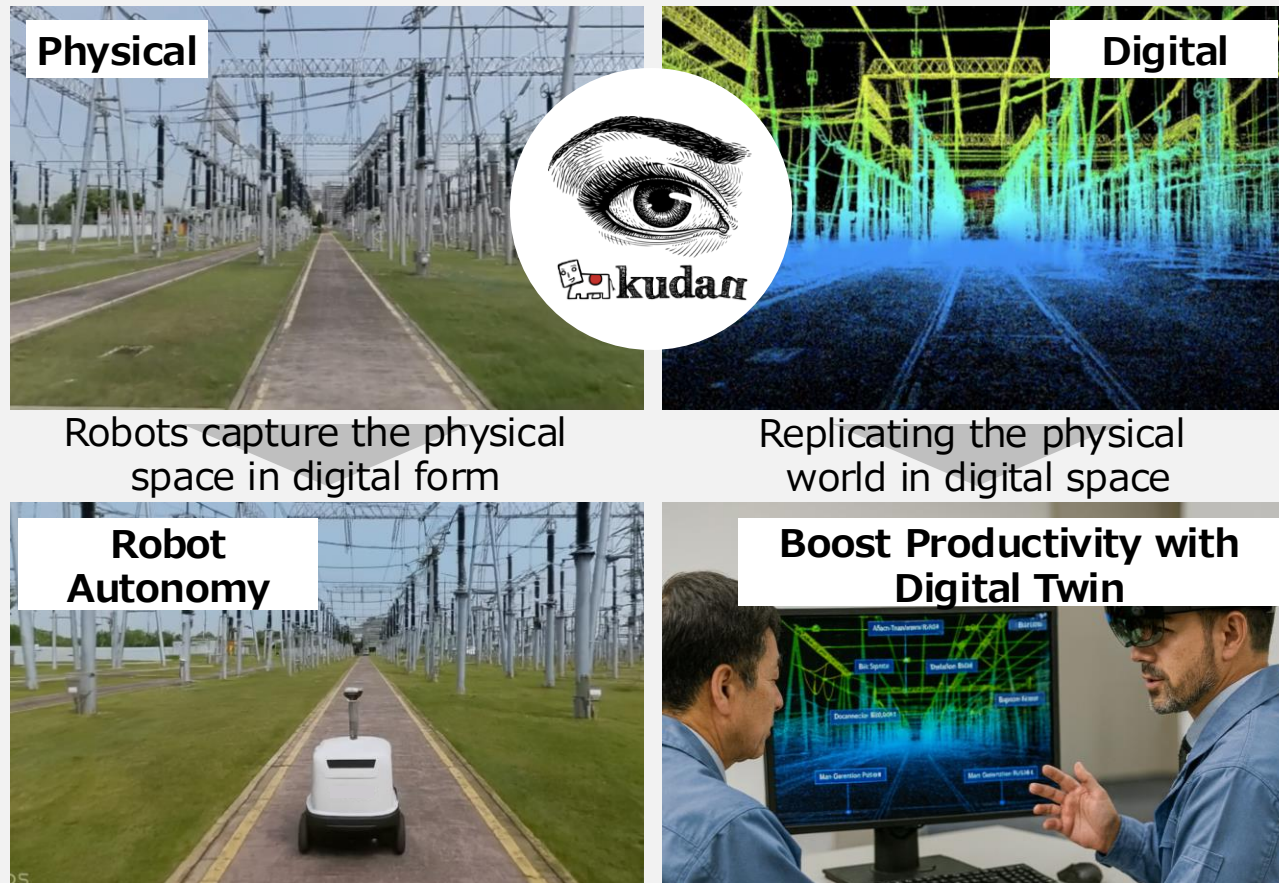
[million ¥]	FY2025		FY2026		Notes
	1Q Results	FY Results	1Q Results	FY Forecast	
Revenue	34	517	168	700	<ul style="list-style-type: none"> Significant YoY increase (+400%) Revenue contribution from government projects is expected from 2Q onward
Operating profit	△237	△800	△245	△780	<ul style="list-style-type: none"> The cost increase from organizational enhancements in the previous fiscal year has subsided Organizational optimization is underway to reduce fixed costs by the fiscal year-end
Ordinary profit	△29	△743	△229	-	<ul style="list-style-type: none"> In the same quarter of the previous fiscal year, a substantial foreign exchange gain was recorded due to significant yen depreciation and group-internal receivables/payables, whereas the impact was limited in the current quarter
Profit	△50	△801	△230	-	
Adjusted operating profit ¹	△50	△753	△230	△720	<ul style="list-style-type: none"> ¥60 million in development subsidies from an overseas government is expected from 2Q onward

1. A profitability figure for the business profitability, calculated by adding government research and development subsidies — recognized on a recurring basis each fiscal year — to operating profit (loss)

Background and Overview of Growth Strategy

- To accelerate the social implementation of its vision of the “eye of a machine,” Kudan aims to expand its technology and business domains¹, with its core proprietary Artificial Perception technology developed over the years

Kudan — the “eye of a machine” connecting the physical and digital spaces



Progress up to the previous fiscal year

- Achieved customer commercialization, with the number of cases steadily increasing, building a track record toward mid- to long-term growth²
- However, as product adoption after commercialization takes time, more short-term challenges have also emerged²

Current Growth Strategy

- Expanding technology domains to enhance the profitability of development projects and promote product adoption
- Strengthening complementary technologies in both software and hardware, with proprietary Artificial Perception at the core

Policy 1

Expanding Software (SW) Technologies

Policy 2

Leveraging Hardware (HW) Packages

- Over the mid- to long-term, Kudan aims to continue achieving high growth driven by licensing revenue

1. For details, refer to p.12–14 of the previous full-year financial results presentation ([reference link](#))
2. For details, refer to p.7 of the previous full-year financial results presentation ([reference link](#))

Business Domains Accelerating from This Fiscal Year



- By accelerating the policies of “expanding software (SW) technologies” and “leveraging hardware (HW) packages,” Kudan expects to establish new revenue streams in both robotics and digital twin from this fiscal year

		<div>X Robotics X Digital Twin X Robotics and Digital Twin</div>		
		Existing	Launching This Fiscal Year	In Development
<div>Base</div> <div>Existing Artificial Perception (SW)</div> <div>Policy 1 Expand SW technologies¹</div> <div><ul style="list-style-type: none">Integrating intuitive proprietary Artificial Perception at its core with learning-enhanced AIExpanding into a suite of software technologies for 3D spatial recognition (“Spatial Perception”)Solution-oriented approach to boost project profitability and drive product adoption</div> <div>Policy 2 Leverage HW packages¹</div> <div><ul style="list-style-type: none">Promoting the integration and packaged sales of external hardware with technological and business synergies with Kudan’s proprietary softwareDiversifying the business to maximize revenue and profit</div>	Localization & Mapping ²	Existing projects (e.g., SLAM) <div>A</div>		
	Robot Autonomous Navigation ³			
	Photorealistic Visualization ⁴		<div>B</div>	
	Semantic 3D Recognition ⁵		Digital Twin solutions / 3D scanners (e.g., Kudan PRISM, XGRIDS)	
	Various Hardware			<div>C</div> Autonomous robot mobility packages (incl. government projects) <div>D</div> Vehicle-mounted MMS and robot solutions for inspection, etc.

1. For details, refer to p.12–14 of the previous full-year financial results presentation ([reference link](#))

2. Localization and mapping related to SLAM

3. Autonomous navigation including route planning and obstacle avoidance









4. Photorealistic 3D data visualization from free viewpoints using techniques such as Novel View Synthesis

5. Object recognition, segmentation, and semantic extraction of 3D data and maps

5

A Existing Artificial Perception Project Overview

- Existing Artificial Perception projects are also ongoing and making progress

Customers	Use Case	Technology Provided	Progress
 Kawasaki Heavy Industries	Quadruped work robot	Localization in challenging indoor/outdoor and unstructured environments	Under discussion for conducting demonstration experiments in challenging environments
 Major robotics manufacturers (multiple)	Various Types of Robots	Localization under dynamic conditions and across indoor/outdoor environments	Ongoing commercial deployment into end-customer environments
 Major railway company	Security drone	Localization for autonomous flight in GPS-degraded environments	Ongoing demonstration experiments in BVLOS (Beyond Visual Line of Sight) under commercial-grade environments and conditions
 Major plant engineering company	Automation of heavy equipment operations	Localization in recognition-challenging outdoor and unstructured environments	In discussion with the end user regarding additional demonstrations
 Major automotive OEM	Autonomous driving / Robotaxi	Localization in GPS-degraded environments	Enhancing functionality to improve adaptability under diverse conditions toward commercialization
 NVIDIA	Semiconductors for Robots	Localization for AI robots, enabling advanced versatility and spatial understanding	Continuing efforts to enhance functionality alongside joint commercial customer support and business development activities
 FOX sports	Robotic Cameras for Broadcasting	Position recognition for manned robotic cameras used in sports broadcasting	Sequentially deploying at NFL games while continuing to enhance functionality for activities at other sporting events
 Taiwan Smart Shipbuilding	Smart Shipbuilding	Spatial perception and sensing system for smart inspection and maintenance in shipyards	Continuing development toward enhanced functionality, including real-time monitoring and preventive maintenance for anomalies

B Digital Twin Projects (1/2)

- With a portfolio of highly innovative technologies and products combining software solutions and hardware packages, Kudan has cultivated new market demand, making a significant contribution to 1Q performance growth

New Release (details on next page)

Digital Twin Solution (Kudan PRISM¹)



- The world's first² next-gen solution integrating photorealistic visualization and semantic 3D recognition to innovate digital twin utilization
- Validated in Europe³ and Japan for facility management, inspection, and maintenance; driving full-scale rollout and commercial user base expansion this fiscal year
- Rapid market growth expected in civil engineering and construction, real estate, infrastructure, logistics, and manufacturing (¥100 trillion⁴+ by 2040)

3D Scanner (XGRIDS)



- Scanner device complementary to Kudan PRISM (generating high-precision data)
- High performance, low cost, and strong competitiveness — leading globally in practical photorealistic visualization
- Rapid growth since expanding strategic partnership⁵ with XGRIDS from the previous fiscal year

- Strong tech & sales synergies — driving 1Q revenue growth
- Highly novel, cultivating new market demand
- High growth potential in global expansion

1. PRISM : Photo-Realistic Integrated Spatial Management
2. Practical application of a facility management solution integrating photorealistic visualization and semantic 3D recognition (Kudan research, June 2025)
3. An example of initiatives in the expanding asset management (facility management) sector in Europe ([reference link](#))

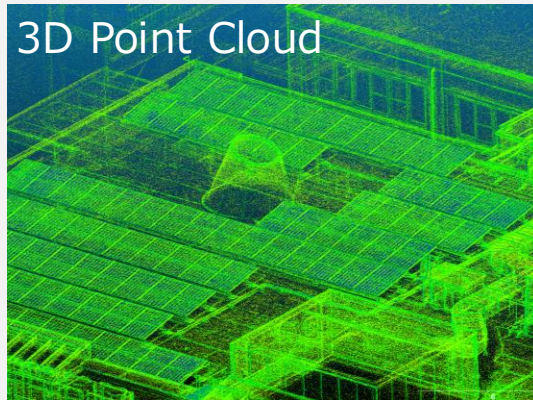
4. Based on growth rates (CAGR of 20-40%) reported by various research organizations, including Verdantix, IMARC, and MRFR, the overall digital twin market is estimated to reach 100 trillion yen (approximately USD 700 billion) by 2040.
5. Business partnership with XGRIDS ([reference link](#))

B Digital Twin Projects (2/2) – Details of Kudan PRISM

- While social demand is extremely high, existing methods have limited practical application. Kudan PRISM introduces an innovative technical approach, aiming for the practical application and market diffusion of the solution

End-solution building with Kudan PRISM's innovative approach

Existing Method



- **Use of 3D point cloud-centric data**
- Challenges: low AI recognition accuracy, large data volumes, complex data handling, and difficulty integrating with existing systems, etc
- Limited practical application

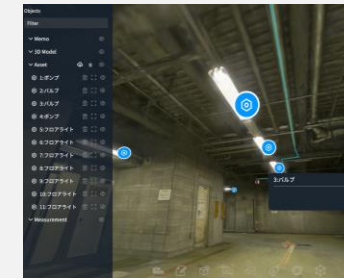
Kudan PRISM's Innovative Approach



- **In addition to 3D point clouds, leveraging photorealistic visualization**
- **Semantic 3D recognition enables a dramatic expansion of AI utilization**
- Data usage and integration become more efficient
- Practical application is expected to expand

Applied to DX across diverse industries (selected)

Facility Management



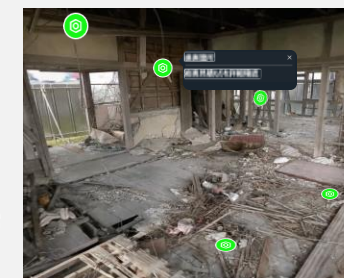
- Promoting DX in areas previously difficult, enabling automation, operational efficiency, and remote work

Infrastructure Maintenance



- Growing demand to address labor shortages and aging infrastructure in developed countries

Smart City and Disaster Response

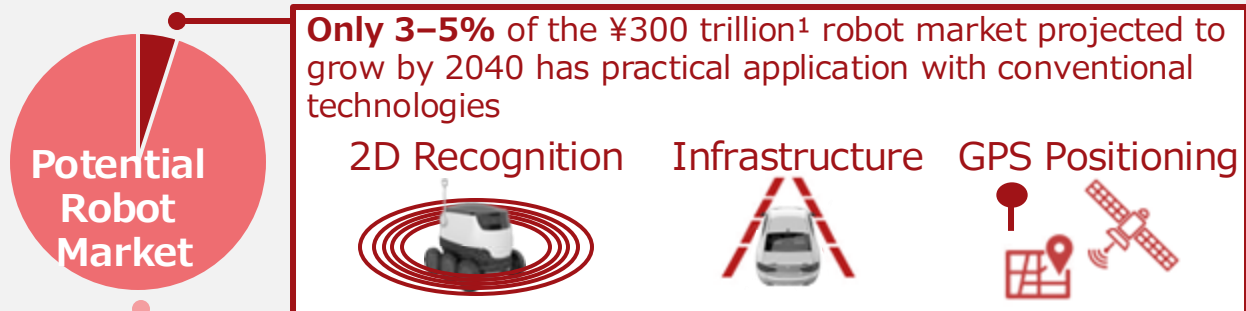


- Enhancing disaster simulation and prevention design to protect lives and support recovery

C Autonomous Robot Mobility Packages (1/2)

- Expanding technology domains to pursue larger-scale projects and accelerate social implementation, while advancing multiple projects globally

Technical challenges in a potentially huge market



Environment changes



Many moving objects/people



Mixed indoor/outdoor



Low-feature environments



Complex 3D structures/terrain



Open indoor spaces



Expanding technology domains based on past achievements

- With core AP tech (localization & mapping), Kudan achieved commercialization in previously difficult cases



- Packaging complementary technology (SW) for autonomous mobility to broaden the customer base and boost development efficiency

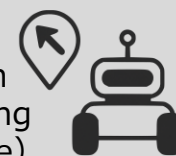
Localization & Mapping

(Core elements of navigation)



Robot Autonomous Navigation

(Full-stack navigation including route planning and collision avoidance)



- Advancing multiple projects with robotics companies in the U.S. and Asia

1. Based on research by BCC Research, Market Research Future, and others, supported by multiple high-growth segments (CAGR of 12–16% or higher), the overall market is projected to potentially reach a scale of 300 trillion yen (approximately USD 2 trillion) by 2040.



Autonomous Robot Mobility Packages (2/2) - Participation in Government Project



- For robotics, Kudan has been selected as development leader¹ for a METI-promoted software project with major construction companies, leading core technology development of autonomous robot mobility in Japan

Japan's National Policies

- Labor shortages are a growing social issue, making robot deployment essential as government and industry strengthen initiatives
- In markets where deployment was difficult, innovation to enhance robot autonomy is essential

Excerpt from METI Materials

(Japanese only)
AIロボットによる社会課題への対応

- 日本における構造的・慢性的な人手不足は、地域の生活必需サービス等で顕著に。深刻な供給制約社会の到来が見込まれることから、**ロボット導入が不可避**。
- サービス分野等のロボット導入が困難だった市場（少量多品種市場）においては、
①多様な動作の実現、②人と接する複雑な環境への対応が不可欠。
- そのためには、ロボットの開発の柔軟性と判断・動作の自律性を革新させる取組が必要。

現状課題	開発制約	技術制約
ロボットのハード・ソフトが一体化しており、開発の柔軟性が低い	周囲の環境等に合わせた自律的に判断・動作を行うことが困難	

開発方法	必要取組
ロボットのハード・ソフトの切り分け・分割化による汎用性・拡張性の革新	高度なAIの融合による自律性・拡張性・操作性の革新

必要取組: ロボットのオープンな開発環境の構築及び生成AIの基盤モデルの開発

Project Overview

- Taking the the construction sector—where challenges are significant—as a model, the initiative is being advanced across the industry via the Construction RX Consortium² including major general contractors
- Aiming to establish general purpose autonomous robot mobility technologies, with future expansion expected into a broader range of industries³

Organizer

NEDO (New Energy and Industrial Technology Development Organization)

Project Name

Research and Development Project of the Enhanced Infrastructures for Post-5G Information and Communication Systems: Building a Software Development Platform for Robotics R&D on a Software Development Platform in the Robotics Field for the Construction Market

Adopted Theme

Period

From FY2025 to FY2027 (planned)

Total Budget

¥10.3 billion (total over 3 years)

Kudan's Role and Future Expectations

- Recognized for its technology and track record, Kudan has been selected as the core software leader¹
- Expects this to accelerate the social implementation and adoption of Kudan's technologies
- Also aim for continued close collaboration on related government policies for robotics



Image of Autonomous Robot in Use at Construction Site

1. Leading the development of software modules to realize autonomous robot mobility, including project planning and management, design and development of core technologies, and integration of development outcomes from participating companies
2. Private organization promoting “Robotics Transformation” via construction robots and IoT to tackle workforce decline and improve productivity and safety in construction
3. Also expected to expand into a wide range of industries, including logistics, manufacturing, infrastructure management, and agriculture

Handling of This Document

This document contains Kudan's plans, estimates and expectations for the future based on its current business situation and industry trends.

All such projections for the future inherently involve uncertainty and a wide variety of risks.

It is conceivable that risks both understood and unforeseen, uncertainties and other factors may cause actual results to differ from the projections contained within this document.

Kudan offers no guarantee of the accuracy of its projections for the future and accepts that they may differ significantly from actual results.

All projections for the future included in this document are based upon information available at the present time and may not be updated or changed to reflect future developments or changes in status.

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