

Supplementary Documentation to the financial report for the second quarter of the fiscal year ending March 2024

November 14, 2023

Eyes to the all machines

2Q Highlights



- Revenue fixed for the current fiscal year totaled 410 million yen, including 2Q results (70 million yen) and 3Q~4Q fixed (340 million yen). This exceeds the full-year results of the previous fiscal year and shows favorable performance toward achieving the fiscal year's budget
 - In addition, product-related revenue, the measure of Kudan's business progress, are expected to increase to 280-330 million yen (The initial forecast is 150 million yen)
 - This includes 240 million yen in product licenses to Whale and additional product-related revenue in the solutions business for Europe, etc.
- Current business expansion centered on mapping is backed by governments and markets in various countries pushing for digital twin and spatial DX promotion on a global scale, and rapid expansion of social demand is expected
 - Digital Twin through Industry 4.0 has been increasingly promoted in Europe and the comprehensive national development plan for digital lifelines in Japan will be in full swing from 2024 onward
 - In response to this demand, Kudan's solution business are expanding, particularly in Japan and Europe
- Business development is also progressing in the area of autonomous driving, which
 is directly linked to the current focus areas (mapping and robotics)
 - Kudan concluded a capital and business alliance with Whale Dynamic, with which we have been providing technology in mapping (map generation for autonomous driving, etc.), with a view to further expanding the collaboration to autonomous driving for passenger cars
 - Expand autonomous driving-related technology collaboration to other regions such as China and the Middle East, in addition to ERASMO in Europe and automotive OEM projects in Japan and Europe

Performance overview



(Unit · million ven)

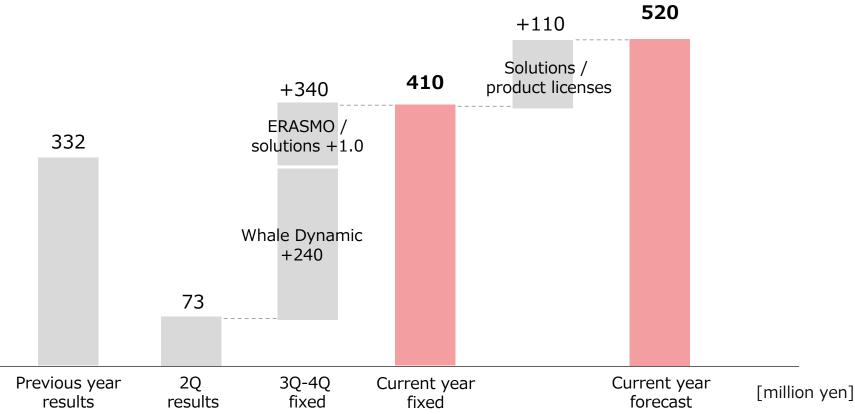
- Although there is an upturn in product-related revenue and non-operating income due to foreign exchange gains (280 million yen), the initial forecast remains unchanged at this time because the majority of revenue will be recorded near the end of the fiscal year, and it is difficult to forecast the landing of revenue until then
- Cost progress is generally in line with the initial forecast, despite continued foreign currency appreciation

					(Unit : million yen)
	Performance for 2Q of FY2023	Performance for 2Q of FY2024	Forecast for FY2024	Change (from the performance for 2Q of FY2023)	Performance For FY2023 (Reference)
Net Sales	155	73	520	△52.6%	332
Operating Profit	△312	△395	△560	_	△598
Ordinary Profit	△81	△111	△520	_	△394
Profit Attributable to Owners of Parent	△84	△117	△550		△413

Revenue



- Revenue fixed for the current fiscal year totaled 410 million yen, including 2Q results (70 million yen) and 3Q~4Q fixed (340 million yen). This exceeds the full-year results of the previous fiscal year and shows favorable performance toward achieving the fiscal year's budget
- Development and solution projects utilizing productization packages (for mapping and for robots officially released in 3Q), product license revenue, etc., are accumulating and moving forward to achieve the budget



Capital and business alliance with Whale Dynamic: Company profile





- Leverages proprietary LV4-5 technologies for a wide range of product offerings including autonomous mobile robots and autonomous driving
- Not only targets the rapidly evolving Chinese market, but also expands its business extensively into the global market

Founder & CEO (David Chang)

■ Led the development in "Apollo", the country's largest autonomous driving project by Chinese IT giant, Baidu, as a senior product manager. M.S., University of Cambridge, U.K.

Clients/ Partners









Global expansion

■ The only company in the world to be a member of both "Apollo" and "Autoware", the globally recognized open-source ecosystem for autonomous driving

Capital and business alliance with Whale Dynamic: Technological collaboration to date



 Product commercialization by WD utilizing Kudan technology was realized in July 2022, and product introduction is in progress

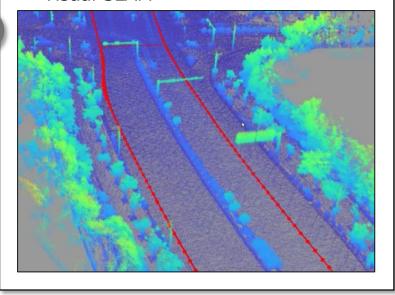
whale dynamic

 Provides mapping for public roads (vehicle-mounted) and robot (autonomous mobile vehicle) *





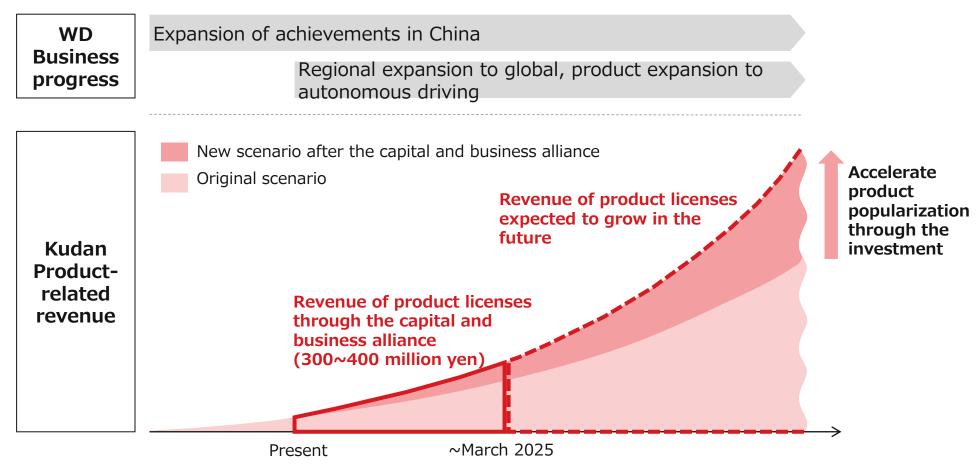
- Provide SLAM technology for localization and high-precision mapping
- Achieve higher performance with proprietary technology related to the integration of Lidar SLAM and Visual SLAM



Capital and business alliance with Whale Dynamic: Overview of this alliance



- Kudan agreed to enter into a product license agreement totaling 300-400 million yen (240 million yen is fixed*1) in the current and next fiscal years in line with the expansion of WD's sales
- In addition, Kudan will invest 500 million yen in growth capital (400 million yen is fixed*2) for regional expansion to global and product expansion to autonomous driving, to accelerate the popularization of WD's products and to increase and continue to expand product license sales



Capital and business alliance with Whale Dynamic: Collaboration policy to promote products and technologies of both companies



- Kudan collaborates in sales, development and support in terms of business expansion along two axes:
 regions and products
- Product expansion to autonomous driving is an opportunity for Kudan to further expand its customer commercialization area and scale the business significantly

Collaboration with Kudan on Whale Dynamic's business development

Expansion of achievements in China

- As a core member company of "Baidu Apollo", China's largest autonomous driving project, WD has been working on numerous demonstration projects in the public and private sectors
- WD is accumulating cutting-edge achievements in the Chinese market, which is one of the world's fastest growing markets for autonomous driving

Regional expansion to global

- As global market demand is also being stimulated, project acquisition is in progress, mainly in Europe and the Middle East
- Collaborate with Kudan to provide joint global marketing, project development and support

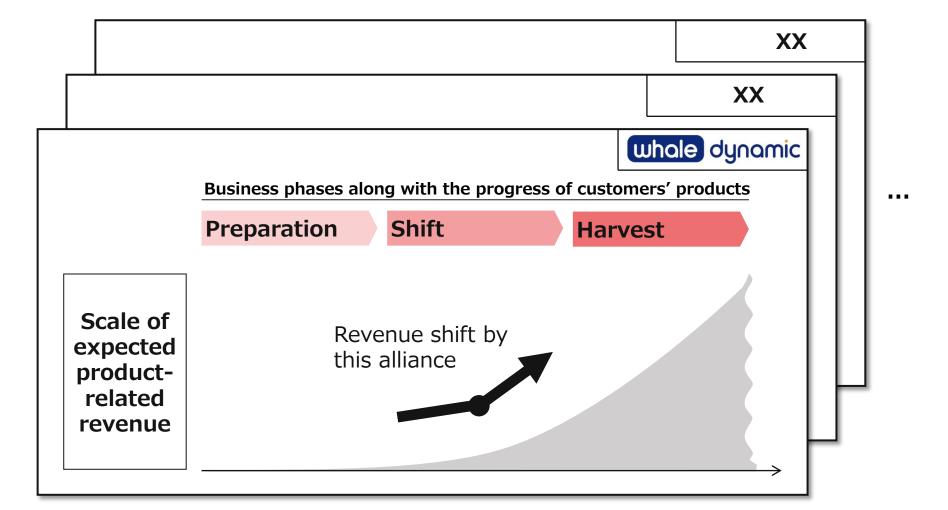
Product expansion to autonomous driving

 Plan to expand product offerings from mapping (vehicle-mounted) and robot (autonomous mobile vehicle) to autonomous driving for passenger cars, and jointly develop applications for Kudan technology

Future growth of product-related revenue



Beginning with Whale Dynamic, Kudan aims to further expand product-related revenue,
 by promoting the progress of the business phase with customers in each of their commercialized projects



Growing market demand on a global scale, for digital twin and spatial DX promotion in mapping application



~10T Yen

~20T Yen



Industry 4.0

- The "Digital Twin," one of the core technologies of the "Industry 4.0" has evolved.
- Major manufacturing companies such as Deutsche Bahn, Siemens, Mercedes, Bosch, etc. announced their multibillion euro digital twin implementation plans one after another



Digital Compass 2030

 The EU government will take the lead in promoting the development of Europe's digital infrastructure by 2030, utilizing AI, IoT, and other technologies



Budget by each governmental policy

The comprehensive national

development plan for digital lifelines

- A large-scale public-private sector project led by the Ministry of Economy, Trade and Industry (METI) to promote the automation and digitization of social infrastructure from FY2024
- Promote the implementation of spatial DX technologies including 3D map, data connection infrastructure, infrastructure management DX, autonomous driving support infrastructure

Digital China

- A government-led project to promote the digitization of the entire social economy, including 3D map creation and spatial digitization toward 2035
- Collaborating with many domestic companies such as Baidu and Beijing Automotive Group, as well as overseas companies such as Audi

100T Yen

10

Expansion of solution business



Build and expand solutions for end customers with ecosystem partners to meet growing market demand

Type and structure of packages offered

further customer

commercialization

Productization Algorithm Solution package package Solution Solution Operation and added-Solution value services Product Product Product Robots / mapping devices / mobility fields **Applied Applied Applied** Packages with sensors technology technology technology and semiconductors **Deep Tech** Deep Tech Deep Tech Core algorithm (Kudan) (Kudan) (Kudan) The root of Started in 2022 as Leverage productization differentiation and package and offer to "priming" for

the market jointly with

ecosystem partners

mid- to long-term

earnings pillar

Expand solution business for digital asset infrastructure



- Develop DX-based solution business utilizing productization packages (mapping)
- Deployment in municipalities and public infrastructures is underway, preceding in Europe.
 Aim of expanding revenue to more than 100 million yen scale in the short term

Growing demand for DX for municipalities and public infrastructure

Public infrastructure survey and maintenance





Building Survey



Green Cadastre



Provide integrated solutions from digitization to database management

Mapping equipment / scanning

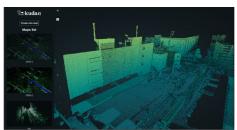




Information assignment / Database management



3D digitization by point cloud



Expected Impact

- Data collection efficiency: 10~20x
- Data use efficiency: 2~5x
- Realization of innovation
 - Expand assets that can be managed
 - New business through information sharing
 - Work decentralization, etc.

Solution partner for digital asset infrastructure



 Concluded a basic agreement with STS Group, headquartered in Hungary, to jointly develop a digital asset infrastructure solution business in Europe as a strategic business partner





- Founded in 2002, a plant engineering and turnkey solution provider in the renewable energy area
- Business is the design, construction, and operation of power generation facilities for renewable energy sources, such as solar and wind power, and other lifelines
- Implement digital technology into business processes at an early stage to provide highly reliable, cost-effective solutions



Regional expansion

Hungary, Germany, Central and Eastern Europe, Balkans, Baltic States

Clients

Major European energy-related companies such as E.ON, RWE, MAVIR

Project highlights



Robotics

Mappin ٥

Projects toward customer commercialization

Productization package

Customer products



company

Continue testing of autonomous mobile robots for logistics warehouses in a large-scale environment



Ongoing evaluation projects



Latest release of Kudan Visual SLAM, a major update for the AMR platform



using productization packages for robots, with an increasing number of customers adopting the packages



Continued small-scale introduction for end Movel AI customers



Completed technical verification of autonomous mobile robots for hospitals in multiple environments. Significant progress has been made toward commercialization







Fixed 240 million yen in product licenses, and accelerate regional expansion into global markets

Whale Dynamic

Mapping system company Mapping device development has been progressed ahead of plan and the discussion of a commercial agreement began



Sales of the productization package for mapping has expanded. Utilize this package to develop solution business as priming



Steady growth in number of additional license orders

UCS



Mapping system

solution, and development

project has launched

Final verification and preparation work for commercialization is in progress



Progress in business development utilizing productization packages for mapping

Appendix: Company Overview

Business Model

AP will be the basis for broad range of industries alongside AI



The artificial perception technology provided by Kudan (providing machines with "eyes") both complements and operates in unison with artificial intelligence (providing machines with "brains") to allow a range of machinery (robots and computers) to move and function autonomously

Artificial **P**erception



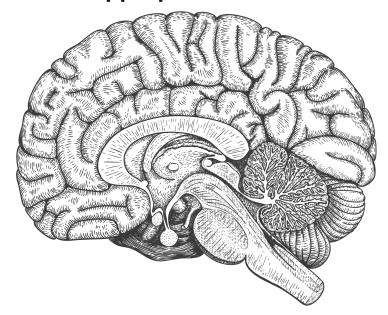
Artificial **I**ntelligence

The "eyes" of machines, allowing them to perceive and understand their environment





The "brains" of machines, allowing them to make appropriate decisions



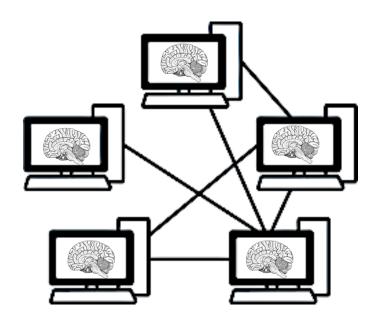
Relation to the evolution of AI



 With the evolution of AI, the need for AP to connect machines and real space will continue to grow

From "Internet AI" that does not act directly in real space

To "Embodied AI" that can act directly in real space

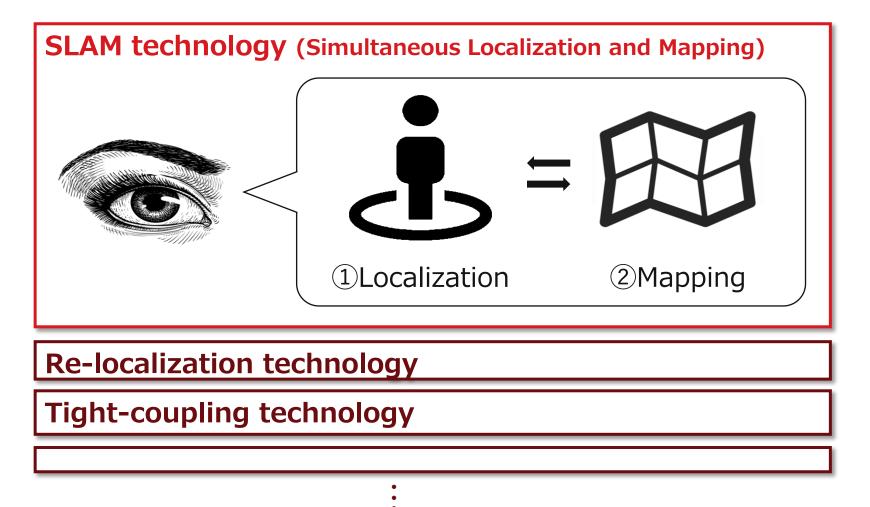




SLAM (Simultaneous Localization and Mapping) as the core of AP technology



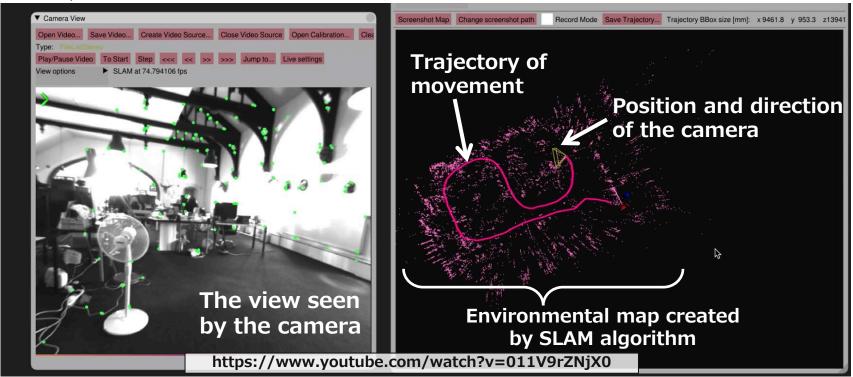
 AP technology is a group of Deep Tech centered on SLAM (Simultaneous Localization and Mapping)



What is SLAM (Simultaneous Localization and Mapping)?



- Technology that simultaneously determines where we are (Localization) and what our surroundings look like (Mapping) based on input from sensors such as cameras and Lidars
- We can keep a track of how we move while creating a map in a new environment (tracking), and recognize where we are based on a map we created beforehand (re-localization)
- Unlike GPS and beacons, which use external radio waves to detect location, SLAM can recognize
 its own location as a stand-alone software and can be used in a wider range of environments,
 situations, and use cases



^{*} Refer to our YouTube channel (the URL below) for further demo movies of our technologies https://www.youtube.com/user/KudanLimited/featured

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Broad range of SLAM application

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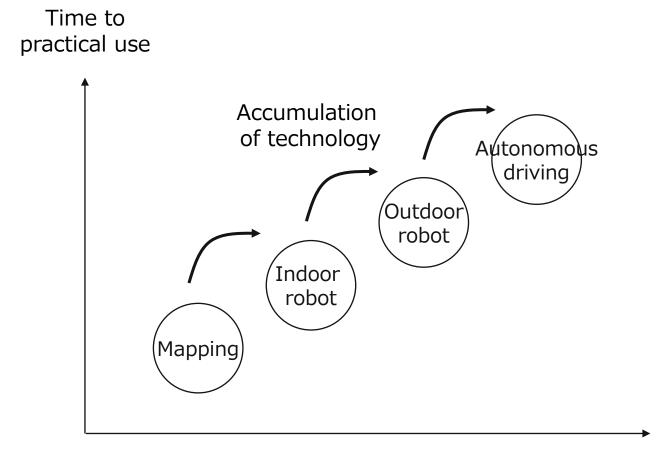
Localization & Mapping technology centered SLAM is necessary in cases where moving machines and equipment need to change their subsequent movements and outputs depending on their positions and movements



Broader applications through accumulation of technology



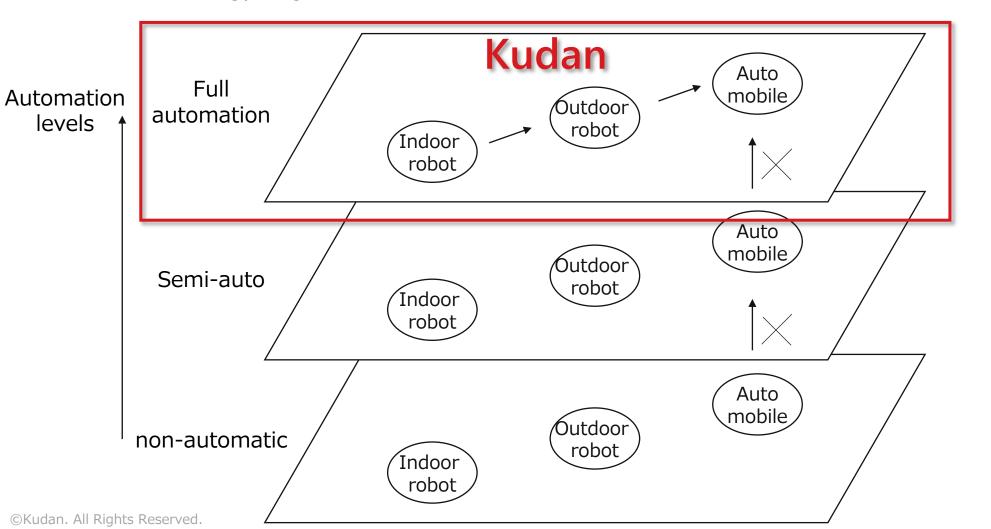
 Proceed strategically to realize full automation in stages in each area and realize subsequent applied technologies



Evolution of the technological axis (evolution of the eye)



- Full automation is difficult to achieve through the accumulation of non-automatic and semi-automatic technologies
- Kudan's technology targets full automation



"ARM-like position" targeted by our small number of professionals



Layers of technology industries

Players in Artificial Perception

Solution

Operation and added-value services

Product

Products in robotics / wearable / mobility fields

Applied technology

Packages with sensors and semiconductors

Deep Tech

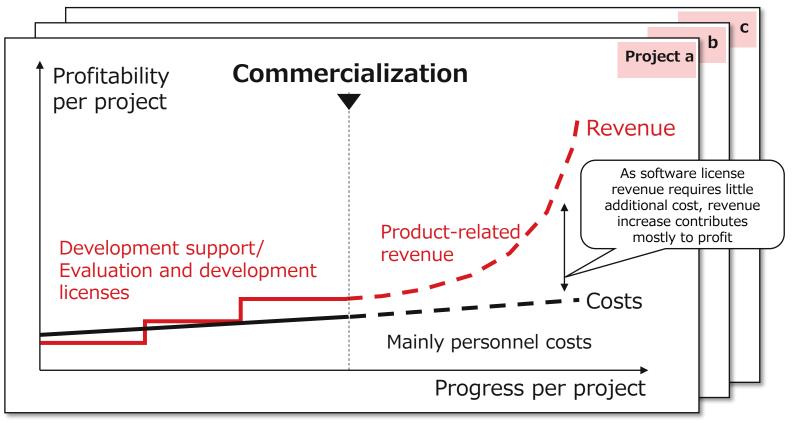
Algorithms (Software development & licensing business)

Maximum value with a small number of professionals, difficult to replace

Revenue model



- Currently, the majority of projects are in the "evaluation and development" phase, a business
 phase that is in the red due to prior investment in R&D expenses
- A certain scale of profitability and growth is expected in evaluation and development licenses/customer development support, but we aim to dramatically increase profit by building up significant product-related revenue through market penetration of technology by popularization of customer products



Source of competitiveness

A "globally born" technical group



GB Bristol (R&D/Sales)

Kudan group founded in
 2011



JP Tokyo (Admin/Sales)

- Established in 2014
- Listed on TSE Mothers (currently, Growth) in 2018





US Sillicon Valley (Sales)

Established in 2020

DE Munich (R&D/Sales)

- Artisense founded in 2017
- Kudan's investment in Artisense in 2020
- Kudan's acquisition of Artisense in 2021

An elite company led by a world-class SLAM researcher

- Dr. Cremers, Chief Professor, Technical University of Munich
- 63,000 citations of his work in academic papers, h-index 116

Demand for technology that is not open-source and has been professionally developed for commercial use



	Artificial Intelligence	Artificial Perception
Characteristic	 Algorithm is simple (several hundreds of lines) 	 Algorithm is complex (several hundred thousand lines)
Development environment	Can be completed on Internet	 Hardware integration and demonstration in a real-world environment are essential
Open-source	Practical	 Not practical
Technological competitiveness	 Quality and quantity of data (= capital strength) 	 Accumulation of development capabilities and technological demonstrations

Specialized companies like Kudan are developing the technology with a rare talent pool

Acquired world-class technical team to support R&D



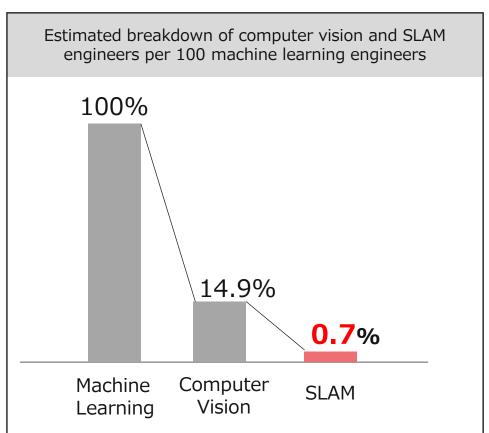
Researchers and engineers specializing in SLAM technology are extremely rare, even in the field of computer vision. Despite this, Kudan and Artisense employ many world-class professionals with PhDs in the field







There is our CSO, Professor Cremers

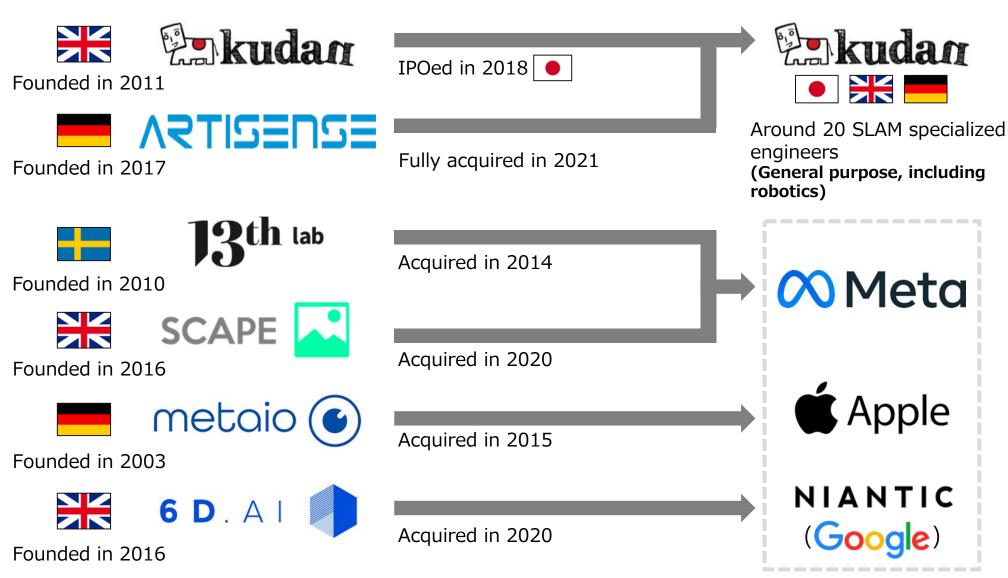




Other companies trying to organize SLAM engineer teams of the same level and scale will require large investments in both recruitment and labor costs

Related technologies are acquired in the world, only a few independent SLAM development companies left





Specialized for smartphone AR

While the increase of acquisitions of the related technologies, Kudan leads the market in track record and awareness



- More limited numbers of SLAM-focus / SLAM-feature software companies due to acquisitions by larger technology companies
- Kudan has been in a leading position in terms of breadth of offering, track record and awareness in the market

SLAM-focus / SLAM-feature software player



- Offers Indirect & Direct Visual SLAM and Lidar-SLAM
- Flexible sensor options
- Track records in various applications such as AR, robotics and autonomous driving

SLAMORE

- Only Indirect Visual SLAM
- Optimized for limited camera models



sevensense

- Only Indirect Visual SLAM
- Optimized for specific cameras, focus only on robotics area



Focus on very specific medical application

outsight

- Only Lidar-SLAM
- Optimize for their own hardware kit

Development projects and partnership with global leading players have been increasing

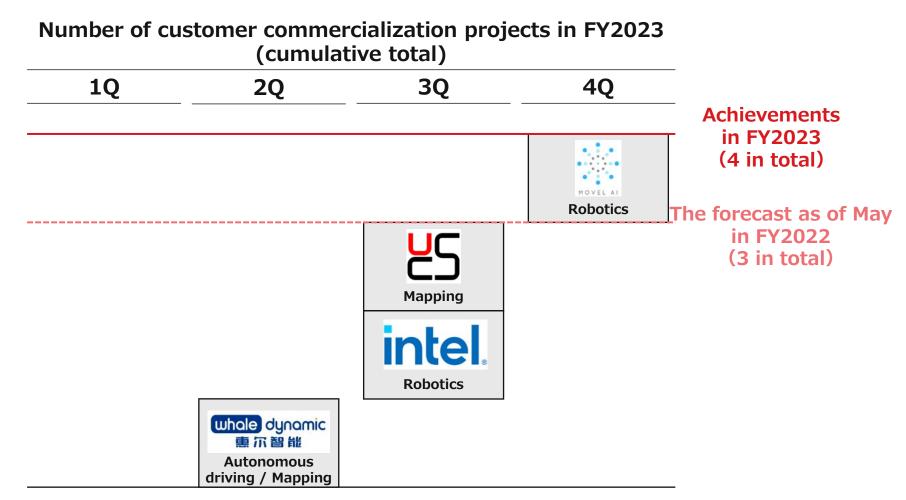


1	Γiming	Main target applications and project overview				
F	May.	Robotics) Partnership with Thales group for next-gen tracking system development	THALES			
Y 2	Aug.	Mobility) Signed with Japan Unisys to collaborate as Business Scaling Partner	UNİSYS			
0		Mobility) Partnership with Macnica to develop new value-added solutions for mobility business	macnica			
		Robotics, Mapping) Partnership with Ouster. Provide localization and mapping solutions with Lidar	OUSTER			
	Nov.	AR) Develop RGB-D SLAM on smartphones with ToF sensor with Sony Semiconductor Solutions	SONY			
	Jan.	Robotics, Mapping) Partnership with Cepton on Lidar-SLAM and joint exhibition demo	CEPTON			
		Robotics, Mapping) Partnership with Velodyne on Lidar-SLAM	Velodyne Lidar			
F	F May	Robotics) Launch SLAM library for Qualcomm® Robotics RB3 Platform with their technical support	Qualcom			
Υ	-	Robotics) Joint development of 3D SLAM demo application with Analog Devices	ANALOG DEVICES			
1 Nov	Nov.	Robotics) Partnership with Vecow to jointly offer integrated solution for autonomous mobile robots	Vecow			
		AR, Mobility) Artisense released Automotive AR navigation demo with HERE technologies and NNG	Yele ING			
	Dec.	General) Achieved 40% image process acceleration with Synopsys ARC EV processor IP on Kudan SLAM	SYNOPSYS®			
	Mar.	General) Joined NVIDIA Inception Partner Network	ON INVIDIA			
F	Apr.	AR) Released utilization of Kudan SLAM in NTT docomo's developing AR cloud				
Y	May.	Robotics) Partnership with robotics developer UGO to integrate Kudan SLAM into robotics and joint sales	döcomo ugo			
2 Jul.	Mapping) Signed a Developing License General Agreement with BIMEXPERTS and develop joint solutions	BIMEXPERTS				
_	Aug.	Robotics) Partnership with ADLINK, development of AMR, integration of Kudan SLAM into robotics, joint				
		General) Joined Texas Instrument's partnership network in robotics	TEXAS INSTRUMENTS			
	General) Become official SLAM partner with Ouster, a leading Lidar provider, and start offering tools on					
	Oct.	Autonomous Driving) Participation with Renault and other companies in ERASMO, autonomous driving project by EU research institute				
F Y Oct.	Oct.	Robotics) Adopted as a commercial SLAM for Edge Insight, Intel's platform for AMR				
		Robotics, Mapping) Partnership with Innoviz to promote digital mapping project	INNOVIZ [®]			
3	Apr.	Robotics) Partnership with Cadence to enhance SLAM performance for robotics	cādence°			
2	-	III Dights Deserved	2			

Achieve commercial-level customer commercialization



- Progress exceeded expectations, mainly for robotics and mapping (4 projects in total)
- Among them, full-adoption of commercial SLAM in a major semiconductor product is the world's first achievement (Intel).



Product1: About Whale Dynamic





- Leverages proprietary LV4-5 technologies for a wide range of product offerings including autonomous mobile robots and autonomous driving
- Not only targets the rapidly evolving Chinese market, but also expands its business extensively into the global market

Founder & CEO (David Chang)

■ Led the development in "Apollo", the country's largest autonomous driving project by Chinese IT giant, Baidu, as a senior product manager. M.S., University of Cambridge, U.K.

Clients/ Partners









Global expansion

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Product1: Whale Dynamic's Product Release



 Product commercialization by WD utilizing Kudan technology was realized in July 2022, and product introduction is in progress

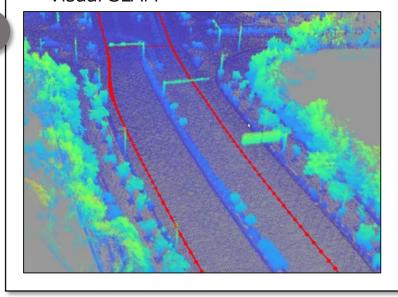
whale dynamic

 Provides mapping for public roads (vehicle-mounted) and robot (autonomous mobile vehicle) *





- Provide SLAM technology for localization and high-precision mapping
- Achieve higher performance with proprietary technology related to the integration of Lidar SLAM and Visual SLAM

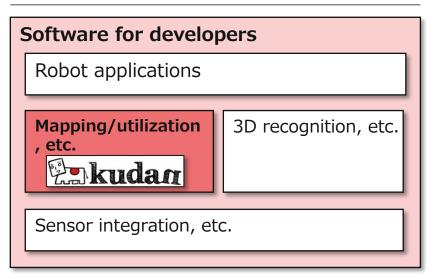


Product2: Adoption for the Intel product



- The world's first commercial SLAM fully adopted on a major semiconductor platform, as a company specializing in this technology area
- Intel's platform provides comprehensive software functions, in which our technology is a core module, for elemental technologies of next-generation autonomous mobility capabilities that robot manufacturers need to invest significantly in to develop in-house
- In addition, dedicated customization specifically for the linked Intel hardware chip delivers a significant improvement in SLAM performance
- This is expected to greatly eliminate hurdles to commercial development for robot manufacturers adopting Intel products and expand efficient and rapid practical application of autonomous mobile robots

Intel's package for robots*



Semiconductor processors for robots

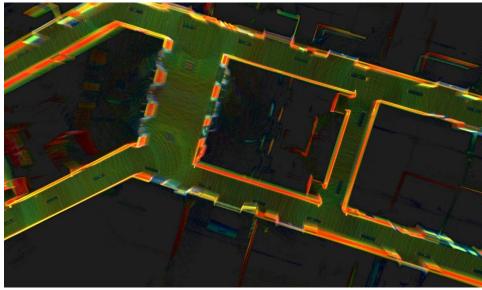
- Among the various software required for robot development, the mapping and utilization module is at the core of the product's autonomous mobility capability
- The software processing method is optimized to match the characteristics of Intel's semiconductor circuits, enabling extremely high-speed processing. This was achieved through joint development with Intel

Product3: Product release with UCS



- Developed a handheld mapping device implementing Kudan technology in about 6 months with UCS, a
 Korean mapping solution provider, and have already sold several units. This proves the maturity of Kudan
 technology, which enables a customer to quickly develop and complete integration to a customer product.
- Kudan 3D-Lidar SLAM enables accurate mapping with an inexpensive sensor set, realizing product commercialization at a competitive price
- We will meet the high market demand for simple and affordable mapping solutions on a global level for a variety of applications, including research, surveying and inspection of forests, roads, buildings, and indoor facilities





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Product4: Product release with Movel AI



- Kudan Visual SLAM/3D-Lidar SLAM is incorporated into Seirios, an all-in-one commercial software solution for autonomous mobile robots (AMR) from Movel AI, a Singapore-based robot software company
- This will enable us to offer highly accurate navigation and fleet management solutions to our customers in the future
- The Kudan SLAM integrated solution is now available for the global market and is expected to have a commercial deployment on customer sites



Completed integration of hybrid technology into customers' products



- Succeeded in making the world's first hybrid technology of indirect and direct SLAM as a commercial SLAM technology. By integrating the advantages of both methods, a significant improvement in basic performance has been achieved, which is expected to contribute to the expansion of the customer base in a wider range of applications
- In addition to application of the technology in customers' projects, integration of the technology into customers' products has been completed, and is expected to contribute to product-related revenue in FY24 onward

Hybrid SLAM

- Faster processing without sacrificing recognition accuracy
- Higher stability without relying on individually optimized implementations

Indirect SLAM

Fast processing, versatile





Direct SLAM

Precise recognition, high stability



Future Growth Potential

Measures to boost product-related revenue ①: Narrowing down focus areas



41

- With the launch of customer commercialization, revenue associated with customer products
 (product-related revenue¹) are expected to become the main pillar of growth in the mid
 to long term, and Kudan is aiming for full-fledged launch of such revenue
- Narrowed down and focused on two markets, "robotics" and "mapping,"² which have already been commercialized and are expected to launch quickly in the future

Customer commercialization progress [Number of projects] **Robotics Mapping** intel whale dynamic 惠尔智能 Commercialized Commercialized 18 **Certainty: Certainty:** medium to high³ medium to high

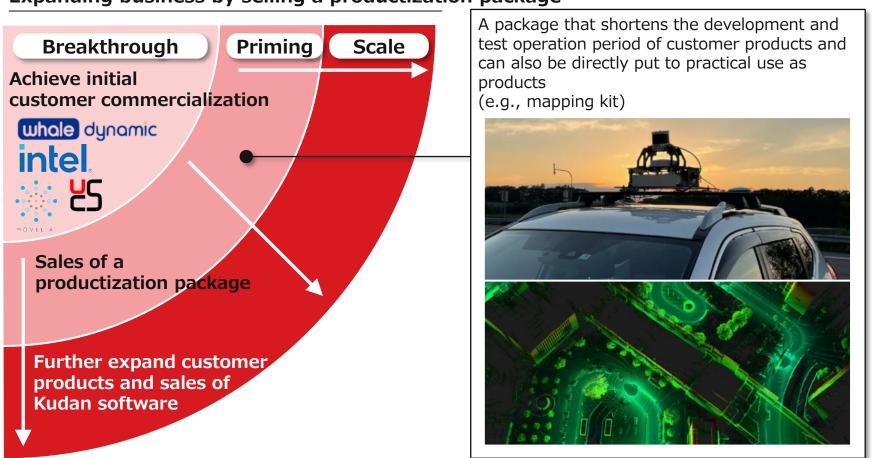
- 1. Revenue from contracts that enable the practical use of products (product sales and internal/external service operations) using our technology
- 2. For areas other than two focus areas (e.g., autonomous driving), we will continue promising projects depending on their mid- to long-term growth potential
- 3. Characteristics of the projects: Clearly defined functionality and performance required for commercialization, sufficient potential for Kudan SLAM to meet these requirements, performance validation has already been completed, limited risk to commercialization, and a specific timeline for commercialization has been established ©Kudan. All Rights Reserved.

Measures to boost product-related revenue ②: Provide a productization package



 In addition, Kudan has started developing and providing a productization package, and aims for "priming" effects to further expand customer commercialization and increase sales of Kudan software

Expanding business by selling a productization package



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Annual earnings forecast for FY2024



- Overall revenue growth was solid, driven by the expansion of product-related revenue. Costs increased from the previous year due to development and sales of a productization package and strengthened organizational structure to expand product-related revenue
- R&D subsidy income from foreign governments is continuously expected to be received as nonoperating income
- In the previous fiscal year, Kudan aimed to change to the profitable earnings structure in FY24, but will prioritize business transformation and revenue expansion to accelerate the launch of product-related revenue

 (Unit: million yen)

	Performance for FY2022	Performance for FY2023	Forecast for FY2024
Net Sales (Prior to accounting standards change)	271 (296)	332	520
Operating Profit	△433	△598	△560
Ordinary Profit (incl. "share of loss of entities accounted for using equity method")	△681 (△403)	△394	△520
Profit Attributable to Owners of Parent (incl. impairment losses)	△ 2,237 (△1,474)	△413	△550

Business progress toward growth (short- and midterm)



 Aiming to increase product-related revenue through the introduction and market penetration of customers' products, Kudan will continue to strategically promote measures to accelerate it, using the progress stage of customers' products as an indicator

Business phases along with the progress of customers' products **Preparation** Shift **Harvest** Customer **Preparation for** Full-scale Product Initial **Expansion of** commerciali Penetration development introduction introduction introduction introduction zation **Progress** forecast in 🔀 Current Progress focus areas FY22 **FY23 FY25 Robotics** FY26 ~ FY27 FY28 ~ FY22 FY23 FY24 **FY25 Mapping** FY26 ~ FY27 FY28~ 50-100 Scale of expected product-related 25-35 revenue* 10-15 0 - 13-5 0

^{*}The penetration phase is set at 100
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^{1.} Due to the progress of the business phase, the indicator of emphasis in the business has been changed from the number of customer commercialization to the progress stage of customer commercialization

Progress in partnership



- In addition to the adoption of Kudan technology in the Intel's commercial product, Kudan has also expanded and deepened its partnerships with a group of leading semiconductor and sensor companies that are also expanding their ecosystems, progressing forward significantly toward making Kudan technology an industry standard
- In FY24, work with Intel to enhance product functionality, provide customer implementation support, and conduct promotions to expand product sales
- Moreover, Kudan will strengthen partnerships with semiconductor and sensor companies for further customer commercialization as well as with system integrators that implement Kudan technology as solutions

Business co-creation and technology development partner

Product partner

Initiatives

- Client referrals and joint participation in projects
- Marketing and event planning
- Technology development and implementation collaboration
- Partners provide Kudan's technology embedded products

Semiconductor and sensor companies



Event co-sponsorship



cādence



Development progress



New partnership

- 1. A partial selection of partner companies
- 2. Commercialization definition: Kudan SLAM is incorporated as part of a partner product and delivered to the end customer via the partner

Examples of next-generation technology demonstrations

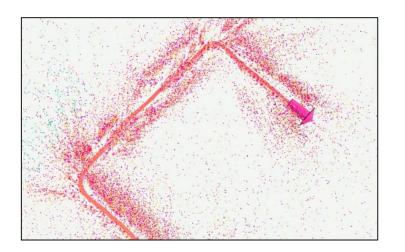


- In areas other than the focus area (robotics and mapping), select projects and work on demonstrations from mid- to long-term perspectives
- In addition to hybrid SLAM, AI-embedded localization and sensor integration for autonomous driving were demonstrated, achieving effective results.

Project image (e,g., major European automotive company)

Collaboration with GPS manufacturers and automotive companies to establish vehicle location recognition technology in urban areas, which is difficult even with next-generation high-precision GPS



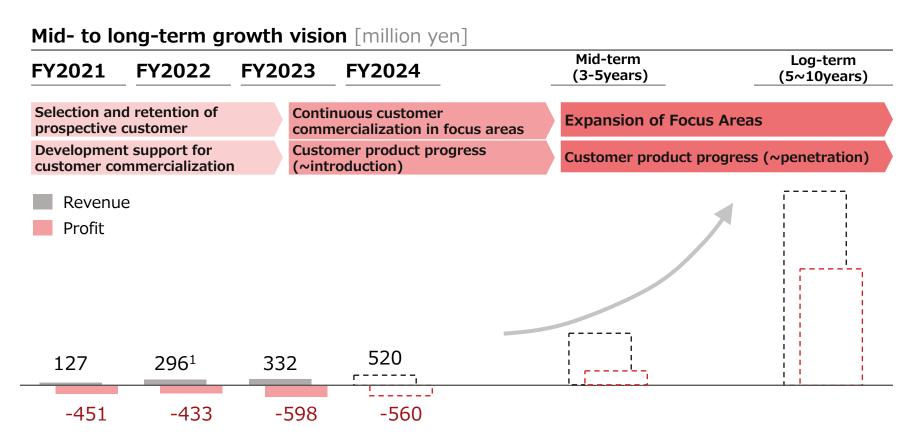


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Future growth potential (mid- to long-term)



- Continuously push forward customer commercialization and progress of customer products to quickly achieve the transformation of the earnings structure
- Aim for dramatic profit growth by building up significant product-related revenue through market penetration of technology by expanding focus areas and spreading customer products



^{1.} Revenue adjusted for the impact due to accounting standards change ©Kudan. All Rights Reserved.

Important Notice



- 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 to Kudan as of November 14th, 2023, and may not be updated or changed to reflect future developments or changes in status.