

GCC Management™ Analysis Report

CUBE SYSTEM INC.

TSE Prime Code: 2335

December 25, 2024

Up to approximately 2.8 times market cap upside, per GCC Management™ analysis

Capturing growing demand due to structural changes in the IT systems market with two hybrid supply strategies

This report will analyze corporate value from the perspective of "GCC Management™," a framework developed by J Phoenix Research ("JPR") that emphasizes the three elements of Growth (sales growth), Connection (improved connections between people and business = higher return on capital), and Confidence (improved trust = lower business risk). Corporate value analysis from the perspective of GCC Management™, which emphasizes the three elements of social capital, human capital, and financial capital.

Growth opportunities brought about by structural changes in the IT market → plenty of demand

Cube System Inc. (CS) is an IT company with advanced technological capabilities developed through partnerships as a leading business partner of Nomura Research Institute (NRI) and Fujitsu Limited. Their expertise spans numerous industries, and their industry knowledge is creating new business opportunities aligned with structural changes in the IT systems market, particularly as IT departments become centralized in headquarters' strategy. The company's experience in developing financial systems with NRI and distribution systems with Fujitsu has earned high recognition, leading major companies to increasingly approach CS for IT system construction projects, as major IT firms alone cannot handle the scale and risks involved. President Nakanishi has announced a policy to proactively leverage these structural changes, positioning this as a period of second founding and promoting reform through the implementation of the mid-term management plan. CS's system engineering expertise, developed through transactions with major SIer companies, has led to business with the AEON Group, and the expansion of dealings with Mizuho Financial Group has been a significant positive factor. This trend is expected to continue growing. The company aims to maintain and strengthen its sophisticated know-how and stable cash generation through relationships with major IT companies while expanding into direct transactions and proprietary products in response to market demand.

Two Hybrid Supply Strategies to Seize Demand and Achieve Sustainable Growth

The two notable supply strategies of CS are "(1) Hybrid Development Strategy (utilization of development base in Vietnam)" and "(2) Hybrid Human Resources Strategy (technical capabilities & industry knowledge)". For the first strategy, CS utilizes both Japanese and Vietnamese bases, with over 100 engineers in Ho Chi Minh City to achieve advanced development capabilities and competitive costs. This base handles AI and cloud technology R&D, strengthens ties with major SIer companies, develops proposal-based business through direct transactions with end-users, and creates proprietary products. For the second strategy, CS has established an organizational structure with deep client business knowledge and high technological capabilities. The company focuses on developing "hybrid-type human resources" who are experts across multiple specialized fields. Through practical training and collaboration with the Vietnamese subsidiary, employees acquire advanced skills. CS aims to improve the turnover rate (currently 10%) through competitive compensation and motivation, targeting ESG management supported by higher sales per capita and sustainable growth. CS plans to leverage these two hybrid supply strategies to ensure accelerated growth in response to market demand.

Significant short-term upside is possible if growth value is factored into the stock price

With the strategies explained above, CS growth was estimated based on the assumption of long-term acceleration, with an expected 10-year CAGR of 10.3% through FY2035; ROIC was projected to increase from 23.6% in FY2024 on a company-planned basis to 38.8% in FY2034. WACC was assumed to remain constant at 8.8%. Based on this assumption, the estimated share price would be 41.63 billion yen if the 10-year growth value is factored in, and the share price would be 2,643 yen, approximately 2.8 times (rounded to 2.753 times) the closing price on October 25, 2012. Since the growth opportunity is judged to be largely unfunded in the stock price, significant short-term upside is expected if this growth value is reflected in the stock price. We look forward to IR activities that give investors such a perception.

Basic Report

Edited and written by J Phoenix Research Inc. Osamu Miyashita, Akihisa Miyashita, Rin Komatsu www.j-phoenix.com

Compan	y Profile
Location	Shinagawa-ku, Tokyo
Representative	Masahiro Nakanishi
Date of Establishment	1972/7/5
Paid-in Capital	1,400 million yen
Date of Listing	2002/10/30
URL	https://www.cubesy
Industry	stem.co.jp/ Information & Telecommunications
Key Indica	ators As of
Dec. 13	3, 2024
Stock price	1,069Yen
52-week high	1,200Yen
52-week low	951Yen
Number of shares issued	15,750,000Stock
Trading unit	100Stock
Market capitalization	16,837Mil yen
Forecasted dividends	27Yen
Forecasted net income	83.7Yen
Forecasted PER	12.77times
Actual BPS (As of March 2024)	697.82Yen

Performance Trends		YoY	Operating Profit		Ordinary Profit		Net Profit	YoY		Stock	Prices
							(Mil of Yen)			High (Yen)	Low (Yen)
FY2022 Results	16,099	8.9%	1,417	33.3%	1,432	10.6%	989	4.8%	69.82	1,257	860
FY2023 Results	16,325	1.4%	1,452	2.4%	1,480	3.3%	989	4.8%	70.35	1,235	875
FY2024 Results	18,021	10.4%	1,536	7.5%	1,590	7.5%	1,067	7.8%	70.39	1,288	1,024
FY2024 2Q Results	9,015	14.2%	794	32.7%	788	32.6%	788	-38.9%	33.07	1,288	1,116
FY2025 2Q Results	9,022	0.1%	533	-32.9%	528	-33.0%	906	15.0%	44.01	1,143	958
FY2025 Plans	18,800	4.3%	1,600	4.2%	1,650	3.7%	1,260	3.1%	83.70	-	-

1. Investment Summary

Shareholder Value Analysis

Estimates based on the excess profit method

Growth Scenario with High Probability of Realization

Based on the future potential of CS's business development, JPR estimated shareholder value using the "excess profit method" (see Reference Basis of Calculation) based on the GCC Management™ framework. The following chart visualizes the framework of the qualitative and quantitative story. The quantitative upside will be clarified qualitatively and quantitatively in the following pages.

Qualitative Story Outline

Growth	Pioneering the future with technology and creativity to create new value for society
Connection	Aiming to be a company that continues to take on the challenge of creating social value by integrating human resources and technology
Confidence	Supporting Society and the Future through Sustainable Value Creation

Movement of major companies to shift their IT functions to their headquarters, revolutionizing the multilayered vertical subcontracting structure of IT.



Increased opportunities for IT companies with advanced and strategic proposals

Increase in direct inquiries to major SIer.



Companies that focus on our status as a leading partner of a major SIer and our know-how cultivated through transactions with the AEON Group and Mizuho Financial Group approach CS directly.



To strategically strengthen direct transactions and in-house product development in addition to the non-transactional base with major SIer companies.



Strengthening human resource development, reducing turnover, and strengthening development bases in Vietnam realizing our strategy by strengthening human capital management.



To the power to create a sustainable future together with all stakeholders.

TSE Prime CUBE SYSTEM INC. [2335]Issued date: December 25, 2024

[100 million]

Growth Value 238.0

Excess Profit Value

79.6

Book Value of Shareholders' Equity

98.7

Shareholder Value

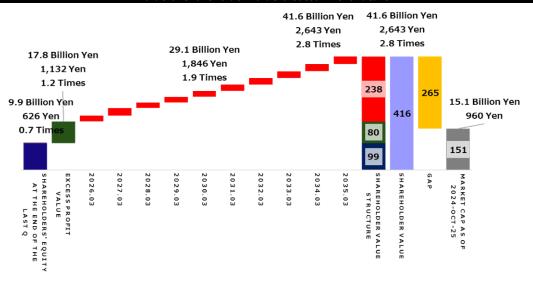
Shareholder value reflecting a 10-year scenario analysis

416.3

10-Year Shareholder Value Projection Model Estimation based on present value of future cash flows

	2025.03	2026.03	2027.03	2028.03	2029.03	2030.03	2031.03	2032.03	2033.03	2034.03	2035.03
Sales	188	206	230	257	287	320	357	399	446	497	555
Sales Growth Rate	15.2%	10%	12%	12%	12%	12%	12%	12%	12%	12%	12%
Sales Change	25	18	24	27	30	33	37	42	46	52	58
Operating Profit	16.0	19.5	24.5	28.6	33.2	38.5	44.5	51.3	59.0	67.7	77.5
Operating Profit Margin	8.51%	9.47%	10.65%	11.13%	11.59%	12.03%	12.45%	12.85%	13.24%	13.60%	13.96%
NOPAT	11.1	13.6	17.0	19.9	23.1	26.8	30.9	35.7	41.0	47.1	53.9
NOPATMargin	5.9%	6.6%	7.4%	7.7%	8.1%	8.4%	8.7%	8.9%	9.2%	9.5%	9.7%
Sales to Beginning Invested Capital Ratio	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
ROIC	23.6%	26.3%	29.6%	30.9%	32.2%	33.4%	34.6%	35.7%	36.8%	37.8%	38.8%
WACC	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%	8.8%
ROIC-WACC	14.9%	17.5%	20.8%	22.1%	23.4%	24.6%	25.8%	26.9%	28.0%	29.0%	30.0%
Beginning Invested Capital	47.1	51.6	57.6	64.3	71.8	80.1	89.4	99.9	111.5	124.5	139.0
Perpetual Value of Changes in Excess Profit	79.6	23.2	33.6	25.6	29.3	33.4	38.1	43.3	49.2	55.9	63.4
Present Value Factor	1.00	0.92	0.85	0.78	0.71	0.66	0.60	0.55	0.51	0.47	0.43
Present Value of Perpetual Value of Changes in Excess Profit	79.6	21.3	28.4	19.9	20.9	21.9	23.0	24.0	25.1	26.2	27.3
Cumulative Shareholder Value	178.3	199.6	228.0	247.9	268.8	290.7	313.7	337.7	362.8	389.0	416.3
Estimated Stock Price (Per share)	¥ 1,132	¥ 1,267	¥ 1,447	¥ 1,574	¥ 1,707	¥ 1,846	¥ 1,992	¥ 2,144	¥ 2,303	¥ 2,470	¥ 2,643
Comparison to Current Stock Price (Multiple)	1.18	1.32	1.51	1.64	1.78	1.92	2.07	2.23	2.40	2.57	2.75
Stock Price Closing as of 2024-Oct-25	¥ 960										
Excess Profit Value [100 Million Yen]	80]]	Sharobol	der Value	41 6 Bil	lion Yen		Market (Cap as of	15.1 Bill	lion Von
Growth Value [100 Million Yen]	238	-	Sharehol	uer value	41.0 DII	non ren		2024-	Oct-25	13.1 DIII	ion ren
Shareholders' Equity [100 Million Yen]	99		Stock Price	Conversion	2,643	3 Yen		Closing S	tock Price	960	Yen

How many years into the future is the stock price looking? Visualization graph of the 10-year shareholder value projection model - a graph showing the accumulation of the present value of shareholder value created in the future.



TSE Prime CUBE SYSTEM INC. [2335]Issued date: December 25, 2024

Growth



Pioneering the future with technology and creativity to create new value for society

Growth Stories of Employees and the Company
Values and Worldviews Aimed at

A group of engineers who create the future

CS aims to realize a sustainable future society through digitalization and DX promotion. With a customer-first approach, the company leverages its technological capabilities to solve social issues. Targeting sales of 23 billion yen and a 10.5% operating margin by 2026, CS will accelerate growth through three core pillars: digital business, prime business, and Sierra Leone operations. The company fosters autonomous employee growth and creates value through both technological and creative capabilities. Additionally, CS promotes global business development through partnerships with NRI and Fujitsu, utilizing its Vietnam base, while contributing to sustainability through IT infrastructure services.

Growth Story of the Real Market
Value Offered and Future Market Size

Supporting Change through Technology

value CS delivers to industries like finance distribution, and manufacturing through DX solutions using cloud and AI technologies. The IT services market has a TAM of about 27 trillion yen, a SAM of 3 trillion yen for DX services, and an SOM of 300 billion yen.Through strategic partnerships and proprietary solutions, CS targets 23 billion yen in sales by FY2026. The prime business strengthens ties with key clients, the digital business drives differentiation with unique products, and the SIeroriented business ensures stable revenue and growth. Optimizing these structures will enable CS to achieve profitability and sustainable growth.



Connection



Aiming to be a company that continues to take on the challenge of creating social value by integrating human resources and technology

Connection Stories within Employees and Companies Management Resource Connection Strategies

The joy of growing together

CS's strength stems from its skilled workforce and extensive industry expertise. The company enhances technical capabilities through initiatives like in-house hackathons, while building valuable technological assets, including AI facial recognition payment patents and its proprietary "F@CE" framework. With established partnerships with industry leaders like Nomura Research Institute and Fujitsu, the company maintains long-term client relationships. Moving forward, CS aims to strengthen its digital technology capabilities and leverage its Vietnam base for global expansion, while focusing on continuous human resource development.

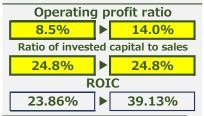
Connection story of business resources in the real market
Business Model Dynamics

Paving the way to the future with technology

CS achieves high productivity and profitability by organically integrating internal and external management resources. Through its specialized organizational structure, the company effectively supports clients' DX initiatives by developing "hybrid talent" who expand their expertise beyond their core strengths. CS enhances cost competitiveness through optimized development with its Vietnam base and collaboration with cloud vendors. By balancing variable and fixed costs, the company improves profitability with revenue growth. Along with enhanced capital turnover and working capital efficiency, CS aims to achieve ROE of over 14% by FY2026.



ROIC from 23.9% to 39.1%.



Excess profit value [100 million yen]

79.6

Confidence



Supporting Society and the Future through Sustainable Value Creation

Trust story among employees and within the company
Profitability and financial stability

Growing with the power of bonds

CS's revenue is built on long-term trust with its clients. Around 60% of revenue comes from stable SIer contracts centered on system maintenance and operations, providing a reliable income stream. Strong partnerships with NRI and Fujitsu allow the company to consistently secure projects requiring advanced technical expertise. CS is also expanding its direct client base, including Mizuho Financial Group and AEON Group. Financially, it maintains a robust equity ratio of 75.1%, 6.8 billion yen in cash reserves, and a stable ROE of 10.8%, balancing growth investments and shareholder returns.

Trust Stories in the Real Market Social Contribution & Governance

Growing with Society

CS supports clients' environmental initiatives through cloud migration and DX solutions. They've committed to environmental responsibility by supporting TCFD recommendations and achieving a CDP Climate Change Survey B score. Their social initiatives focus on hiring people with disabilities and advancing women's roles, targeting 15% female managers by FY2026. For governance, they maintain transparency through board evaluations and a Nomination and Compensation Advisory Committee, while strengthening risk and information security management.

Assessment Indicators of the Financial Market

Confidence Story

10-Year Outlook for WACC

8.78%



Book value of shareholders' equity

[100 million yen]

98.7

2. Overview

Company Profile

Company Name	CUBE SYSTEM INC.
Company Name	(Japanese notation: 株式会社キューブシステム)
Establishment	1972/7/5
Representative	Masahiro Nakanishi
Head Office Location	Osaki Wiz Tower, 2-11-1 Osaki, Shinagawa-ku, Tokyo
Capital	1.4 billion yen
Number of Employees	952 (2024/4/1, consolidated)
Fiscal Year End	Mar.
Business	Provide system solution services
Date of Listing	2002/10/30
Stock Exchange Listing	Tokyo Stock Exchange Prime [Securities Code: 2335]

Source: Compiled by JPR based on company data.

History

Year	Mon	Contents
1972	Jul.	Customer Engineers Inc. was established in Shinagawa, Tokyo, for software development and system management.
1985	Apr.	Opened Osaka Sales Office (currently West Japan Solution Division) in Higashi-ku, Osaka.
1988	Mar.	Signed a basic contract with Nomura Research Institute, Ltd. for a system development service, and started system integration services and system outsourcing services.
1000	Oct.	Changed the company name to "CUBE SYSTEM INC." to clarify business areas and management philosophy, and to further develop the company.
Dec. HOKKAIDO CUBE SYSTEM INC. (currently a consolidated subsidiary) is establistrengthen sales in the Tohoku and Hokkaido regions.		HOKKAIDO CUBE SYSTEM INC. (currently a consolidated subsidiary) is established to strengthen sales in the Tohoku and Hokkaido regions.
1994	Mar.	Head office relocated to Nishi-Gotanda, Shinagawa-ku, Tokyo.
1995	May.	Swap Management System, a financial derivatives trading management tool, developed and launched.
2001	Mar.	Obtained ISO 9001 certification, an international quality standard.
2002	Oct.	Listed on JASDAQ (OTC).
2003	Feb.	Became "e-Partner" with Nomura Research Institute, Ltd. to strengthen alliance in system solution business.
2003	Dec.	Acquired "Information Security Management System (ISMS) Conformity Assessment System" and "BS7799" certification.
	Mar.	Head office relocated to Higashi-Gotanda, Shinagawa-ku, Tokyo.
2005	Jul.	Acquired ISO 14001 certification (international standard for environmental management systems).
2006	Feb.	Obtained ISO/IEC27001 (Information Security Management System) certification.
2006	Nov.	Listed on the Second Section of the Tokyo Stock Exchange.
2008	Mar.	Established CUBE SYSTEM VIETNAM CO., LTD. in Ho Chi Minh City, Socialist Republic of Vietnam.

Source: Compiled by JPR based on company data.

This report is prepared by J Phoenix Research Inc. ("JPR") for the purpose of providing information to investors and is not intended as a solicitation to buy or sell securities. JPR shall not be liable for any consequences, including any direct or indirect damages, resulting from the use of or reliance on this report. The responsibility for securities and other transactions rests solely with the investor. Please refer to the last page of this report for more information on precautions.

History (continued)

Year	Mon	Contents
2008	May.	Becomes an "e-e-Partner" with Nomura Research Institute, Ltd. to Further Strengthen Collaboration in the System Solutions Business.
2009	Jul.	CUBE SHENYA SYSTEM SHANGHAI CO.,LTD. was established in Shanghai, People's Republic of China.
2014	Mar.	Listed on the First Section of the Tokyo Stock Exchange.
2015	Jul.	Head office relocated to Osaki, Shinagawa-ku, Tokyo.
2017	Dec.	With the acquisition of all shares of the consolidated subsidiary CUBE SHENYA SYSTEM SHANGHAI CO.,LTD. the company name was changed to CUBE SYSTEM SHANGHAI CO., LTD.
2019	May.	Opened Nagoya Office in Naka-ku, Nagoya-shi.
2021	Apr.	Acquired patent rights for AI facial recognition touchless payment service in DX business.
	Apr.	Acquired additional shares of a consolidated subsidiary (Hokkaido Cube System Inc.), making it a wholly owned subsidiary.
2022	Apr.	Moved from the First Section of the Tokyo Stock Exchange to the Prime Market due to a revision of the Tokyo Stock Exchange's market classification.
	Dec.	Entered into a capital and business alliance agreement with Nomura Research Institute, Ltd.
2023	Sep.	Opened Fukuoka Office in Hakata-ku, Fukuoka-shi.

Source: Compiled by JPR based on company data.

Major Consolidated Subsidiaries and Group Companies

Company name	Buisiness outline	Capital	Investment Ratio
HOKKAIDO CUBE SYSTEM INC.	System Solution Services	53 Mil Yen	100.0%
CUBE SYSTEM VIETNAM CO., LTD.	System Solution Services	600k U.S. dollars	100.0%
CUBE SYSTEM SHANGHAI CO.,LTD.	System Solution Services	6,500k Chinese yuan	100.0%

Source: Compiled by JPR based on company data.

Major Business and Capital Alliances

Year	Mon	Company	Purpose
2018	Aug.	TRIPLEIZE CO., LTD.	Collaboration with TRIPLEIZE CO., LTD. in its areas of expertise, "AI and IoT technologies," will aim to create new businesses and expand orders. After the capital alliance, CS's shareholding ratio will be 5.2%.
2022	Dec.	Nomura Research Institute, Ltd.	Strengthening of long-term, ongoing relationships related to outsourcing, as well as expansion of business areas and development organization and facilities.NRI's stake in CS is 20.20%.

Source: Compiled by JPR based on company data.

This report is prepared by J Phoenix Research Inc. ("JPR") for the purpose of providing information to investors and is not intended as a solicitation to buy or sell securities. JPR shall not be liable for any consequences, including any direct or indirect damages, resulting from the use of or reliance on this report. The responsibility for securities and other transactions rests solely with the investor. Please refer to the last page of this report for more information on precautions.

3. Growth Story and Assessment through the GCC Management™ Framework

Growth

Values and worldview are clear

Creating social value and expanding business opportunities through DX promotion

From Contracttype to Planning type

Seize the opportunity of increased demand for structural changes in the market

Achieve business growth through planning-type and contract-type business

Worldview background: Leading the way in value innovation

Japan's IT industry is undergoing a change in its traditional multiple subcontractor structure. CS holds a unique position in this transformation, leveraging its advanced technological capabilities developed through 50 years of collaboration with major SIer firms and its diverse industry client base, while pursuing innovation for the new era. Direct transactions with Mizuho Financial Group and Aeon Group exemplify this transformation. Rather than merely pursuing direct transactions, CS aims to build "co-creation" relationships where they collaborate with clients on IT strategy development and implementation. The company provides employees with clear guidance to "think and act independently," fostering a corporate culture that challenges traditional industry boundaries. CS particularly focuses on developing "hybrid talent" combining advanced software engineering skills with deep business knowledge. This approach has enhanced relationships with major SIer firms, creating a virtuous cycle leading to more sophisticated projects, direct transactions, and proprietary product development.

The power to lead change

CS is pursuing three growth engines: "SIer Business" through fiduciary strategic partnerships, "End-User Business" through direct transactions, and "Service Providing Business" to develop in-house products by leveraging its unique strengths. It is noteworthy that these are positioned not as simple revenue sources but as mutually reinforcing growth platforms. For example, the knowledge in the financial and distribution fields gained through collaboration with a major SIer firm will lead to expanded transactions with Mizuho Bank and the AEON Group. CS is not simply competing for market share, but is taking an aggressive stance to promote the evolution of the market itself. The global development system centered on the Vietnamese subsidiary is also functioning as a foundation for providing high-value-added services, rather than price competition.

<u>Second founding: Business restructuring through three</u> growth engines

CS is advancing a bold transformation from a conventional contract-type model to a planning type approach as part of its "second founding." Its growth strategy is built on three pillars.

First, in its SIer business, the company is evolving from simple staffing services to a "one-stop model," undertaking all processes from specific stages onward, while enhancing competitiveness through collaboration with its Vietnamese subsidiary. Second, in its End-User business, CS leverages industry expertise gained through its SIer business to expand direct transactions.

Third, in its service providing business, the company is utilizing abundant financial resources to promote the development of its own services. Through this tri-pronged strategy, CS aims to transition to a high-profit business structure. Additionally, the company is fostering a mindset shift among its employees from "following instructions" to "thinking independently and proposing solutions."

This report is prepared by J Phoenix Research Inc. ("JPR") for the purpose of providing information to investors and is not intended as a solicitation to buy or sell securities. JPR shall not be liable for any consequences, including any direct or indirect damages, resulting from the use of or reliance on this report. The responsibility for securities and other transactions rests solely with the investor. Please refer to the last page of this report for more information on precautions.

Business Model Transformation

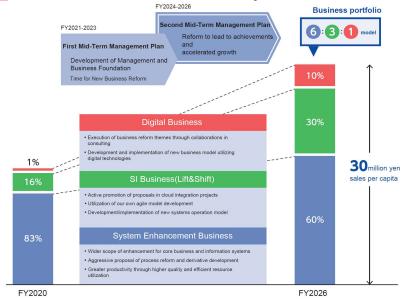
for Autonomous

Growth

Ten-Year Outlook for Sales

The long-term plan is underpinned by a meticulous strategy, with the core focus on optimizing the business portfolio to stay ahead of industry structural reforms. The System Enhancement business will maintain stable growth, while the Digital business and SI business are expected to achieve higher growth rates. By doing so, the proportion of the SIer business, which accounted for 83% in 2020, will be reduced to 60% by 2026, achieving a more balanced business portfolio. This will establish a stronger revenue base, significantly improve operating profit margins, and is expected to expand market capitalization. Ample cash reserves will be strategically allocated to investments and shareholder returns to maximize capital efficiency and corporate value. Moreover, the company incorporates ESG and SDGs perspectives to build a growth model that balances social value with economic value.

Forecast to 2026 and business portfolio



Source: CUBE SYSTEM - CONCEPT BOOK 2026

TAM/SAM/SOM: Japan's Renewable Energy Market

High market expectations

In terms of TAM (total market size), SAM (serviceable market), and SOM (actually serviceable market), the overall IT services market in Japan is estimated to be about 20 trillion yen, the IT services sector where CS can provide services is about 5 trillion yen, and the market where it can gain market share at present is about 1 trillion yen. 10-year scenario In addition, the company also has a specific sales expansion strategy based on building up the number of customers and unit price, against a backdrop of rapidly growing demand for cloud migration and DX services.

VISION 2026: Long-term growth strategy to double sales by promoting DX

growth

CS's sales are currently about 18 billion yen, and future growth depends heavily on digitalization and technological innovation. Under its mid- to long-term management plan, VISION 2026, the company aims to achieve annual growth of 10% or more through DX promotion, and plans to significantly increase sales over the next 10 years by expanding cloud migration services, optimizing business processes, and increasing cost reduction needs. Strengthening sales activities and expanding the customer base will be essential to this growth, and increasing the number of customers and cost per customer will be key. Increasing customer satisfaction through pre-marketing and customer feedback will increase the achievability of sales, and increasing customer loyalty to enhance corporate value is a key focus in the long-term growth of the company.

Connection

Establish a growth image by increasing supply capacity to meet increasing demand

Business model
evolution and
ROIC
improvement by
improving the
quality of human
capital

Human resource strategy and business structure reform

Improve
efficiency by
improving human
resource
retention rate and
utilizing
intellectual assets

Two Hybrid Supply Strategies

The Joy of Growing Together

The core of CS's supply strategy consists of "(1) Hybrid development strategy (utilizing Vietnam base)" and "(2) Hybrid human resource strategy (technical capabilities & industry knowledge)". The company's success in collaborating with large SIer led to delays in contract-type business, company restructuring, and employee awareness changes, resulting in higher turnover among those seeking innovation. This increased costs and supply shortage risks. To address this, their Vietnam base employs over 100 engineers in Ho Chi Minh City, achieving advanced development capabilities and competitive costs. This base conducts AI and cloud technology R&D, developing strategic partnerships with major SIer firms and planning-type business with end users. The company focuses on developing "hybrid human resources" with both technical skills and business knowledge, improving capabilities through practical training and Vietnamese subsidiary collaboration. Through these initiatives, CS aims for sustainable growth by encouraging proactive employee participation, improving per-capita sales, and promoting ESG management.

New value created by people

Qualitative improvement in human capital is directly linked to the evolution of the business model, and the shift from traditional contracting to high value-added areas has led to a steady improvement in sales per employee. In end-user projects, the ratio of upstream processes has increased, contributing to higher profit margins. The company's improved employee retention rate has allowed it to accumulate intellectual assets, and its industry-specific solutions and expertise in AI and cloud computing technologies have become a source of competitive advantage. Furthermore, through optimal role-sharing with the Vietnamese subsidiary, profitability has improved, and ROIC is expected to improve as a result of these synergistic effects.

Strategic Measures to improve ROIC

<u>High profitability to be realized through both human</u> resource evolution and business structure reform

CS is promoting ROIC improvement from both human resource strategies and business structure reforms. In terms of human resources, CS will reduce the turnover rate from 10% to 5% by developing advanced skills and offering attractive projects, thereby improving productivity per worker. In terms of business structure, the company plans to increase the ratio of end-user projects and service providing business. At the same time, the company will increase the efficiency of its invested capital by improving development efficiency through the use of its Vietnamese subsidiary and promoting the reuse of intellectual assets. Through these measures, the company aims to improve ROIC as shown below and achieve industry-leading capital efficiency.

10-year outlook for ROIC

The company aims to significantly improve ROIC by reforming its profit structure based on the evolution of its human resource strategy. The operating margin is expected to improve from the current 8% to more than 12% through an increase in high value-added projects and higher sales per capita. Furthermore, the company expects to maintain the current ratio of sales to invested capital by improving productivity through better retention of human resources and the utilization of intellectual assets. As a result, JPR forecasts that ROIC will be around 30% in 10 years. The plan seems highly feasible if supply capacity is increased through two hybrid strategies against the backdrop of abundant demand.

Confidence

Profitability stability through a hybrid business structure between Japan and Vietnam

Social contribution and diversity strategies to support DX promotion and sustainability in Asia

Sustainable growth strategy with ESG management at its core

Improvement of capital efficiency through expansion of Vietnam business and improvement of profitability

Ensuring future value creation through the power of Asia

Growing with the power of bonds

Expanding challenges to the world

At the core of CS's profit stability is a hybrid business structure that leverages both Japan and Vietnam. The development base in Ho Chi Minh City employs over 100 highly skilled engineers, providing advanced development capabilities and a competitive cost structure. Of particular note is the fact that it is not merely an offshore development base, but also serves as an R&D function for AI and cloud technologies. This structure has enabled the company to strengthen long-term partnerships with major SIer companies in the system enhancement business, and to provide high-value-added solutions in the SI business through direct transactions with the AEON Group and Mizuho Financial Group. Furthermore, the Vietnamese market itself is experiencing rapid growth, and the company has begun to develop services for local companies. The company is expected to become a new source of revenue in the Asian market. Financially, the company is well positioned to take advantage of its financial strength to further globalize its operations and make strategic investments.

Growing with Asia

On the social contribution side, in addition to supporting DX promotion by Japanese companies, the company is also focusing on IT human resource development in Vietnam. The company is focusing on recruiting new graduates and hiring the next generation of IT personnel through its internship program. This also contributes to improving the digital competitiveness of Asia as a whole. In terms of diversity management, the company has created opportunities for Vietnamese engineers to work in Japan, and has realized the utilization of human resources from a global perspective. In governance, regular strategy meetings are held by the Japanese and Vietnamese management teams to promote integrated group-wide management.

ESG Strategy: Creating social value through Japan-Vietnam collaboration

CS has positioned ESG management as central to its growth strategy. Environmentally, they reduce CO2 emissions through green buildings at Vietnamese facilities and remote development systems. On the social front, they strengthen industrial competitiveness through DX support for Japanese companies while focusing on IT talent development in Vietnam, contributing to digital skill development across Asia. For governance, they maintain transparency through regular strategy meetings between Japanese and Vietnamese management teams. Their certification as an excellent health management corporation further demonstrates their commitment to sustainable growth.

10-year outlook of WACC, an indicator for evaluating the financial market's trust story

The growth strategy in Asia and a strong financial base are likely to lower CS's cost of capital. WACC, currently around 8.8%, is expected to decrease within 10 years, driven by Vietnam operations and profitability improvements. Strengthening its presence in Asian markets will enhance investor confidence, while proactive ESG initiatives attract sustainability-focused investments, further reducing financing costs. These projections are well-supported by CS's track record and growth potential in Asia.

4. Summary of Financial Results for the Second Quarter of the FY March 2025

Profit and Loss Summary

Increase in sales driven by the digital field

Profit and loss summary

Corporate results

Summary of sales and operating results

In Q2 FY03/2025, CS posted a slight increase in sales to 9,022 million yen (\pm 0.1% YoY). By business model, the digital business posted sales of 398 million yen (\pm 48.3% YoY), thanks to the acquisition of an IoT infrastructure construction project in the energy sector, while the SI business posted sales of 3.095 million yen (\pm 7.1% YoY) due to the reduction of large cloud solution projects for an education company, a wholesale distributor, and others. In the core system enhancement business, orders for projects for a financial institution and central government ministries and agencies were in line with initial plans, resulting in sales of 5,528 million yen (\pm 2.1% YoY).

Profit and loss

Gross profit was 1,869 million yen (down from 1,959 million yen YoY), and cost of sales was 7,152 million yen (up from 7,055 million yen YoY). Selling, general, and administrative (SG&A) expenses totaled 1,336 million yen (up from 1,165 million yen YoY), resulting in an operating profit of 533 million yen (down 32.8% YoY). Nonoperating income was 11 million yen due to interest income of 2 million yen, dividend income of 5 million yen, etc. Non-operating expenses were 16 million yen due to foreign exchange losses of 6 million yen, loss on investment partnership management of 7 million yen, etc. Ordinary income was 528 million yen (down 33.0% YoY). Extraordinary gains of 359 million yen on the revision of retirement benefit plans and 52 million yen on the sale of investment securities resulted in interim net income attributable to parent company shareholders of 662 million yen (+32.1% YoY).

Digital business

48% increase due to IoT projects

New participation in an IoT infrastructure construction project in the energy sector resulted in sales of 398 million yen (+48.3% YoY). CS aims to create new businesses through approaches such as consulting services, in-house products and solutions, and IP (intellectual property) creation.

System enhancement business

Steady sales to financial and government sectors

Sales were 5,528 million yen (+2.1% YoY), thanks to orders from a financial institution and central government agencies as initially planned. This has been the company's strongest business model, providing services to improve system performance and quality and enhance system value in response to changes in customers' business environments and the evolution of new technologies.

SI business

due to downsizing of some projects

Sales were 3,095 million yen (-7.1% YoY) due to a contraction of large cloud solution projects, including those for an education company and a wholesaler.

Appendix 1. Details of Financial Model

Detailed financial model of actual results, company plan and JPR forecast 10-year forecast

	(Unit: Million JPY)	Company Plan JPR Forecast								JPR Forecast		
FY		2025.3	2026.3	2027.3	2028.3	2029.3	2030.3	2031.3	2032.3	2033.3	2034.3	2035
PL	Sales	18,800	20,600	23,000	25,680	28,671	32,012	35,741	39,905	44,554	49,745	55,5
	Cost of Sales	14,708	16,117	17,994	20,091	22,432	25,045	27,963	31,221	34,858	38,919	43,4
	SGA FBITDA	2,492	2,533	2,555	2,730	2,917	3,116	3,329	3,557	3,800	4,059	4,3
		1,651	2,006	2,513	2,929	3,402	3,938	4,547 97	5,237	6,019	6,903	7,8
	Total Depreciation	51	56	63	70		87		109	122	136 6,767	1
	Operating Profit	1,600	1,950	2,450	2,859	3,323	3,851	4,450	5,128	5,897		7,7
	Interest Expenses	1	0	0	0		0	0	0		0	
	Other Non-operating Income	51	0	0	0		0	0	0		0	
	Ordinary Profit	1,650	1,950	2,450	2,859	3,323	3,851	4,450	5,128	5,897	6,767	7,7
	Extraordinary Gains/Losses	0	0	0	0		0	0	0	0	0	
	Corporate Taxes, etc.	423	500	628	733	852	987	1,140	1,314	1,511	1,734	1,9
	Comprehensive Income Attributable to Parent Shareholders	1,227	1,450	1,822	2,126	2,472	2,864	3,309	3,814	4,386	5,033	5,7
	Shares Outstanding at Beginning of Period (Thousand Shares)	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,7
	Shares Issued (Thousand Shares)	0	0	0	0	0	0	0	0	0	0	
	Shares Outstanding at End of	15.750	15.750	15.750	15.750	15.750	15.750	15.750	15.750	15.750	15.750	15.
	Period (Thousand Shares)	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,750	15,7
	EPS (JPY)	77.91	92.09	115.70	134.99	156.92	181.83	210.10	242.15	278.45	319.52	365
	Dividend	40	47	59	69	81	93	108	124	143	164	1
	Total Dividend Payment	630	740	929	1,087	1,276	1,465	1,701	1,953	2,252	2,583	2,9
	Retained Earnings	597	710	893	1,039	1,196	1,399	1,608	1,861	2,133	2,450	2,8
5	Liquidity on Hand	2,575	2,875	3,210	3,584	4,001	4,468	4,988	5,569	6,218	6,943	6,9
	Working Capital	3,444	3,845	4,293	4,793	5,352	5,975	6,671	7,449	8,316	9,285	9,2
	Depreciable Tangible Fixed Assets	175	196	219	244	272	304	340	379	423	473	,
	Investment Securities	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,068	2,
	Other Assets	1,404	1,567	1,750	1,954	2,181	2,435	2,719	3,036	3,390	3,784	3,
	Total Assets	14,067	15,062	16,273	17,667	19,259	21,100	23,202	25,614	28,363	31,499	34,
	Non-interest-bearing Current	2,442	2,727	3,045	3,399	3,795	4,238	4,731	5,283	5,898	6,585	6,
	Liabilities Short-term Borrowings	0	0	0	0	0	0	0	0,205	0	0,505	٥,
	Long-term Borrowings	0	0	0	0		0	0	0		0	
	Other Fixed Liabilities	895	895	895	895	895	895	895	895	895	895	
	Capital Stock, etc.	2,891	2,891	2,891	2,891	2,891	2,891	2,891	2,891	2,891	2,891	2,8
	Retained Earnings, etc.	7,839	8,549	9,442	10,482	11,677	13,076	14,685	16,545	18,679	21,128	23,
	Net Assets & Liabilities	14,067	15,062	16,273	17,667	19,259	21,100	23,202	25,614	28,363	31,499	34,3
	Liquidity on Hand	▲ 225	▲ 300	▲ 335	▲ 374	▲ 418	▲ 466	▲ 521	▲ 581	▲ 649	▲ 724	
	Working Capital	▲ 301	▲ 401	▲ 448	▲ 500	▲ 558	▲ 624	▲ 696	▲ 777	▲ 868	▲ 969	
	Non-interest-bearing Current											
	Liabilities	213	285	318	355	396	442	494	551	615	687	
	Tangible Fixed Asset Investment	▲ 66	▲ 77	▲ 86	▲ 95	▲ 107	▲ 119	▲ 133	▲ 148	▲ 166	▲ 185	A :
	Tangible Fixed Asset Depreciation	51	56	63	70	78	87	97	109	122	136	
	Short-term Marketable Securities	0	0	0	0	0	0	0	0	0	0	
	Investment Securities	0	0	0	0		0	0	0		0	
	Other Assets	▲ 123	▲ 164	▲ 183	▲ 204	▲ 228	▲ 254	▲ 284	▲ 317	▲ 354	▲ 395	
												2
	Retained Earnings, etc.	597	710	893	1,039	1,196	1,399	1,608	1,861	2,133	2,450	2,
	Operating Cash Flow	147	110	222	291	360	466	566	697	834	999	2,
	Short-term Borrowings	▲ 230	0	0	0		0	0	0		0	
	Long-term Borrowings	0	0	0	0	0	0	0	0		0	
	Other Fixed Liabilities	0	0		0	0	0					
				0		U	U	0	0	0	0	
	Equity Financing	0	0	0	0	0	0	0	0		0	
	Equity Financing Financing Cash Flow	0 ▲ 230				0				0		
	Financing Cash Flow Net Cash Surplus		0	0	0	0	0	0	0	0	0	2,
	Financing Cash Flow	▲ 230 ▲ 83 Company Plan	0 0 110	0 0 222	0 0 291	0 0 360	0 0 466	0 0 566	0 0 697	0	0 0 999	
	Financing Cash Flow Net Cash Surplus Increase/Decrease	▲ 230 ▲ 83 Company	0 0 110	0 0 222	0 0 291	0 0 360	0 0 466	0 0 566	0 0 697	0 0 834	0 0 999	JPR Fore
ı	Financing Cash Flow Net Cash Surplus Increase/Decrease	▲ 230 ▲ 83 Company Plan JPR Forecast	0 0 110 JPR Forecast	0 0 222 JPR Forecast	0 0 291 JPR Forecast	0 0 360 JPR Forecast	0 0 466 JPR Forecast	0 0 566 JPR Forecast	0 0 697 JPR Forecast	0 0 834 JPR Forecast	0 0 999 JPR Forecast	JPR Fore
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0%	0 0 110 JPR Forecast 2026.3 25.0%	0 0 222 JPR Forecast 2027.3 25.0%	0 0 291 JPR Forecast 2028.3 25.0%	0 0 360 JPR Forecast 2029.3 25.0%	0 0 466 JPR Forecast 2030.3 25.0%	0 0 566 JPR Forecast 2031.3 25.0%	0 697 JPR Forecast 2032.3 25.0%	0 0 834 JPR Forecast 2033.3 25.0%	0 999 JPR Forecast 2034.3 25.0%	JPR Fore
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705	0 0 110 JPR Forecast 2026.3 25.0% 5,155	0 0 222 JPR Forecast 2027.3 25.0% 5,756	0 0 291 JPR Forecast 2028.3 25.0% 6,427	0 0 360 JPR Forecast 2029.3 25.0% 7,175	0 0 466 JPR Forecast 2030.3 25.0% 8,011	0 0 566 JPR Forecast 2031.3 25.0% 8,945	0 0 697 JPR Forecast 2032.3 25.0% 9,987	0 0 834 JPR Forecast 2033.3 25.0% 11,150	0 999 JPR Forecast 2034.3 25.0% 12,450	JPR Fore 203 25.
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7%	0 291 JPR Forecast 2028.3 25.0% 6,427 11.7%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7%	0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7%	0 0 697 JPR Forecast 2032.3 25.0% 9,987 11.7%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7%	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7%	JPR Fore 203 25 13,
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822	0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472	0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309	0 0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033	JPR Fore 203 25 13, 11 5,
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7%	0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4%	0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7%	0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2%	0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3%	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4%	JPR Fore 203 25 13, 11 5,
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61	0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61	JPR Fore 203 25 13, 11 5, 41
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61 78.24%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61 78.24%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24%	0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61 78.24%	0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24%	0 999 JPR Forecast 2034.3 25.0% 11.7% 5,033 40.4% 61 78.24%	JPR Fore 203 25. 13, 11. 5, 41.
[Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61	0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61 78.24%	0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61	JPR Fore 203 25 13, 11 5, 41
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61 78.24%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61 78.24%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61 78.24% 10.17%	0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24%	0 999 JPR Forecast 2034.3 25.0% 11.7% 5,033 40.4% 61 78.24%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61 78.24% 13.25% 8.51%	0 0 110 1PR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24% 12.30% 9.47%	0 0 222 JPR Forecast 25.0% 5,756 11.7% 1,822 31.7% 61 78.24% 11.11% 10.65%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61 178.24% 10.17% 11.59%	0 0 466 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24% 9.73% 12.03%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24% 9,31% 12.45%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24% 8,91% 12.85%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24% 8.53% 13.24%	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61 78.24% 8.16% 13.60%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8
· ·	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unik: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast. 2025.3 25.0% 4,705 0.0% 1,190 25.3% 178.24% 13.25% 8.51%	0 0 110 3PR Forecast 2026.3 25.09% 5,155 9,69% 1,450 28.19% 61 178.249% 12.309% 9.479%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61 178.24% 11.11% 10.65%	0 0 291 JPR Forecast 2028.3 25.0% 6.427 11.7% 2,126 33.1% 61 178.24% 10.63% 11.13%	0 0 360 360 329,3 25,0% 7,175 11,7% 2,472 34,4% 61 178,24% 10,17% 11,59%	0 0 466 JPR Forecast 2030.3 25.0% 2,864 35.7% 61 178.24% 9.73% 12.03%	0 0 0 566 JPR Forecast 2031.3 25,0% 3,309 37,0% 61 78,24% 9,31% 12,45%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,8124 61 78.24% 8,91% 12.85%	0 0 834 JPR Forecast 2033.3 25.0% 11,15% 4,386 39.3% 61 178.24% 8.53% 13.24%	0 0 999 JPR Forecast 2034.3 25.0% 11.7% 5,033 40.4% 61 178.24% 8.16% 13.60%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61 78.24% 13.25% 8.51%	0 0 110 1PR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24% 12.30% 9.47%	0 0 222 JPR Forecast 25.0% 5,756 11.7% 1,822 31.7% 61 78.24% 11.11% 10.65%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13%	0 0 360 360 329,3 25,0% 7,175 11,7% 2,472 34,4% 61 178,24% 10,17% 11,59%	0 0 466 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24% 9.73% 12.03%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24% 9,31% 12.45%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24% 8,91% 12.85%	0 0 834 JPR Forecast 2033.3 25.0% 11,15% 4,386 39.3% 61 178.24% 8.53% 13.24%	0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61 78.24% 8.16% 13.60%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly	▲ 230 ▲ 83 Company Plan JPR Forecast. 2025.3 25.0% 4,705 0.0% 1,190 25.3% 178.24% 13.25% 8.51%	0 0 110 3PR Forecast 2026.3 25.09% 5,155 9,69% 1,450 28.19% 61 178.249% 12.309% 9.479%	0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61 178.24% 11.11% 10.65%	0 0 291 JPR Forecast 2028.3 25.0% 6.427 11.7% 2,126 33.1% 61 178.24% 10.63% 11.13%	0 0 360 360 37,755 7,175 2,472 34,4% 10,17% 11,59% 43	0 0 466 JPR Forecast 2030.3 25.0% 2,864 35.7% 61 178.24% 9.73% 12.03%	0 0 0 566 JPR Forecast 2031.3 25,0% 3,309 37,0% 61 78,24% 9,31% 12,45%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,8124 61 78.24% 8,91% 12.85%	0 0 834 JPR Forecast 2033.3 25.0% 11,15% 4,386 39.3% 61 178.24% 8.53% 13.24%	0 0 999 JPR Forecast 2034.3 25.0% 11.7% 5,033 40.4% 61 178.24% 8.16% 13.60%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8
I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly Sales Ratio (Honths) Short-term Borrowing Rate	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 61 78.24% 13.25% 8.51% 43 1.5 0.55%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24% 12.30% 43 1.5 0.55%	0 0 0 222 3PR Forecast 2027.3 25.0% 5,756 11.7% 61 78.24% 11.16% 43 10.65% 43 1.5 0.55%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 10.63% 11.13% 43 1.5 0.55%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 61 78.24% 10.17% 43 1.59%	0 0 0 466 JPR Forecast 2030.3 25.0% 8,011 11.7% 61 78.24% 91.203% 43 1.5 0.55%	0 0 0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24% 912.45% 43 1.5 0.55%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 38.14 38.2% 61 78.24% 8.91% 43 12.85% 43 1.55 0.55%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24% 43 13.24% 43	0 0 999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61 78.24% 8.1360% 43 13.60%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8 13.9
I	Financing Cash Flow Net Cash Surplus Increase/Derease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly Sales Ratio (Months) Short-term Borrowing Rate Long-term Borrowing Rate	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 611 78.24% 13.25% 8.51% 43 1.5 0.55% 0.00%	0 0 1100 3PR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 61 78.24% 12.30% 9.47% 43 1.5 0.55% 0.00%	0 0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.7% 1,822 31.7% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00%	0 0 291 292 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00%	0 0 360 378 Forecast 2029.3 25.0% 7,175 11.7% 2,472 34.4% 10.17% 11.59% 43 1.5 0.55% 0.00%	0 0 466 3PR Forecast 2030.3 25.0% 8,011 11.7% 61 78.24% 9.73% 12.03% 43 1.5 0.55% 0.00%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 61 78.24% 9.31% 12.45% 43 1.5 0.55% 0.00%	0 0 697 JPR Forecast 2032.3 25.0% 9.987 11.7% 3,814 38.2% 61 78.24% 8.91% 12.85% 43 1.55% 0.05%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24% 8.53% 13.24% 43 1.5 0.55% 0.00%	0 999 3PR Forecast 2034.3 25.0% 12,450 11.7% 61 78.24% 8.16% 13.60% 43 1.5 0.55% 0.00%	JPR Fore 203 25 13, 11 5, 41 78.2 7.8 13.9
I	Financing Cash Flow Net Cash Surplus Increase/Dereases (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly Sales Ratio (Months) Short-term Borrowing Rate Long-term Borrowing Rate Effective Tax Rate	▲ 230 ▲ 83 Company Plan JPR Foreast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 8.51% 43 1.5 0.55% 0.05% 25.0% 25.0%	0 0 110 JPR Forecast 2026.3 25.0% 5,155 9,6% 1,450 28.1% 61 78.24% 12.30% 9,47% 43 1.5 0.55% 0.00% 25.6%	0 0 0 222 JPR Forecast 2027.3 25.0% 5,756 11.79% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00% 25.6%	0 0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00% 25.6%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 38.2% 61 78.24% 8.91% 12.85% 43 1.5 0.55% 0.55% 0.00%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11,796 4,386 39.3% 61 78.24% 8.53% 13.24% 43 1.5 0.55% 0.00% 25.6%	0 0 999 JPR Forecast 2034.3 25.0% 12,450 11,796 61 78.24% 8.16% 13.60% 43 1.5 0.55% 0.00% 25.6%	JPR Fore 203 25. 13, 11. 5, 41. 78.2 7.8 13.9 0.5
·I	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly Sales Ratio (Months) Short-term Borrowing Rate Long-term Borrowing Rate Effective Tax Rate Dividend Payout Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 13.25% 43 1.5 0.55% 0.00% 51.3%	0 0 1110 JPR Forecast 2026.3 25.0% 5,155 9.6% 61 78.24% 61 78.24% 0.055% 0.00% 25.6% 51.3%	0 0 0 222 3PR Forecast 2027.3 25.0% 5,756 11.7% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 3600 JPR Forecast 2029.3 25.0% 7,175 11.7% 61 78.24% 10.17% 11.59% 43 1.5 0.55% 0.00% 51.3%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 61 78.24% 8.91% 12.85% 43 1.5 0.55% 0.00% 51.3%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11,7% 4,386 61 78.24% 8.53% 13.24% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 9999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61 78.24% 81.69% 13.60% 43 1.5 0.55% 0.00% 25.6% 51.3%	JPR Fore 203 25. 13, 11. 5, 41. 78.2 7.8 13.9 0.5 0.0 25.
· · · · · · · · · · · · · · · · · · ·	Financing Cash Flow Net Cash Surplus Increase/Dereases (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities John Hand to Monthly Sales Ratio (Honths) Short-term Borrowing Rate Long-term Borrowing Rate Effective Tax Rate Dividend Payout Ratio Gross DE Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 611 78.24% 13.25% 8.51% 0.55% 0.00% 25.6% 51.3% 0.00%	0 0 1100 3PR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 12.30% 9.47% 43 1.5 0.05% 0.00% 25.6% 51.3%	0 0 222 3PR Forecast 2027.3 25.0% 5,756 11.79 1,822 31.7% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00% 25.6% 51.3% 0.09%	0 0 360 378 Forecast 2029.3 25.0% 7,175 11.7% 61 78.24% 10.17% 43 1.59% 0.00% 25.6% 51.3% 0.00%	0 0 466 3PR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24% 9.73% 12.03% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24% 9.31% 12.45% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24% 8.91% 12.85% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24% 8.53% 13.24% 43 1.5 0.05% 0.00% 25.6% 51.3% 0.00%	0 999 3PR Forecast 2034.3 25.0% 12,450 11.7% 61 78.24% 8.16% 13.60% 43 1.5 0.05% 0.00% 25.6% 0.00%	JPR Fore 203 25. 13, 11. 5, 41. 78.2 7.8 13.9 0.5 0.0 25. 51.
T	Financing Cash Flow Net Cash Surplus Increase/Decrease (Unik: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities Ratio Liquidity on Hand to Monthly Sales Ratio (Months) Short-term Borrowing Rate Long-term Borrowing Rate Effective Tax Rate Dividend Payout Ratio Gross DE Ratio Net DE Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 13.25% 43 1.5 0.55% 0.00% 51.3%	0 0 1110 JPR Forecast 2026.3 25.0% 5,155 9.6% 61 78.24% 61 78.24% 0.055% 0.00% 25.6% 51.3%	0 0 0 222 3PR Forecast 2027.3 25.0% 5,756 11.7% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 360 378 Forecast 2029.3 25.0% 7,175 11.7% 61 78.24% 10.17% 43 1.59% 0.00% 25.6% 51.3% 0.00%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 61 78.24% 8.91% 12.85% 43 1.5 0.55% 0.00% 51.3%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11,7% 4,386 61 78.24% 8.53% 13.24% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 9999 JPR Forecast 2034.3 25.0% 12,450 11.7% 5,033 40.4% 61 78.24% 81.69% 13.60% 43 1.5 0.55% 0.00% 25.6% 51.3%	JPR Fore 203 25. 13, 11. 5, 41. 78.2 7.8 13.9 0.5 0.0 25.
T	Financing Cash Flow Net Cash Surplus Increase/Dereases (Unit: Million JPY) Beginning Capital Turnover Ratio Beginning Invested Capital Sales Growth Rate NOPAT ROIC Days Working Capital Ratio Cost of Sales Ratio SG&A Ratio Operating Profit Margin Days Non-interest-bearing Current Liabilities John Hand to Monthly Sales Ratio (Honths) Short-term Borrowing Rate Long-term Borrowing Rate Effective Tax Rate Dividend Payout Ratio Gross DE Ratio	▲ 230 ▲ 83 Company Plan JPR Forecast 2025.3 25.0% 4,705 0.0% 1,190 25.3% 611 78.24% 13.25% 8.51% 0.55% 0.00% 25.6% 51.3% 0.00%	0 0 1100 3PR Forecast 2026.3 25.0% 5,155 9.6% 1,450 28.1% 12.30% 9.47% 43 1.5 0.05% 0.00% 25.6% 51.3%	0 0 222 3PR Forecast 2027.3 25.0% 5,756 11.79 1,822 31.7% 61 78.24% 11.11% 10.65% 43 1.5 0.55% 0.00% 25.6% 51.3%	0 0 291 JPR Forecast 2028.3 25.0% 6,427 11.7% 2,126 33.1% 61 78.24% 10.63% 11.13% 43 1.5 0.55% 0.00% 25.6% 51.3% 0.09%	0 0 360 JPR Forecast 2029.3 25.0% 7,175 11.7% 61 78.24% 10.17% 11.59% 43 1.5 0.55% 0.55% 51.3% 0.00%	0 0 466 3PR Forecast 2030.3 25.0% 8,011 11.7% 2,864 35.7% 61 78.24% 9.73% 12.03% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 0 566 JPR Forecast 2031.3 25.0% 8,945 11.7% 3,309 37.0% 61 78.24% 9.31% 12.45% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 697 JPR Forecast 2032.3 25.0% 9,987 11.7% 3,814 38.2% 61 78.24% 8.91% 12.85% 43 1.5 0.05% 0.00% 25.6% 0.00%	0 0 834 JPR Forecast 2033.3 25.0% 11,150 11.7% 4,386 39.3% 61 78.24% 8.53% 13.24% 43 1.5 0.05% 0.00% 25.6% 51.3% 0.00%	0 999 3PR Forecast 2034.3 25.0% 12,450 11.7% 61 78.24% 8.16% 13.60% 43 1.5 0.05% 0.00% 25.6% 0.00%	JPR Fore 203 25. 13, 11. 5, 41. 78.2 7.8 13.9 0.5 0.0 25. 51.

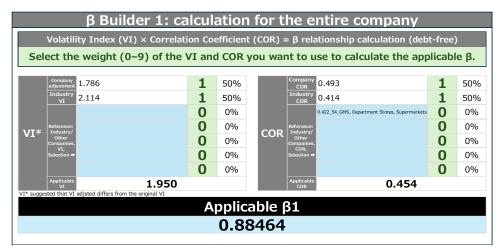
Source: Compiled by JPR based on company data.

This report is prepared by J Phoenix Research Inc. ("JPR") for the purpose of providing information to investors and is not intended as a solicitation to buy or sell securities. JPR shall not be liable for any consequences, including any direct or indirect damages, resulting from the use of or reliance on this report. The responsibility for securities and other transactions rests solely with the investor. Please refer to the last page of this report for more information on precautions.

Appendix 2. WACC calculation procedure

WACC calculation process

Beta = VI (volatility index) x COR (correlation coefficient), where VI is the standard deviation of individual stock returns divided by the standard deviation of TOPIX returns and COR is the standard deviation of individual stock returns divided by the correlation coefficient of TOPIX returns. For each, a weighted average of the individual stock and industry is used from a statistical perspective. The weighted averages in this document can be found in the table below. Calculated on a daily basis over the past five years in this document. β is all debt-free β . RP: risk premium, RFR: risk-free rate (10-year government bond yield, source: Ministry of Finance), leverage: estimated risk-increasing effect of borrowing, calculated as $1 + (1 - TaxRate) \times D/E$. Leveraged β = Leverage α 0 Debt-free α 0, where D is debt outstanding in the previous quarter, E is market capitalization on the calculation date, COE: Cost of Equity = β 1 x Leverage α 2 RP + RFR. Stock prices are based on daily data for the past 5 years. The WACC calculation method used in this document is described in detail below.



βBu	ilder 2	2: Calculation for Nev	v Bus	iness
We	ighting ba	sed on β of similar industries to the	new busi	ness
	Company B2	0.898	1	50%
	Industry β2	0.875	1	50%
			0	0%
00	Reference: Industry/		0	0%
β2	Other Companies,		0	0%
	β2, Selection →		0	0%
			0	0%
	Applicable β2	0.89		

βus	sed for calcula	tion		
β1	0.8846			
E: Market Cap (100 mil yen)	D: Interest-bearing debt (100 mil yen)	TaxRate		
158.4	2.3	30.5%		
RP	RFR(2024-07-31)	Leverage		
8.863%	1.07%	1.010		
COE	Historical interest paid	COD		
8.99%	0.00%	0.00%		
D/(D+E)	E/(D+E)	D/E		
1.43%	98.6%	1.5%		

The formula for β is β = VI × COR. VI (Volatility Index) is the standard deviation of individual stock returns divided by the standard deviation of TOPIX returns, and COR (correlation coefficient) is the correlation coefficient of individual stock returns divided by the standard deviation of TOPIX returns. Calculations are based on daily data from the past five years, and all 8 values are unleveraged. RP refers to the Risk Premium, and RFR is the Risk-Free Rate, represented by the 10-yac government bond yield (source: Ministry of Finance). Leverage, which estimates the risk amplification effect of borrowing, is calculated as 1 + (1 - TaxRate) × D/E, where D is the interest-bearing debt balance for the latest quarter and E is the market capitalization on the calculation date. Leverage β is obtained by multiplying Leverage by Unleverage β . COE, or Cost of Equity, is calculated as β × Leverage × RP + RFR. Stock prices are based on daily data from the past five years.

COE×E/ (E+D) +COD×D/ (E+D) =

WACC

8.86%

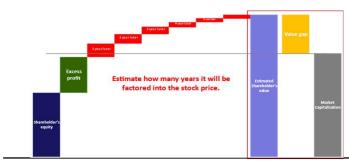
Reference. Basis of Calculation

Corporate value estimated by use of ROIC and excess return

Excess return analysis framework

Excess profit or economic value added is globally used as an indicator to estimate corporate value, evidenced by its adoption by Kao Corporation, a Grand Prix winner of the Tokyo Stock Exchange Fifth Corporate Value Improvement Award (FY2016). In the calculation of excess return, corporate value can be broken down into four elements: invested capital, excess return value, growth value, and non-business assets. This facilitates a better understanding of the structure that creates corporate value. A company might be overvalued or undervalued when its market cap is higher or is lower than its theoretical corporate value, respectively. The contribution of each year's corporate value can be visualized in the following figure, wherein shareholders' equity is simply represented as a sum of invested capital and non-business asset, subtracting interest-bearing debts. The figure below allows us to estimate how many years of growth might be incorporated into the stock price.

Breakdown of corporate value using excess return



[source] JPR

Estimated excess return is profit that exceeds investors' return expectations against invested capital. Its present value is "excess return value," while a potentially growing portion of excess return is "growth value." Moreover, assets not used in business are added as non-business asset value in estimating a theoretical corporate value. Theoretically, the estimated corporate value using excess return should be the same as the value estimated using the discount cash flow (DCF) model. This report calculates excess return by using the following figures in a simplified manner.

•Excess return = NOPAT - Invested capital X WACC

•Net Operating Profit After Tax (NOPAT) = Operating profit X (1 - Effective tax rate)

•Invested capital = Total assets – Non-business assets – Current liabilities excluding Interest-bearing debt
•Non-business assets = Cash and deposits exceeding 10% of sales + Short-term investment securities + Investment
securities + Deferred gains or losses on hedges + Land revaluation difference + Foreign currency translation

adjustments - Weighted average cost of capital (WACC) = After-tax interest rate of interest-bearing debt X(D/(E+D)+Cost of shareholders' equity X(E/D+E)

•Cost of shareholders' equity=0.5%+5%Xβ

 $\cdot \beta$ = Slope of a linear regression line of five-year daily returns of TOPIX and the stock price of the target company $\cdot E$ = Market cap at the time of calculation

•D = Short-term interest-bearing debt + Long-term liabilities + Minority interests in the latest financial statements at the time of calculation

Disclamer

