

Material for
Financial Results Presentation
For the Six Months Ended
September 30, 2022

Akinori Higuchi, President & CEO
Sanyo Chemical Industries, Ltd.

Securities code: 4471

Sanyo
Chemical

<Notice>

Yen amounts described in this presentation material are rounded down to the nearest unit.
Other figures such as ratios are rounded off.

<Disclaimer>

This presentation material contains forward-looking statements including projections based on the assumptions, forecasts and plans as of November 18, 2022. Actual results may differ significantly from such projections due to risks and uncertainties relating to changes in the global economy, state of competition, foreign currency exchange rates, trends in raw material costs and other factors.

<Inquiries about IR>

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Corporate Planning Division
Sanyo Chemical Industries, Ltd.

E-mail: pr-group@sanyo-chemical.group

Date of Establishment: November 1, 1949

Head Office: Higashiyama-ku, Kyoto-shi

Share Capital: ¥13,051 million

Domestic Branches Offices and Sales & Marketing Offices:

Tokyo, Osaka, Nagoya, Hiroshima, Fukuoka

Domestic Factories:

Nagoya, Kinuura, Kashima, Kyoto, Kawasaki (San Chemical)

Number of Employees (Consolidated Basis):

2,123 (as of September 30, 2022)

Line of Business:

Manufacturing & sales of approx. 3,000 types of performance chemicals

**Sanyo
Chemical**

Sanyo Chemical Group

Domestic

Overseas

Logistics and Service
Subsidiaries

- Consolidated Subsidiaries
- Entities Accounted for Using the Equity Method

- SDP Global Co., Ltd.
- SAN NOPCO LIMITED
- San-Apro Ltd.
- San Chemical Co., Ltd.
- San-Petrochemicals Co., Ltd.
- APB Corporation



- Sanyo Kasei (Nantong) Co., Ltd.
- SANYO CHEMICAL (SHANGHAI) TRADING CO., LTD.
- San-Dia Polymers (Nantong) Co., Ltd.



- Sanyo Kasei Korea, Ltd.



- Sanyo Kasei (Thailand) Ltd.



- Sanyo Chemical America Incorporated
- Sanyo Chemical Texas Industries, LLC
- Sunrise Chemical LLC



- SDP GLOBAL (MALAYSIA) SDN. BHD.

- Sanyo Chemical Logistics Co., Ltd.
- Shiohama Chemicals Warehouse Co., Ltd.

Other Subsidiaries and Affiliates:

SANYO KASEI (TAIWAN) LTD. Sanyo Chemical Manufacturing Korea, Ltd. San Nopco (Korea) Limited
 San Nopco (Shanghai) Trading Co., Ltd. DaXiang International Trading (Shanghai) Co., Ltd.

Domestic Production Bases



Kyoto Factory, Head Office and Research Laboratory
(Higashiyama-ku, Kyoto, Approx. 26,000 m²)



Kashima Factory
(Kamisu-shi, Ibaraki, Approx. 130,000 m²)



Nagoya Factory
(Tokai-shi, Aichi, Approx. 100,000 m²)




Kinuura Factory
(Handa-shi, Aichi, Approx. 140,000 m²)




San Chemical Co., Ltd., Kawasaki Factory
(Kawasaki-shi, Kanagawa, Approx. 11,000 m²)

Overseas Production Bases

 Sanyo Kasei (Nantong) Co., Ltd.



 San-Dia Polymers (Nantong) Co., Ltd.



 Sanyo Chemical Manufacturing Korea, Ltd.



SDP GLOBAL (MALAYSIA) SDN. BHD.



Sanyo Kasei (Thailand) Ltd.



Sanyo Chemical Texas Industries, LLC

Overseas Sales Offices

 SANYO CHEMICAL (SHANGHAI) TRADING CO., LTD.
San Nopco (Shanghai) Trading Co., Ltd.
DaXiang International Trading (Shanghai) Co., Ltd.




 Sanyo Kasei Korea, Ltd.
San Nopco (Korea) Limited

 Sanyo Chemical America Inc.



 SANYO KASEI (TAIWAN) LTD.

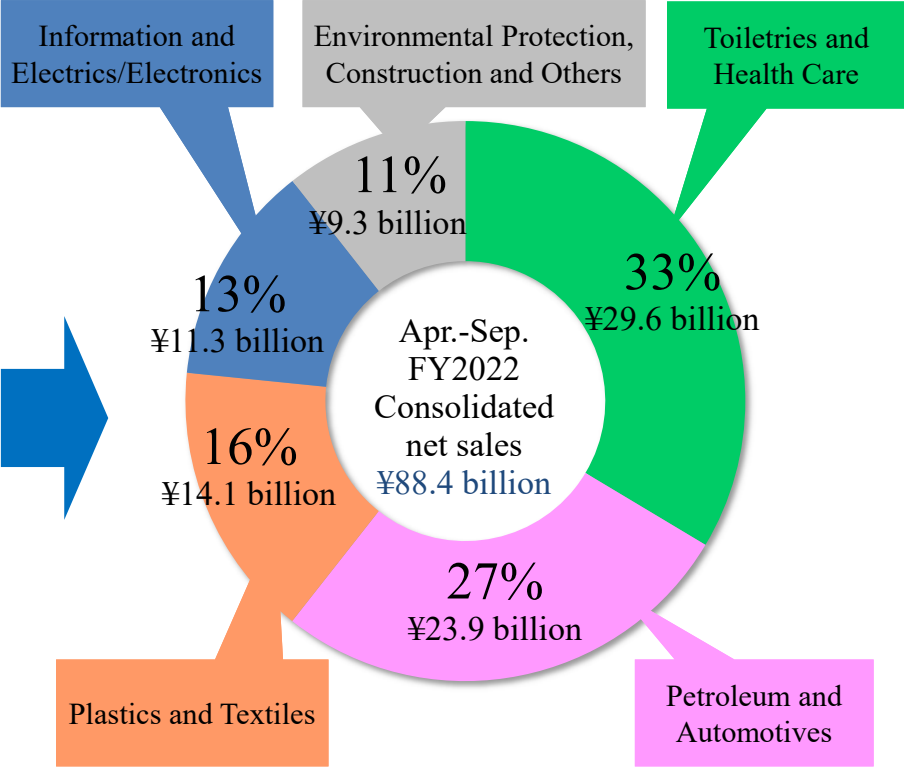
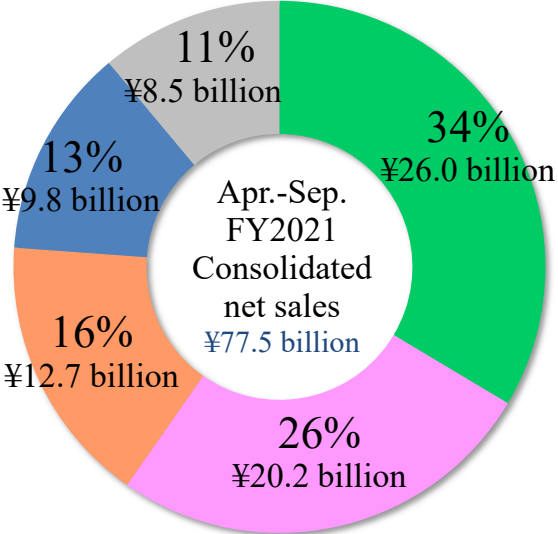
 Sanyo Kasei (Thailand) Ltd.



Principal Products by Industrial Field (Segment)

Broad category	Middle category	Principal products
Toiletries and Health Care	Toiletries	Surfactants for Detergents, Surfactants for Hair Care Products, Agents for Paper-making
	Health Care	Superabsorbent Polymers (SAP), Raw Materials for Pharmaceuticals, Germicides/Disinfectants, Surgical Hemostatic Agent, Clinical Diagnostic Reagents for Enzyme Immunoassay (EIA), Potting Resins for Artificial Kidneys
Petroleum and Automotives		Thermoplastic Polyurethane Beads (TUB) for the Interior Parts of Automobiles, Raw Materials for Polyurethane Foams (PPG), Lubricant Additives, Additives for Fuel Oil, Water-Soluble Cutting Oil, Halogen-Free Cleaning Agents, Base Materials for Synthetic Lubricants, Paste Resins for Design Models, Resins for Automobile Paints
Plastics and Textiles	Plastics	Permanent Antistatic Agents, Pigment Dispersants, Resin Modifiers, Paint Resins, Defoaming Agents, Raw Materials for Polyurethane Elastomers, Chemical Boards for Models
	Textiles	Chemicals for Textile Manufacturing, Chemicals for Carbon Fibers, Chemicals for Fiberglass, Polyurethane Resins for Artificial and Synthetic Leather
Information and Electrics/Electronics	Information	Polyester Beads (PEB) Used as a Core Component of Polymerization Toners, Toner Binder
	Electrics/Electronics	Electrolytes for Aluminum Electrolytic Capacitors, Adhesive for Electronic Parts, Chemicals for Use in Electronic Parts Manufacturing, UV/EB Curing Resins
Environmental Protection, Construction and Others		Polymer Flocculants for Wastewater Treatment, Cationic Monomer, PPG for Furniture and Heat Insulating Materials, Slurry Chemicals, Reactive Hot-Melt Adhesives, Raw materials for Building Sealants, Cement Chemicals

Consolidated Net Sales by Segment



Earnings for Apr.-Sep. FY2022

(Billions of yen)

Consolidated	Apr.-Sep. FY2021	Apr.-Sep. FY2022	Year-on-Year Change	
			Amount	Ratio (%)
Net sales	77.51	88.43	10.92	14
Operating profit	5.91	3.93	(19.80)	(34)
Ordinary profit	6.86	7.36	0.50	7
Profit attributable to owners of parent	4.41	4.71	0.30	7
Comprehensive income	4.24	6.32	2.08	49

Revision of Earnings Forecast (September 29, 2022)

We have revised our forecast due to a decrease in sales volume caused by sluggish sales to the automobile industry and delays in product price revisions in response to soaring oil prices.

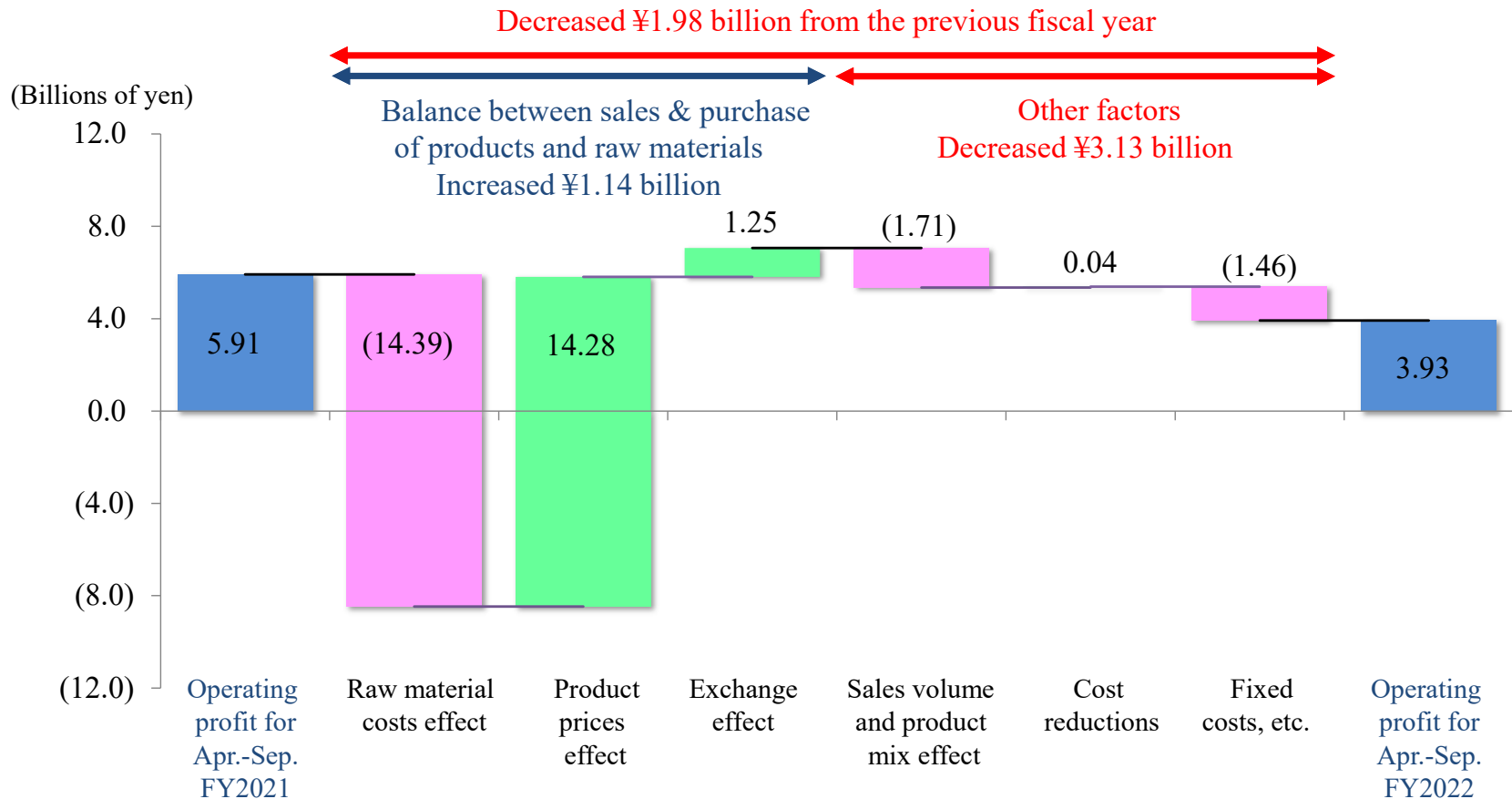
<Assumptions for below forecasts>

Price of naphtha produced in Japan: 72 thousand yen/kl, Exchange rate: 140 yen/U.S. dollar

(Billions of yen)

Consolidated	Initial forecast		Revised forecast (September 29)		Change amount	
	First half year	Full year	First half year	Full year	First half year	Full year
Net sales	98.5	206.0	89.0	184.0	(9.5)	(22.0)
Operating profit	5.5	12.5	4.0	11.0	(1.5)	(1.5)
Ordinary profit	5.7	13.0	6.2	13.5	0.5	0.5
Profit attributable to owners of parent	3.7	8.5	4.2	9.0	0.5	0.5
Basic earnings per share	167.73 yen	385.32 yen	190.34 yen	407.93 yen	—	—

Year-on-Year Change in Consolidated Operating Profit by Factor



Year-on-Year Change in Consolidated Profit by Factor

(Billions of yen)

	Apr.-Sep. FY2021	Apr.-Sep. FY2022	Change amount
Operating profit	5.91	3.93	(1.98)
Share of profit (loss) of entities accounted for using equity method	0.38	0.48	0.10
Foreign exchange gains (loss)	0.09	2.62	2.52
Other non-operating income (loss)	0.46	0.32	(0.14)
Ordinary profit	6.86	7.36	0.50
Gain (loss) on sales of non-current assets, loss on retirement of non-current assets	(0.45)	(0.59)	(0.13)
Other extraordinary income (loss)	0.02	(0.09)	(0.11)
Profit before income taxes	6.43	6.68	0.25
Income taxes	(1.79)	(1.68)	0.11
Profit attributable to non-controlling interests	(0.21)	(0.28)	(0.06)
Profit attributable to owners of parent	4.41	4.71	0.30

Consolidated Balance Sheet

(Billions of yen)

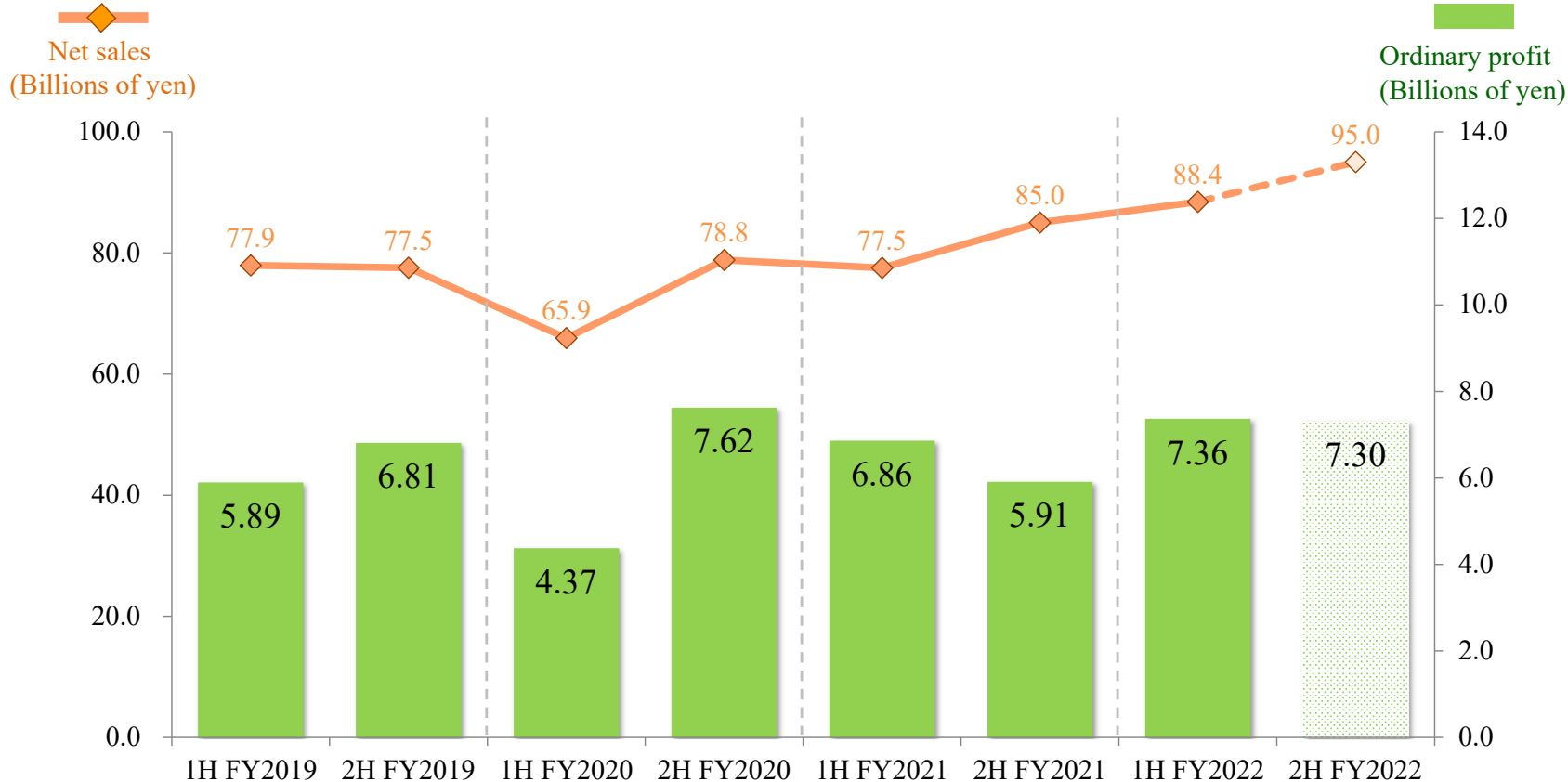
	March 31, 2022	September 30, 2022	Change amount	Main factors for changes
Current assets	93.7	101.5	7.7	Cash and deposits: (1.0), Notes and accounts receivable - trade, Electronically recorded monetary claims - operating: 2.1, Merchandise and finished goods: 4.2
Non-current assets	106.4	109.7	3.2	
Total assets	200.1	211.2	11.0	
Current liabilities	47.9	54.9	6.9	Accounts payable - trade, Electronically recorded obligations - operating: 6.7
Non-current liabilities	5.2	4.7	(0.5)	
Total liabilities	53.1	59.6	6.4	
Shareholders' equity	130.2	133.2	3.0	Profit: 4.7, Cash dividends paid: (1.8)
Other comprehensive income	14.2	15.5	1.3	Foreign currency translation adjustment: 1.1
Non-controlling interests	2.5	2.7	0.2	
Total net assets	147.0	151.6	4.5	
Total liabilities and net assets	200.1	211.2	11.0	

Consolidated Statements of Cash Flows

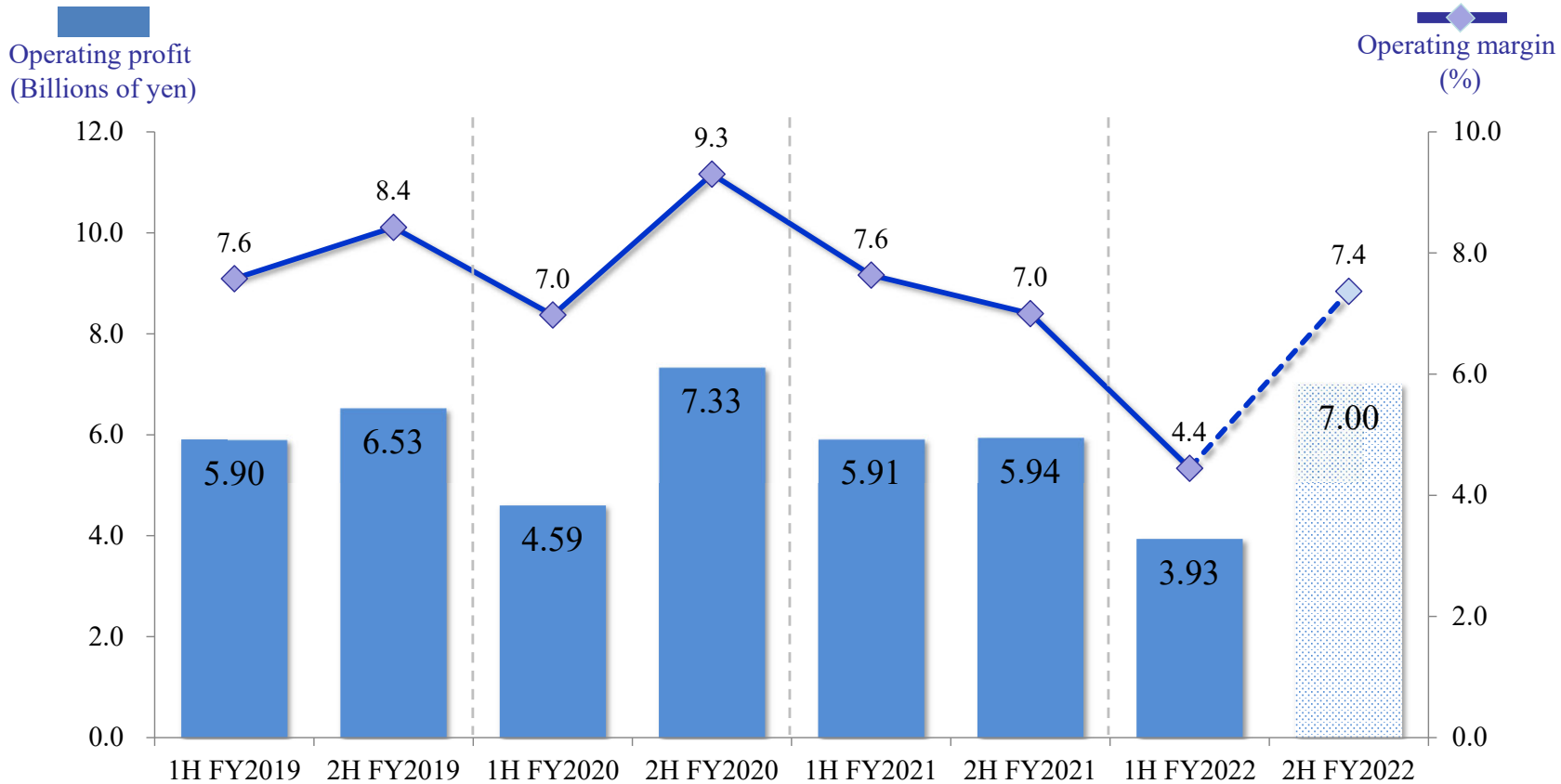
(Billions of yen)

	Apr.-Sep. FY2021	Apr.-Sep. FY2022	Change Amount	Special notes
Cash flows from operating activities	6.83	6.66	(0.16)	
Profit before income taxes	6.43	6.68	0.25	
Depreciation	4.75	5.02	0.26	
Share of loss (profit) of entities accounted for using equity method	(0.38)	(0.48)	(0.10)	
Decrease (increase) in operating capital	(1.67)	(0.83)	0.83	
Income taxes	(1.48)	(2.34)	(0.85)	
Other, net	(0.81)	(1.37)	(0.56)	
Cash flows from investing activities	(5.58)	(6.45)	(0.87)	Purchase of non-current assets 1H FY2021: (4.32), 1H FY2022: (4.86)
Free cash flows	1.25	0.20	(1.04)	
Cash flows from financing activities	(3.45)	(2.15)	1.29	Loans and Repayment 1H FY2021: (1.40), 1H FY2022: (0.09)
Effect of exchange rate change on cash and cash equivalents	0.11	0.52	0.41	
Net increase (decrease) in cash and cash equivalents	(2.08)	(1.42)	0.66	
Cash and cash equivalents at beginning of period	23.64	18.17	(5.47)	
Increase (decrease) in cash and cash equivalents resulting from change in scope of consolidation	—	0.33	0.33	
Cash and cash equivalents at end of period	21.56	17.08	(4.47)	

Trends in Consolidated Earnings (Half Period)



Trends in Consolidated Operating Profit and Operating Margin (Half Period)



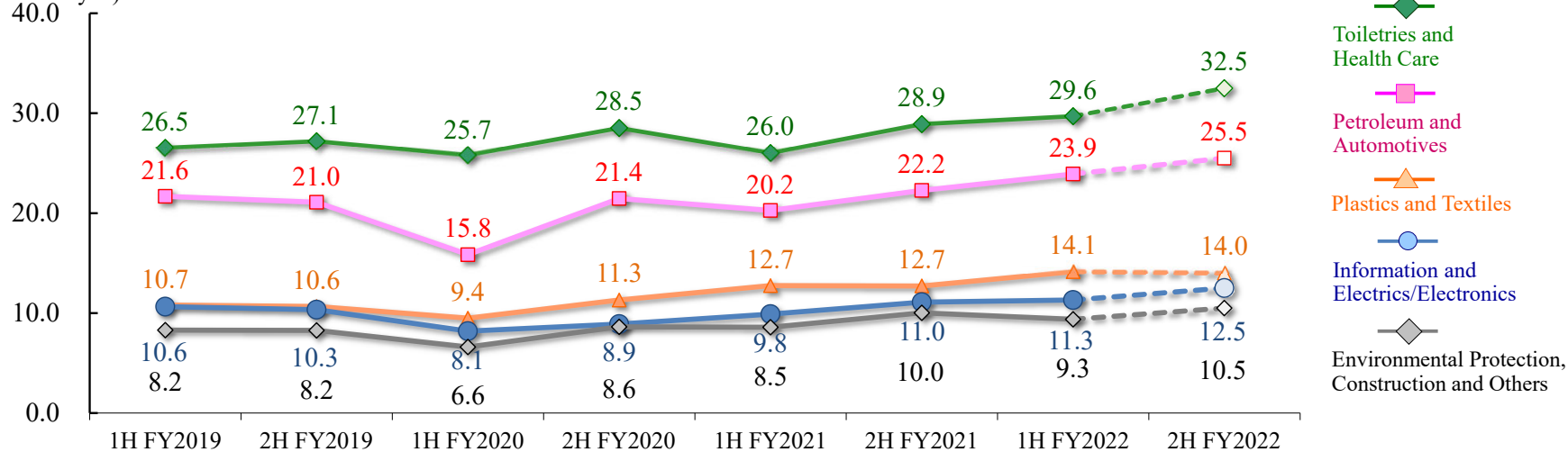
Consolidated Earnings by Segment

(Billions of yen)

Segment	Net sales			Operating profit		
	Apr.-Sep. FY2021	Apr.-Sep. FY2022	Change amount	Apr.-Sep. FY2021	Apr.-Sep. FY2022	Change amount
Toiletries and Health Care	26.01	29.69	3.68	0.65	0.45	(0.20)
Toiletries	6.86	7.34	0.48			
Health Care	19.15	22.35	3.19			
Petroleum and Automotives	20.27	23.91	3.63	2.05	1.32	(0.72)
Plastics and Textiles	12.74	14.14	1.39	2.00	1.40	(0.59)
Plastics	9.30	9.96	0.65			
Textiles	3.43	4.18	0.74			
Information and Electrics/Electronics	9.89	11.30	1.41	1.16	0.88	(0.28)
Information	5.51	6.41	0.90			
Electrics/Electronics	4.38	4.89	0.51			
Environmental Protection, Construction and Others	8.58	9.37	0.78	0.77	0.64	(0.12)
Research and development expenses for new businesses				(0.73)	(0.77)	(0.03)
Total	77.51	88.43	10.92	5.91	3.93	(1.98)

Trends in Consolidated Net Sales by Segment (Half Period)

(Billions of yen)

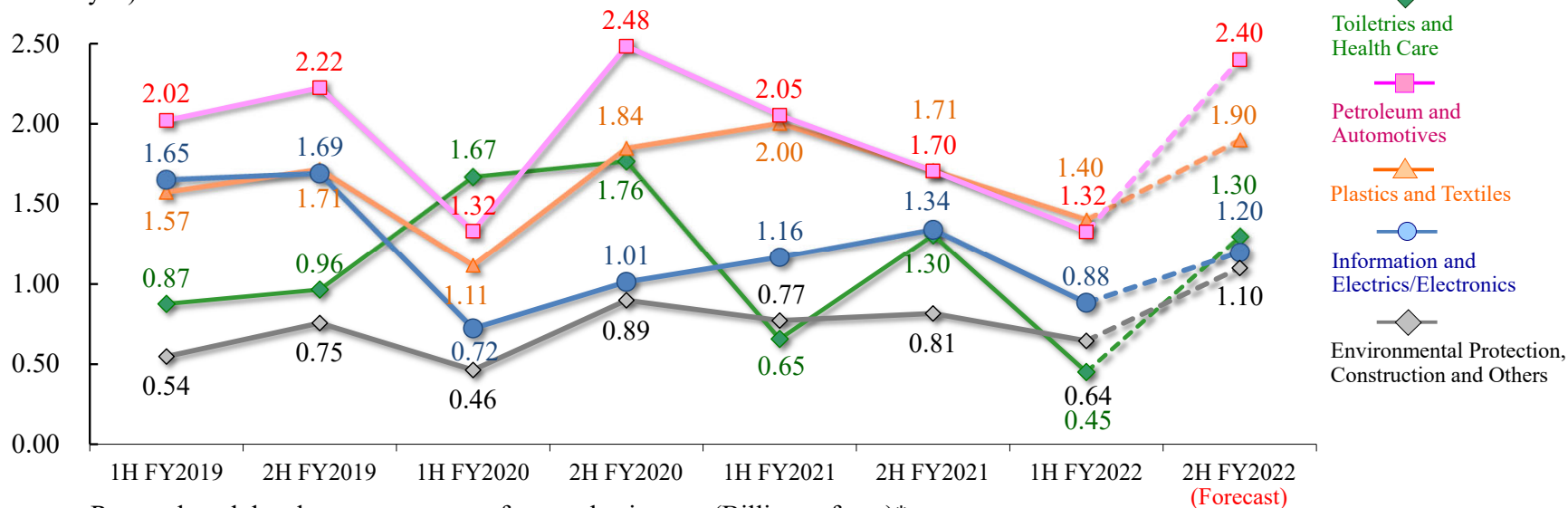


Main factors for changes in 1H FY2022 earnings (compared with the same period of the previous fiscal year)

- Toiletries and Health Care** : Although demand for PEG declined due to the lockdown in China, sales of surfactants for hair care products increased and sales of agents for paper-making were firm. Sales of superabsorbent polymers (SAP) fell mainly in the Chinese market, but sales increased due to price revision caused by soaring raw material prices.
- Petroleum and Automotives** : While demand for polyurethane foams (PPG), thermoplastic polyurethane beads (TUB), and lubricant additives declined due to automobile production cutbacks, sales increased due to price revisions caused by soaring raw material prices.
- Plastics and Textiles** : Sales of permanent antistatic agents were weak. Sales of paint coating agents and additives were strong with increased sales to overseas customers. Chemical for carbon fibers were strong. Sales of polyurethane resins for synthetic leather and elastic fibers were also strong.
- Information and Electrics/Electronics** : Sales of polyester beads (PEB) and toner binder were strong as office printing demand recovered from the downturn caused by the COVID-19 pandemic. Favorable demand for resist materials for semiconductors slowed down. Demand for electrolytes for aluminum electrolytic capacitors increased significantly.
- Environmental Protection, Construction and Others** : Sales of cationic monomers for polymer flocculants for overseas markets increased, while sales of PPG remained flat due to a lull in demand from staying-at-home ran its course.

Trends in Consolidated Operating Profit by Segment (Half Period)

(Billions of yen)



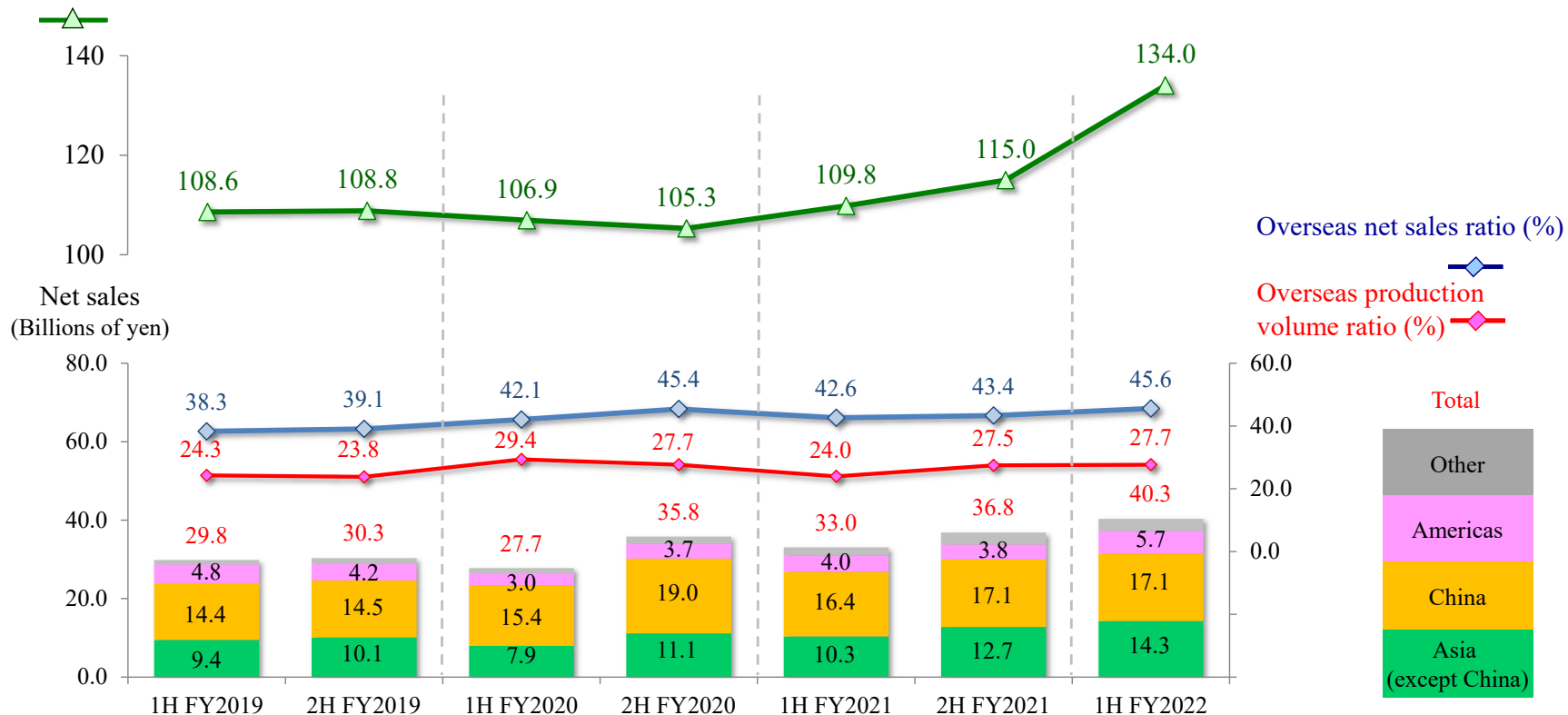
Research and development expenses for new businesses (Billions of yen)*

FY2019		FY2020		FY2021		FY2022	
1H	2H	1H	2H	1H	2H	1H	2H (Forecast)
(0.76)	(0.82)	(0.70)	(0.67)	(0.73)	(0.93)	(0.77)	(0.90)

* Research and development expenses for new businesses, which were allocated to each reportable segments so far, are recorded as corporate expenses in the margin.

Trends in Overseas Net Sales (Half Period)

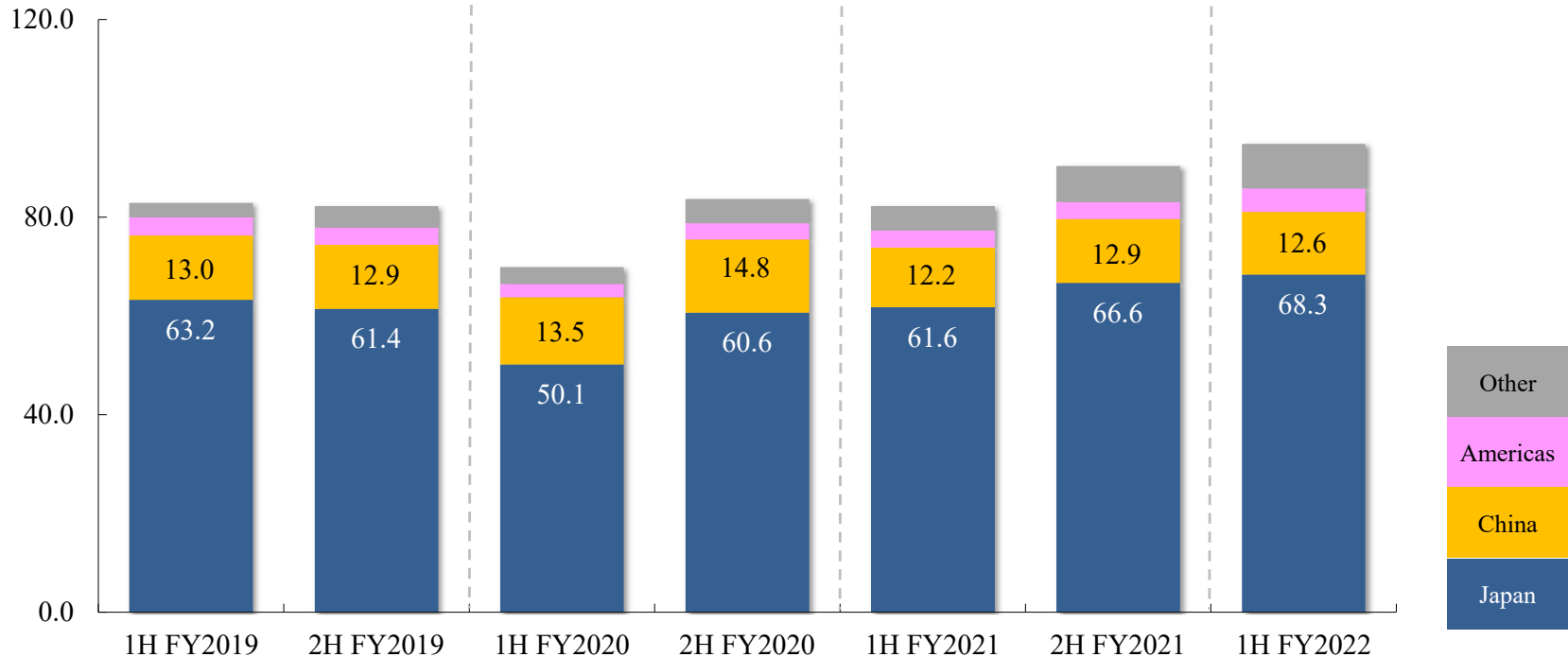
Exchange rate for each period (Yen/U.S. dollar)



Trends in Consolidated Net Sales by Geographic Segments

(Simple Addition)

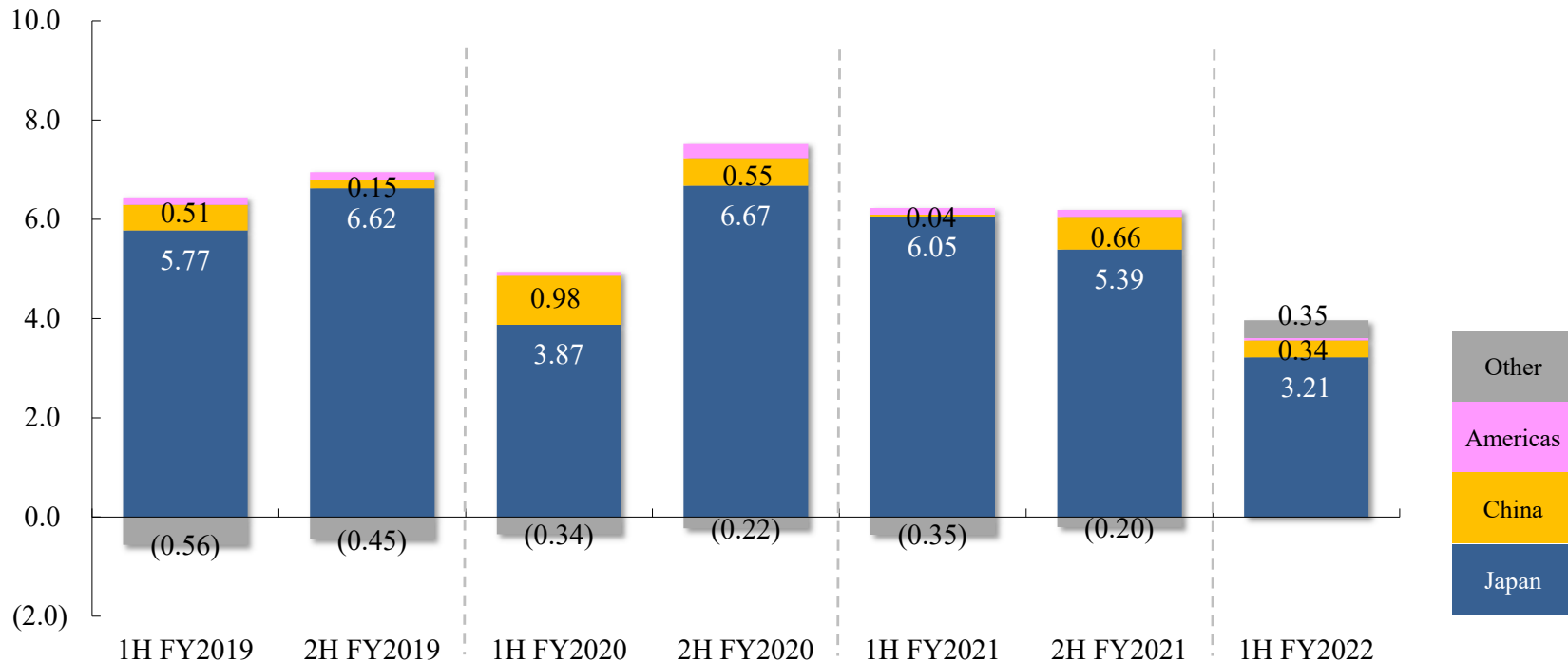
(Billions of yen)



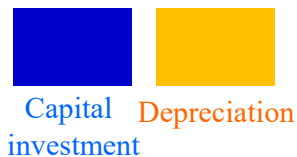
Trends in Consolidated Operating Profit by Geographic Segment

(Simple Addition)

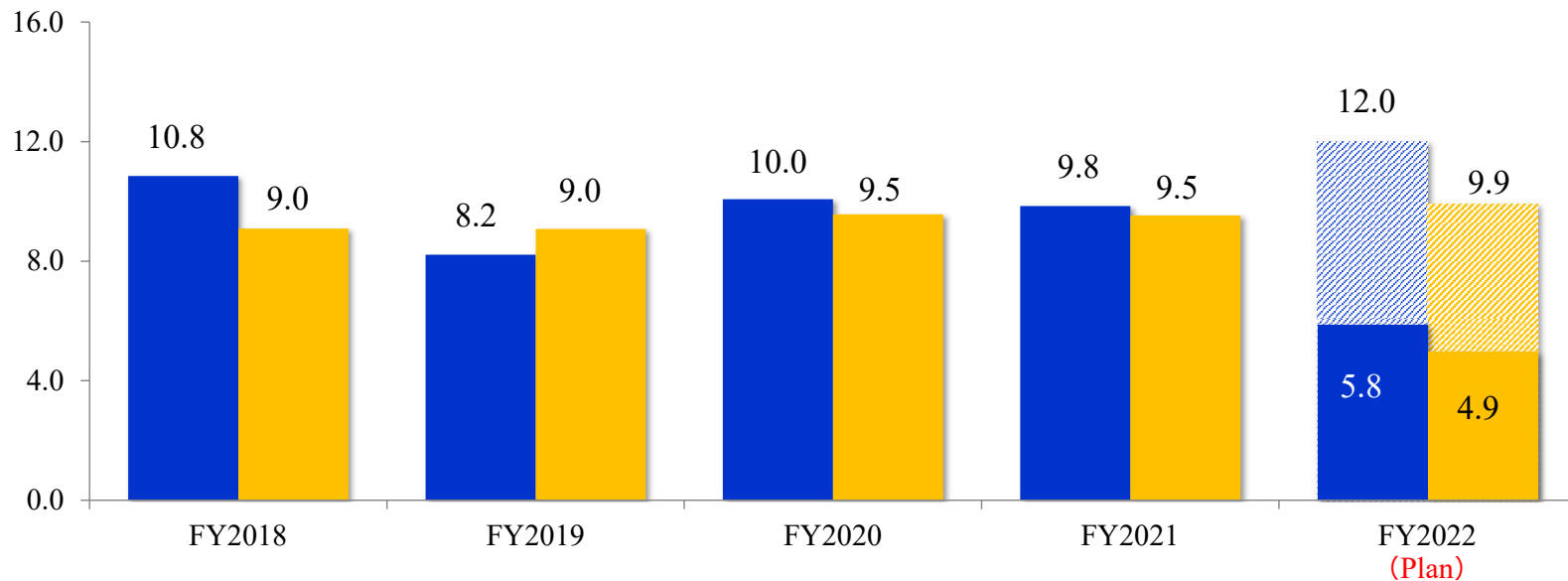
(Billions of yen)



Capital Investment and Depreciation (Consolidated)



(Billions of yen)



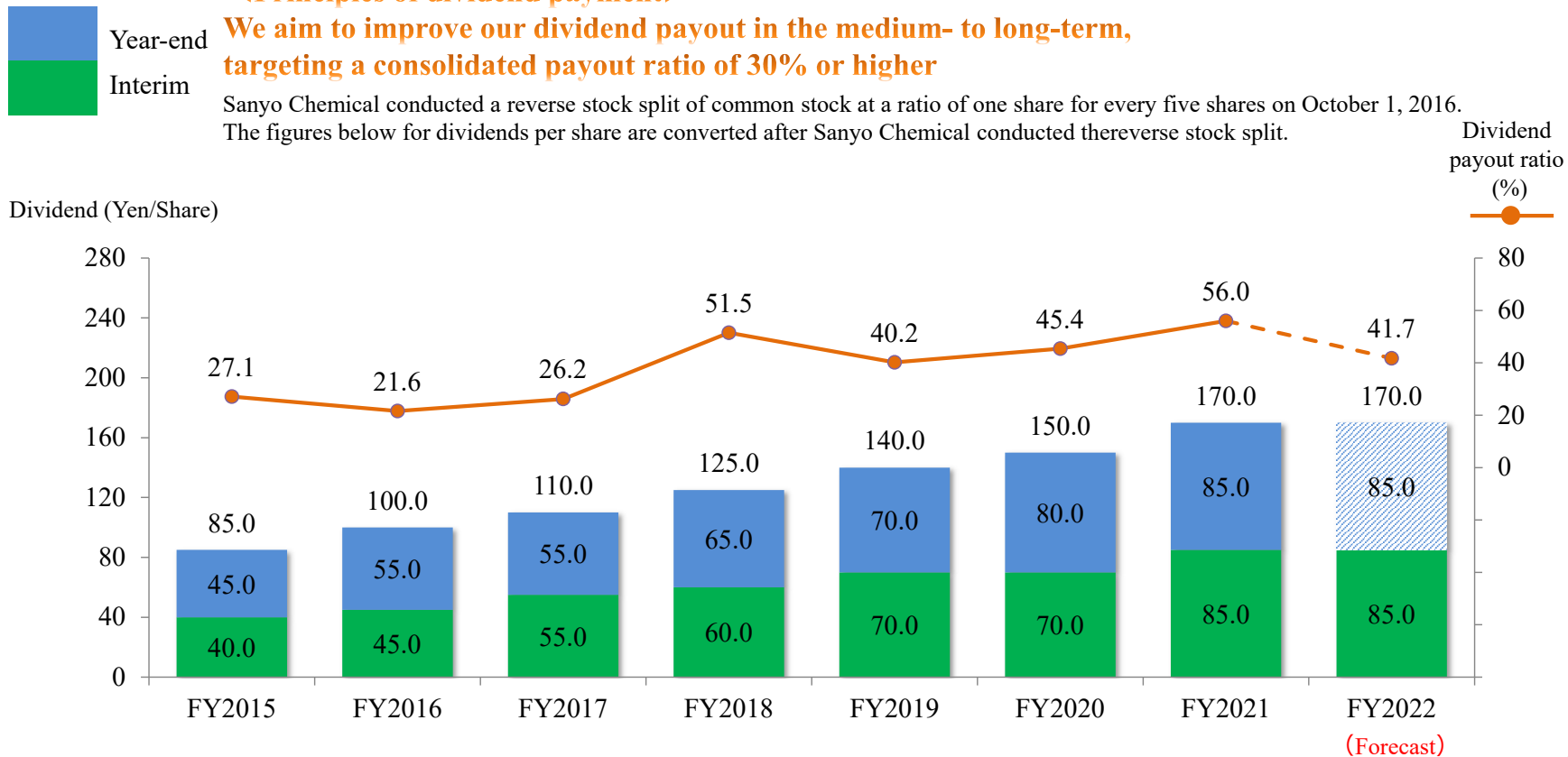
Trends in Dividend per Share and Dividend Payout Ratio (Consolidated) **Sanyo Chemical**

Total

<Principles of dividend payment>

We aim to improve our dividend payout in the medium- to long-term, targeting a consolidated payout ratio of 30% or higher

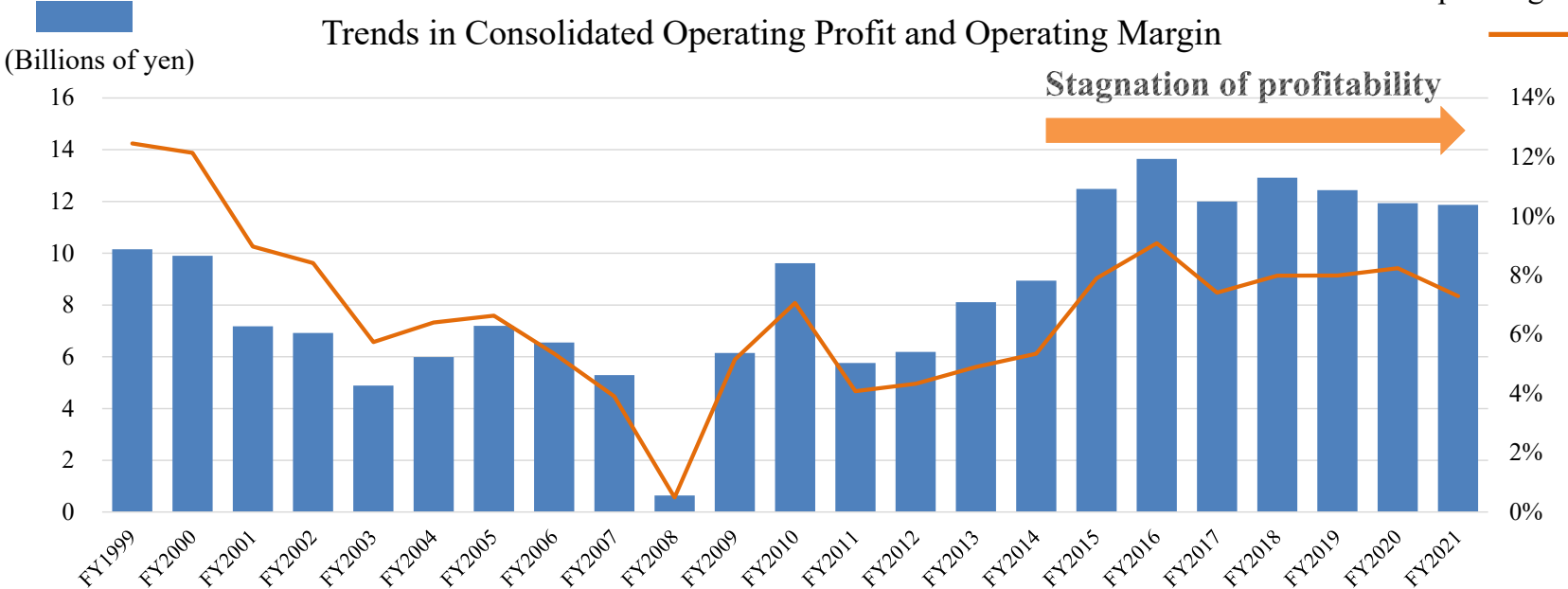
Sanyo Chemical conducted a reverse stock split of common stock at a ratio of one share for every five shares on October 1, 2016. The figures below for dividends per share are converted after Sanyo Chemical conducted thereverse stock split.



Situation of the company

Consolidated operating profit

Operating margin



Operating profit growth has been sluggish for the last five years, and there is an urgent need to improve profitability.

The foundation for profit growth in FY2024 will be Profit growth will be centered on conventional businesses with niche, high value-added products.

- Thorough elimination of waste
- Increase production and sales of high value-added products
- Improve profitability of low-profit products
(product integration, process improvement, etc.)

Implement mid- to long-term measures to improve profitability in parallel.





- Fundamental reform of production system through renovation of production facilities, etc.
 - * Facility maintenance costs exceeding ¥6 billion/year







Thoroughly develop a corporate structure that generates cash.





Material Issues

Our mission is to establish a better society through our corporate activities since the foundation. Sanyo Chemical Group will realize sustainable growth towards future by enhancing both economic and social values in close cooperation with all the stakeholders.

Classification	Material Issues	Our Approach
<p>Environment</p> <ul style="list-style-type: none"> Support the environment by creating an environment friendly circular-oriented society 	<p>Achieve carbon neutrality as Interface Innovator*¹</p> 	<p>Contribute to carbon neutrality with the interface control technology</p> <ul style="list-style-type: none"> ○New batteries : Develop functional agents ○Power semiconductors : Improve functionality on GaO-based semiconductors ○CO₂ recovery : Develop a new system by utilizing interfacial chemistry ○Agriculture : Reduce the environmental impact with Peptide agriculture ○Wind power : Develop carbon fiber convergents for wind turbine blades ○Automotive : Improve gasoline consumption with lubricant additives <p>Increase the efficiency of energy use with aluminum electrolytic capacitors</p> <ul style="list-style-type: none"> ○Plastic recycle : Develop agents for enhancing PP duration during recycling ○Fossil base materials : Replace to natural base raw materials proactively
<p>Life</p> <ul style="list-style-type: none"> Support people and their lives by creating a society where people can live healthy and safely. 	<p>Improve QOL by Performance Through Chemistry*²</p> 	<p>Create value in the medical field through new technologies</p> <ul style="list-style-type: none"> ○Heart disease therapy : Develop safe hemostasis with abiotic-derived hemostat ○Clinical diagnostic reagents : Develop prompt diagnostic reagents to reduce the burden of patients ○Intractable diseases : Develop functional proteins for wound and knee joint healing ○Regenerative medicine : Improve production efficiency of mesenchymal stem cells <p>Create new value that is closely linked to people's lives</p> <ul style="list-style-type: none"> ○Visualization of smells : Develop innovative electronic nose ○People-friendly products : Develop cosmetic ingredients using natural origin raw materials

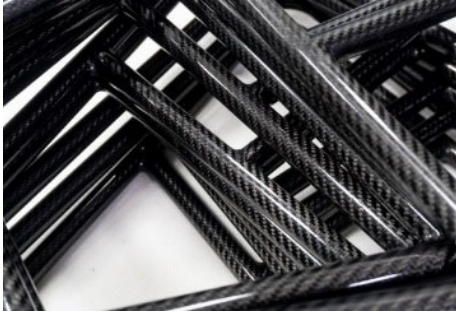
Own classification

Classification	Material Issues	Our Approach
<p>Society</p> <ul style="list-style-type: none"> · Society · Support diversity with creating a society where everyone can shine by their personality. 	<p>Create innovations by supporting value creation of industry, culture and education</p>   	<p>Challenge beyond the boundaries of chemistry with our chemical capabilities</p> <ul style="list-style-type: none"> ○ Utilize “UQ Chem” services to link unused chemical knowhow to untapped needs ○ Support various traditional craft industries of Kyoto with our chemical technologies ○ Promote collaboration and alliances with different fields, and investment on startups ○ Promote DX and MI (Materials Informatics) ○ Carry our on-site chemical classes at elementary and junior high schools ○ Participate in the Kyoto Super SDGs Consortium with Kyoto University
	<p>Develop human resources and improve work environment by recognizing diversity</p>   	<p>Diversity, Equity & Inclusion (DEI) : Facilitate WakuWaku culture</p> <ul style="list-style-type: none"> ○ Promote women’s contribution ○ Promote LGBTQ understanding ○ Join the IKUBOS corporate alliance ○ Promote health management ○ Introduce an internal multiple work system ○ Enhance communication between management and employees: <p>Morning meetings (lectures to all employees), Camps (discussions with senior general managers), One on One (dialogue with general managers), Dojo (hand-down to managers), and Salons (dialogue among mid-level and young employees)</p>

Classification	Material Issues	Our Approach
Governance ・ Retain social trust with transparent management	Conduct the risk management thoroughly by strengthening the Guardian function  	<ul style="list-style-type: none"> ○ Strengthen quality governance by isolating quality assurance from production ○ Establish a management system for reputation risks which may be critical to corporate value ○ Strengthen the legal compliance system ○ Strengthen the safe and healthy system by utilizing the safety education center
	Implement challenge-oriented and transparent management  	<ul style="list-style-type: none"> ○ Promote “WakuWaku Management” : Every department shall be profit-oriented ○ Diversify directors: Women directors (22%→30%) and outside directors (>1/3). ○ Disclose the skills matrix of directors ○ Enhance disclosure of non-financial information ○ Enhance dialogue with shareholders, employees, and other stakeholders ○ Establish the Sustainable Management Committee

We address these issues while realizing “inspiration of WakuWaku feeling from all the stakeholders”, “co-creation of environmental, social and economic values with the stakeholders”, and “facilitation of every employee’s value creation”.

Topics

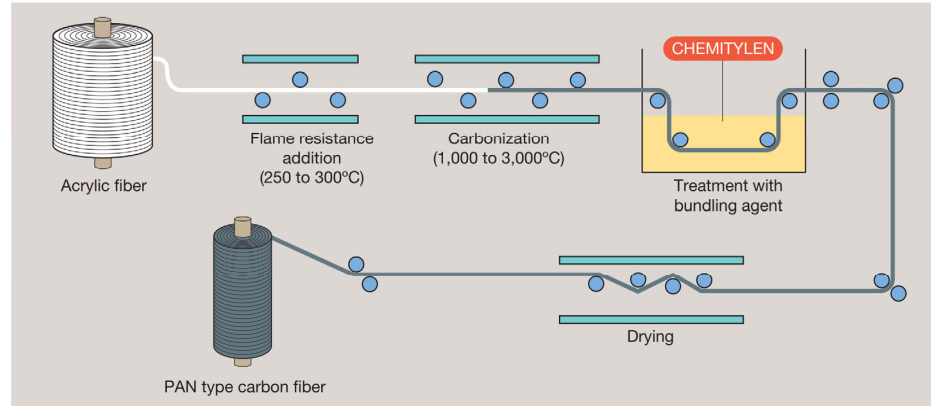


Carbon fiber bundling agent 『CHEMITYLEN』

It is used in the carbon fiber manufacturing process. In recent years, with the increasing demand for renewable energy, carbon fiber has been widely used for wind power generation, and the demand for CHEMITYLEN is also increasing.

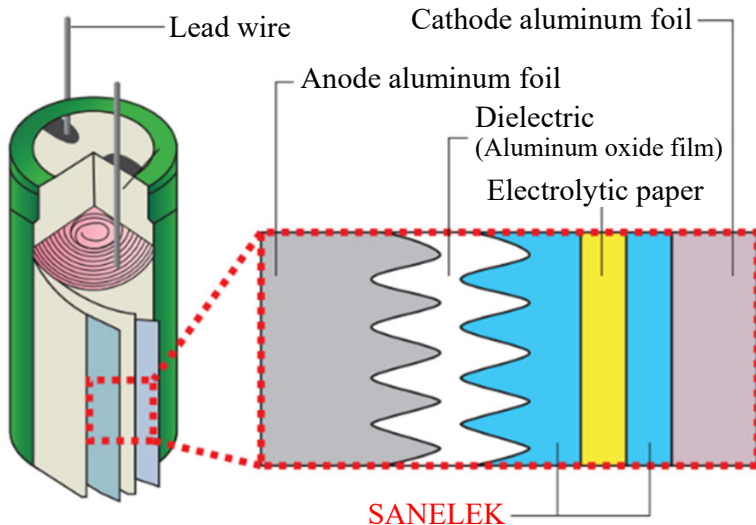
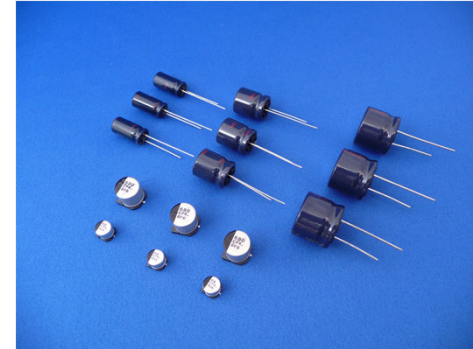
Sanyo Chemical invests approximately ¥700 million and starts operations in May 2024, increasing capacity by approximately 50% from the current production capacity.

By 2030, we will raise our current sales to about double the current level.



Electrolyte Solution for Aluminum Electrolytic Capacitors 『SANELEK』

The electrolyte uses an amidine compound originally developed by Sanyo Chemical, which neutralizes and eliminates the generated alkali while maintaining the ionic transfer rate. SANELEK overcame leakage, the biggest problem in the capacitor industry.



To respond to a rapid increase in demand for capacitors, such as the electrification of automobiles and the expansion of EVs, the plant will increase its capacity by about 30% with an investment of about ¥400 million.



Appearance of the new plant

Permanent antistatic agent 『PELESTAT』 『PELECTRON』

Increased demand mainly for packaging and transport material applications for electronic devices and precision components, as well as expansion of applications such as explosion-proof applications.

New manufacturing facility at affiliated company Sanyo Kasei (Thailand) Ltd. begins operations.

Total investment: ¥3.4 billion

Production capacity: 1,500 tons/year

(Total production capacity in Japan and Thailand is 4,700 tons/year)

To increase profits from conventional businesses that are niche, high value-added products.

FUJIFILM Sanyo Chemical Healthcare Corporation began manufacturing diagnostic agents in October.
(Established in June 2022, FUJIFILM Corporation 51%, Sanyo Chemical 49%)

**Manufacture of specialized reagents
for Accuraseed[®], an automated
chemiluminescent enzyme immunoanalyzer.**



**FUJIFILM Wako Pure Chemical Corporation and Sanyo
Chemical combined both facilities, human resources, and manufacturing
know-how to achieve high productivity and further speed up decision-making
under integrated organizational management.**

— Outline of FUJIFILM Sanyo Chemical Healthcare Corporation —

Head Office : Miegun Komonocho, Mie

Representative : Yoshihiro Okada

Capital : 100 million yen (FUJIFILM Corporation 51%, Sanyo Chemical 49%)

Established : June 17, 2022

Active materials covered with polymer interface for all polymer batteries

All Polymer Batteries to be operated and commercialized at APB Corporation.



Sanyo Chemical's Role in the All Polymer Batteries

APB Corporation : Management of all polymer batteries business operations, mass production, etc.

Sanyo Chemical : Dedicated to supplying key material of active materials coated with polymer and contributes to enhance performance.

Sanyo Chemical focuses on the battery-related field as a growth field.

Multifaceted study of new material development with interface control technology as core technology.

ex.) Development of organic cathode materials for lithium-ion batteries.

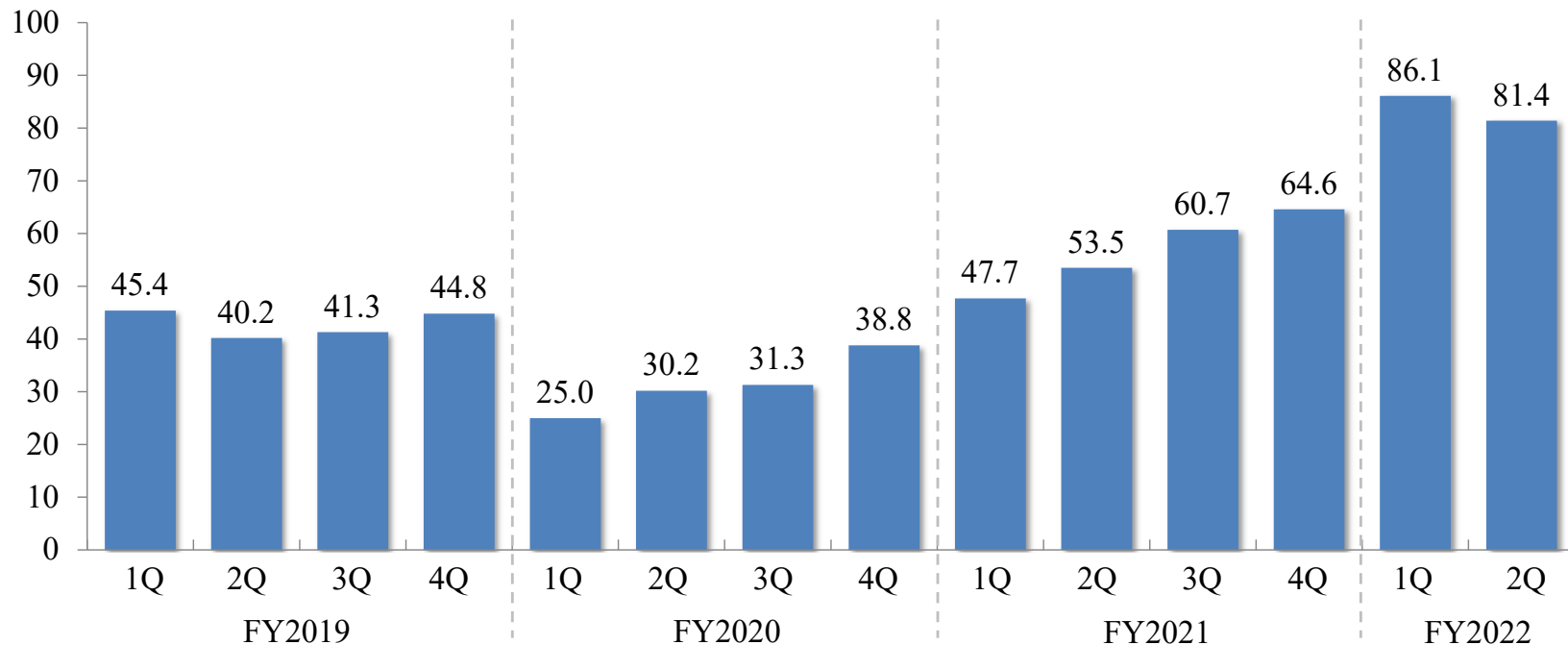
Collaboration with another company (company name withheld) to further reduce weight by changing cathode materials from inorganic to organic materials.

Improve profitability by investing management resources in areas where core technologies can be utilized through "selection and concentration".

Reference

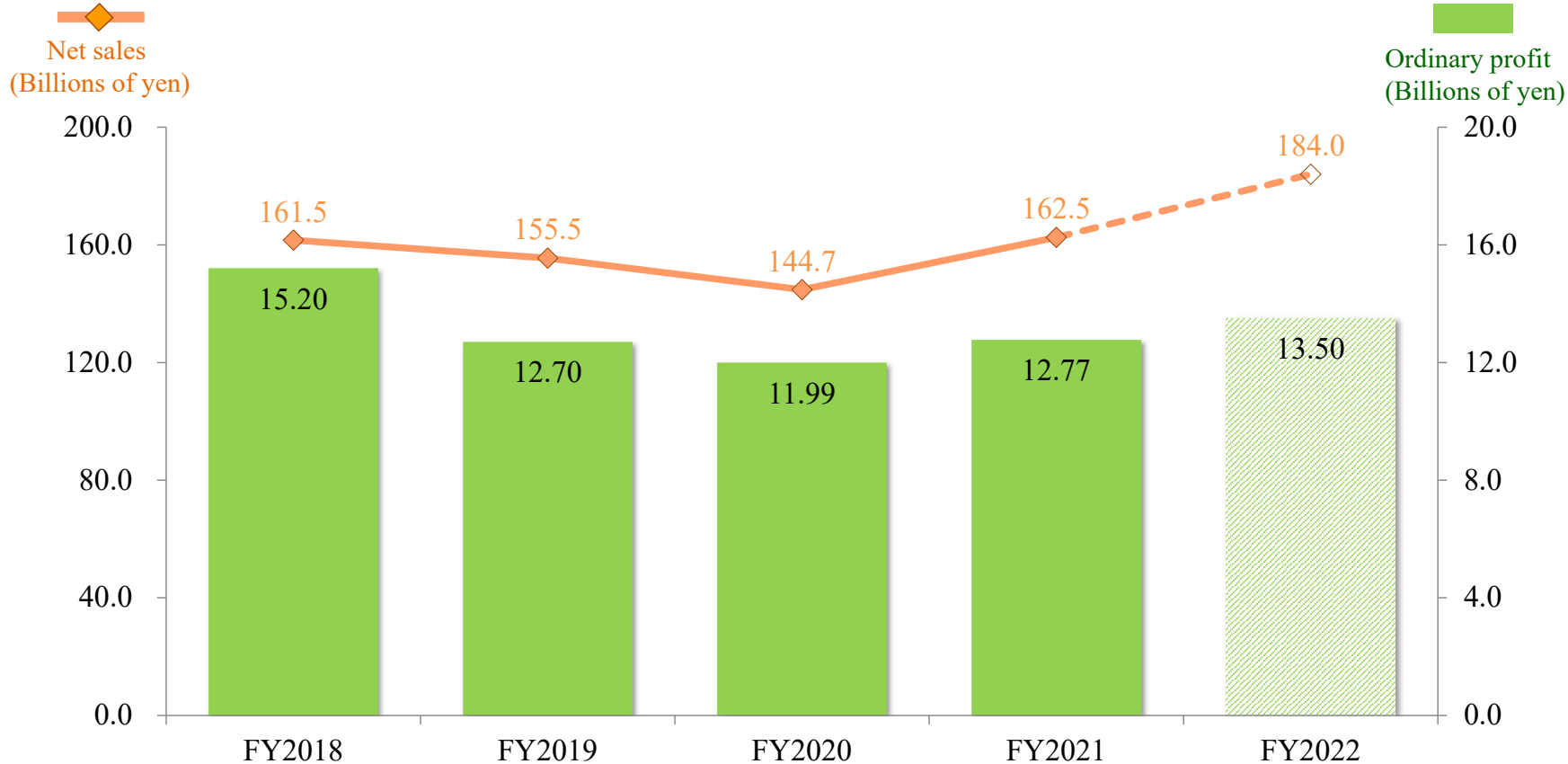
Trends in Price of Naphtha Produced in Japan

Price of Naphtha
(Thousands of yen/kl)



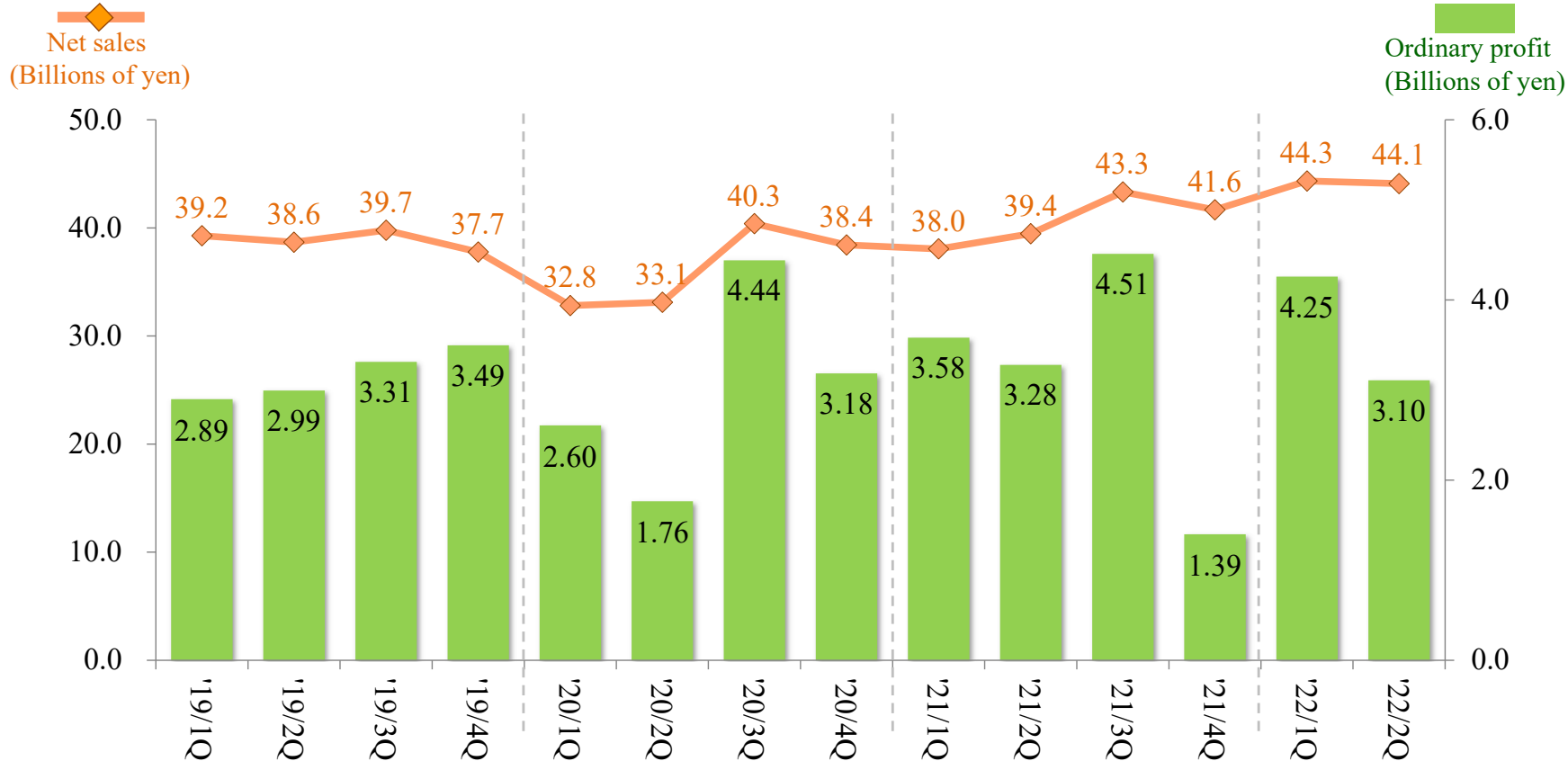
(Source: Trade Statistics of Japan)

Trends in Consolidated Earnings

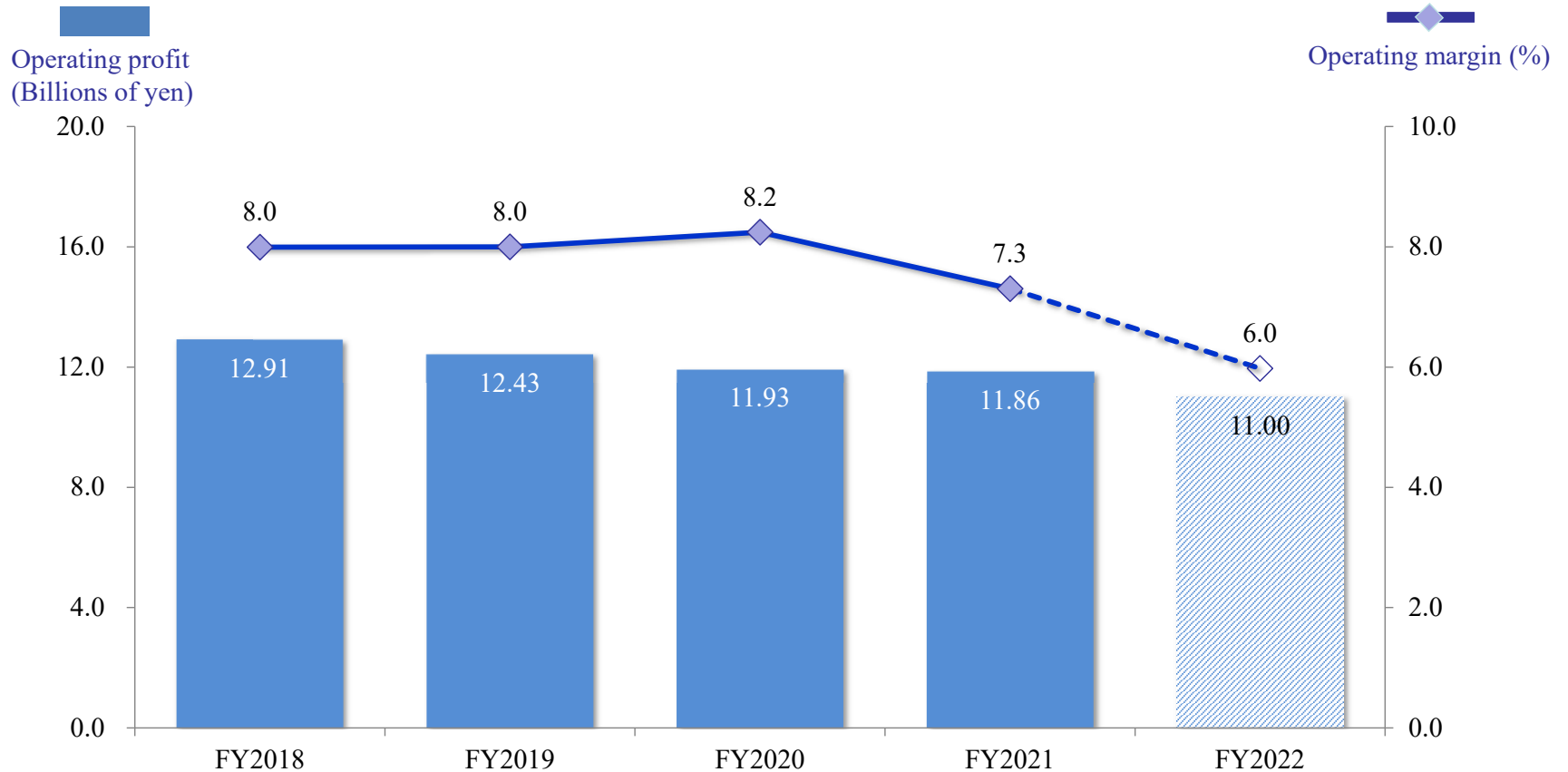


(Revised forecast for September 29)

Trends in Consolidated Earnings (Quarter Period)

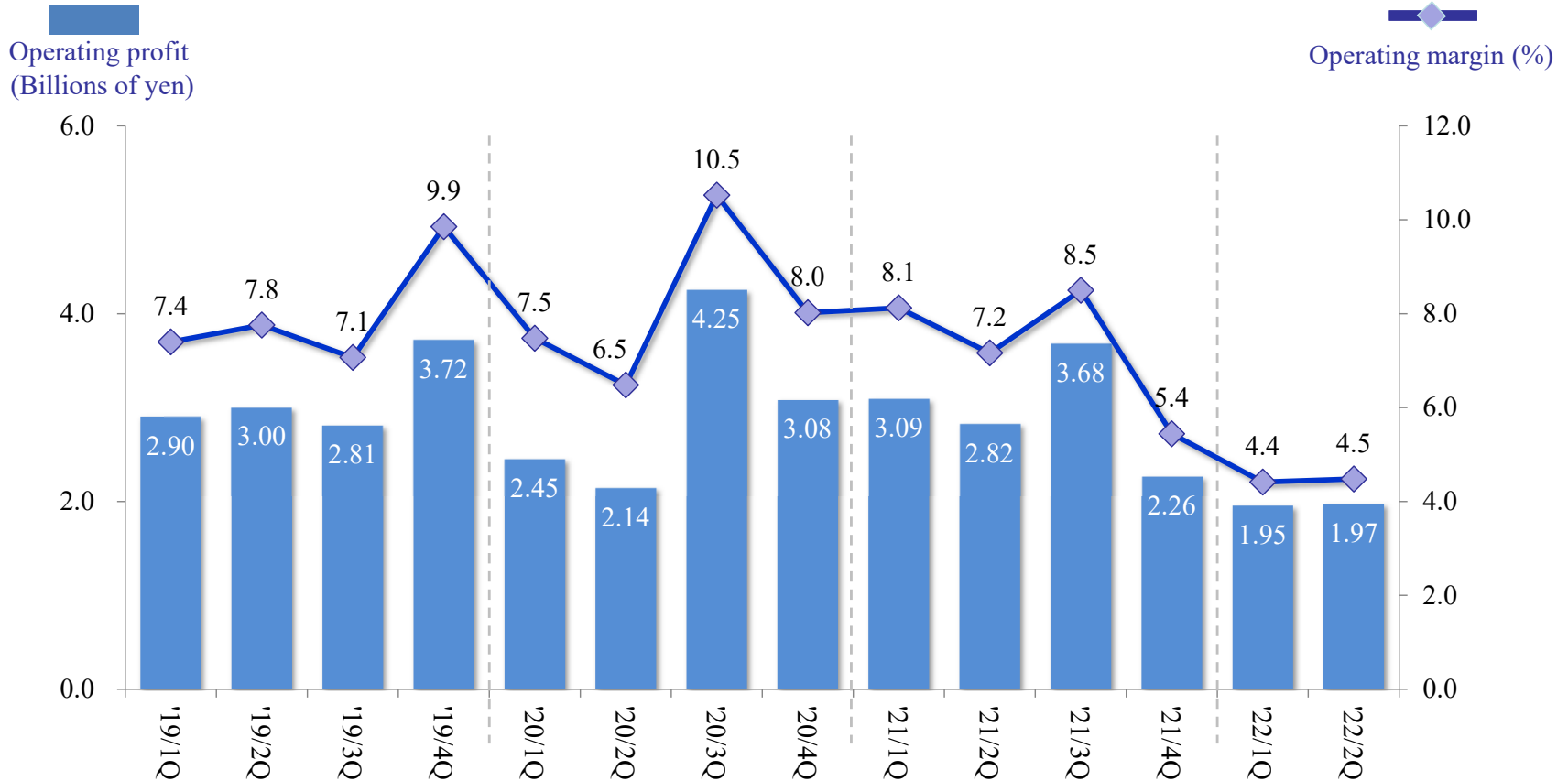


Trends in Consolidated Operating Profit and Operating Margin **Sanyo Chemical**



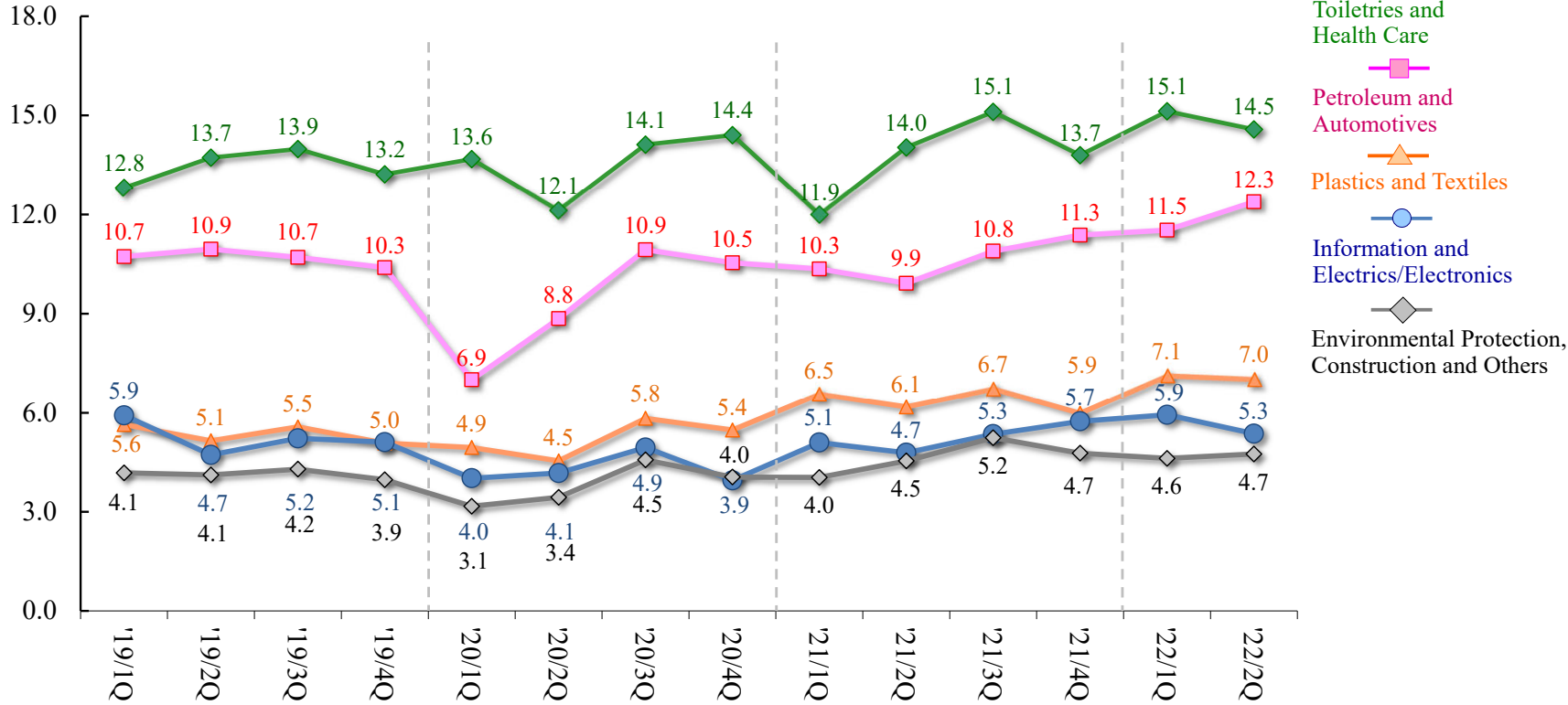
(Revised forecast for September 29)

Trends in Consolidated Operating Profit and Operating Margin (Quarter Period)



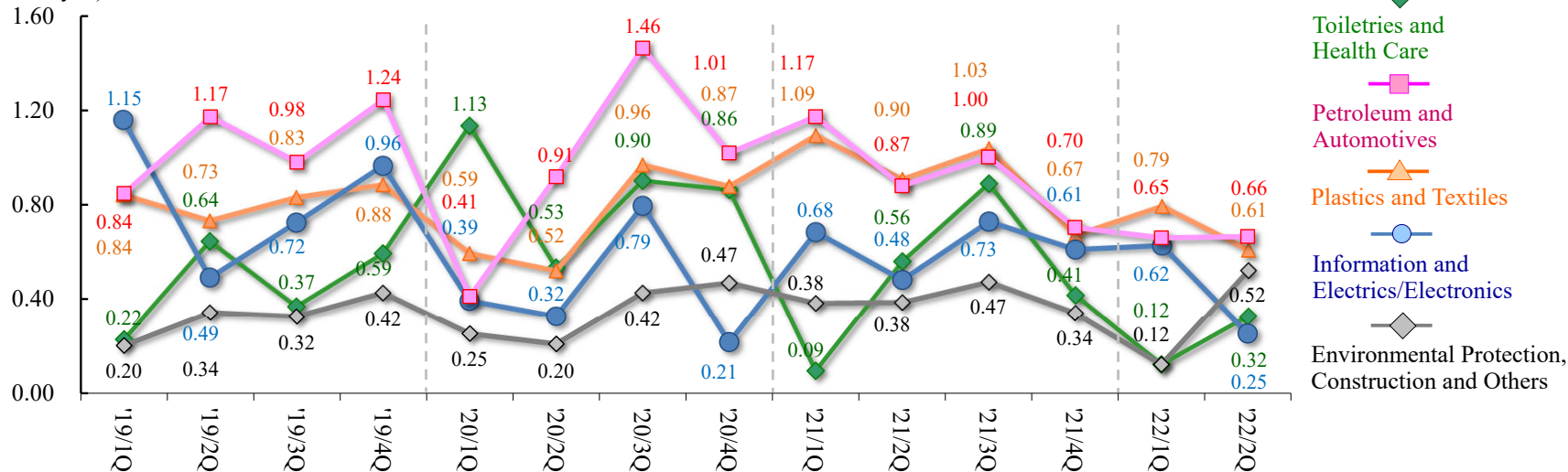
Trends in Consolidated Net Sales by Segment (Quarter Period) **Sanyo Chemical**

(Billions of yen)



Trends in Consolidated Operating Profit by Segment (Quarter Period)

(Billions of yen)



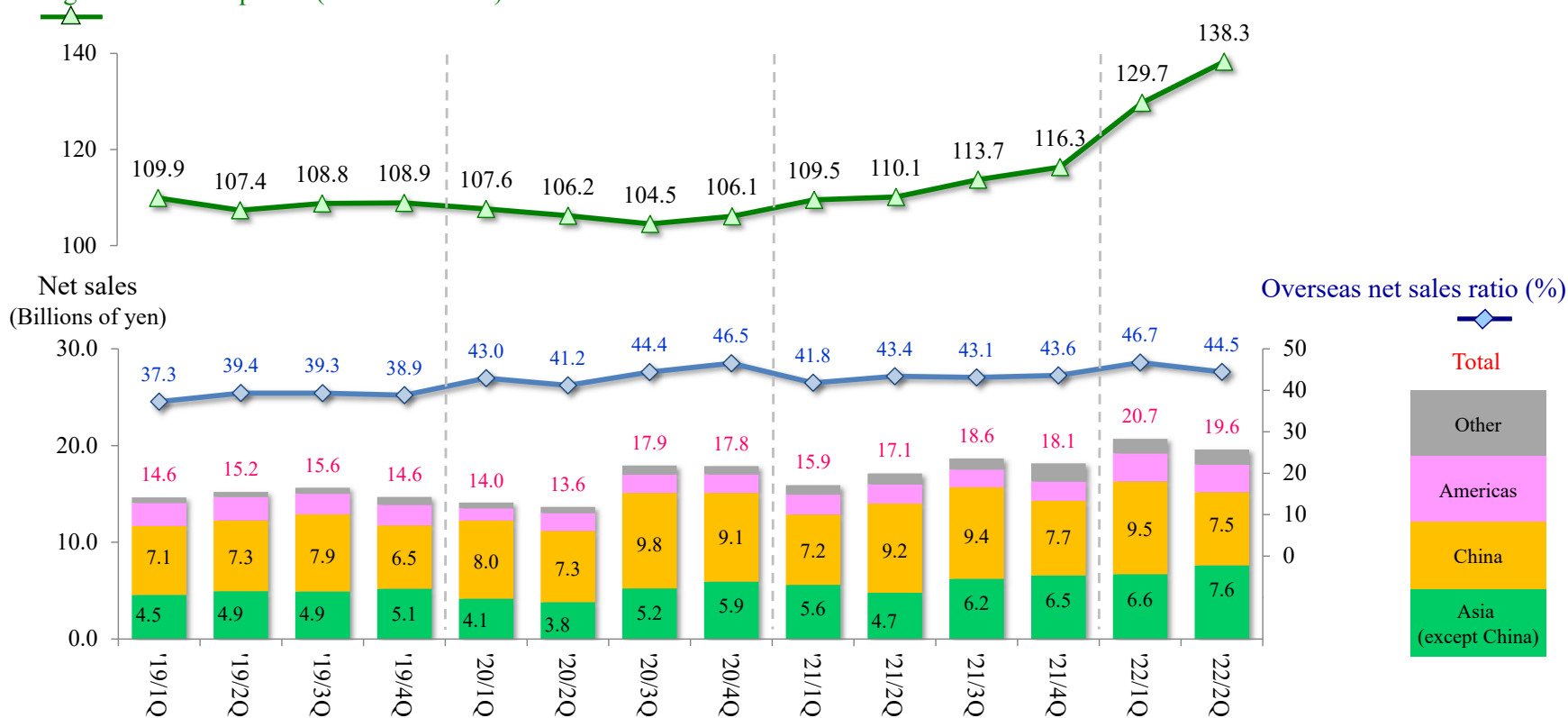
Research and development expenses for new businesses (Billions of yen)*

FY2019				FY2020				FY2021				FY2022	
1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q
(0.37)	(0.39)	(0.42)	(0.39)	(0.33)	(0.36)	(0.31)	(0.36)	(0.34)	(0.39)	(0.45)	(0.48)	(0.37)	(0.40)

* Research and development expenses for new businesses, which were allocated to each reportable segments so far, are recorded as corporate expenses in the margin.

Trends in Overseas Net Sales(Quarter Period)

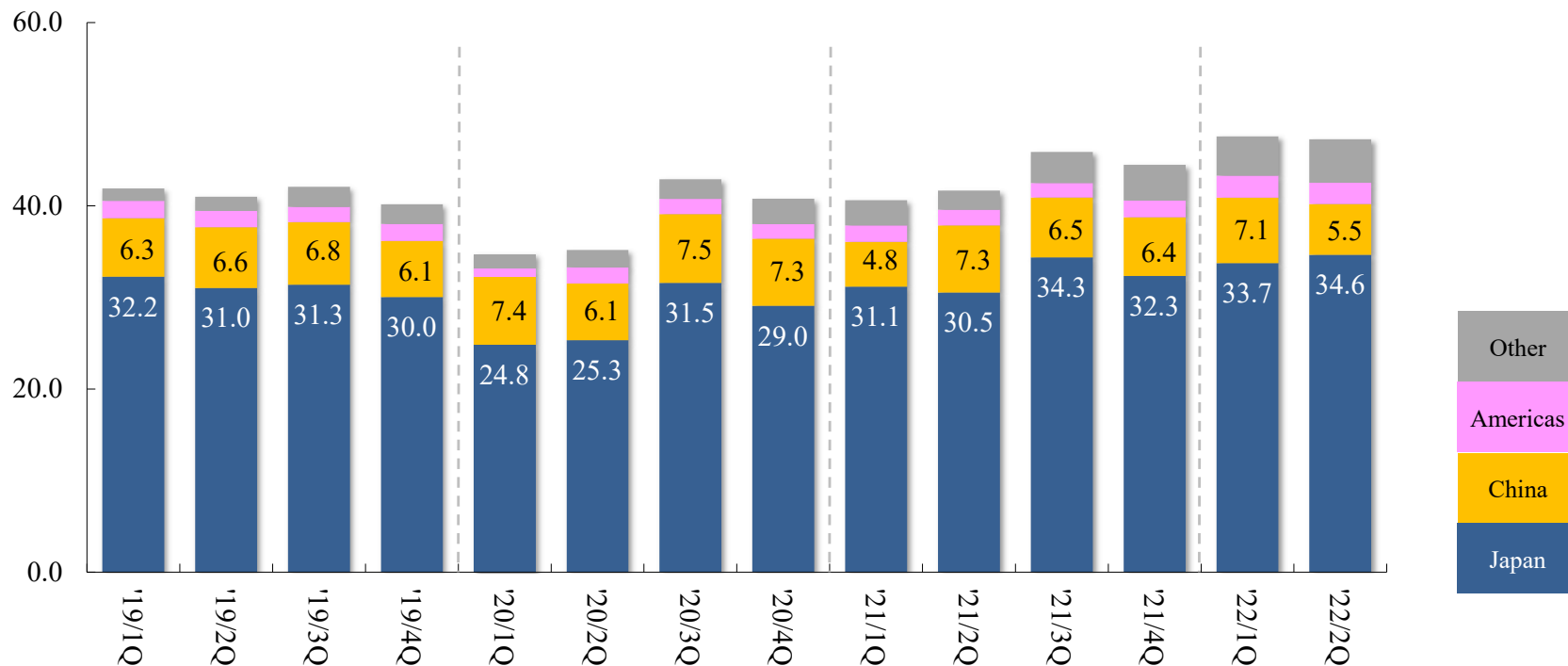
Exchange rate for each period (Yen/U.S. dollar)



Trends in Consolidated Net Sales by Geographic Segments

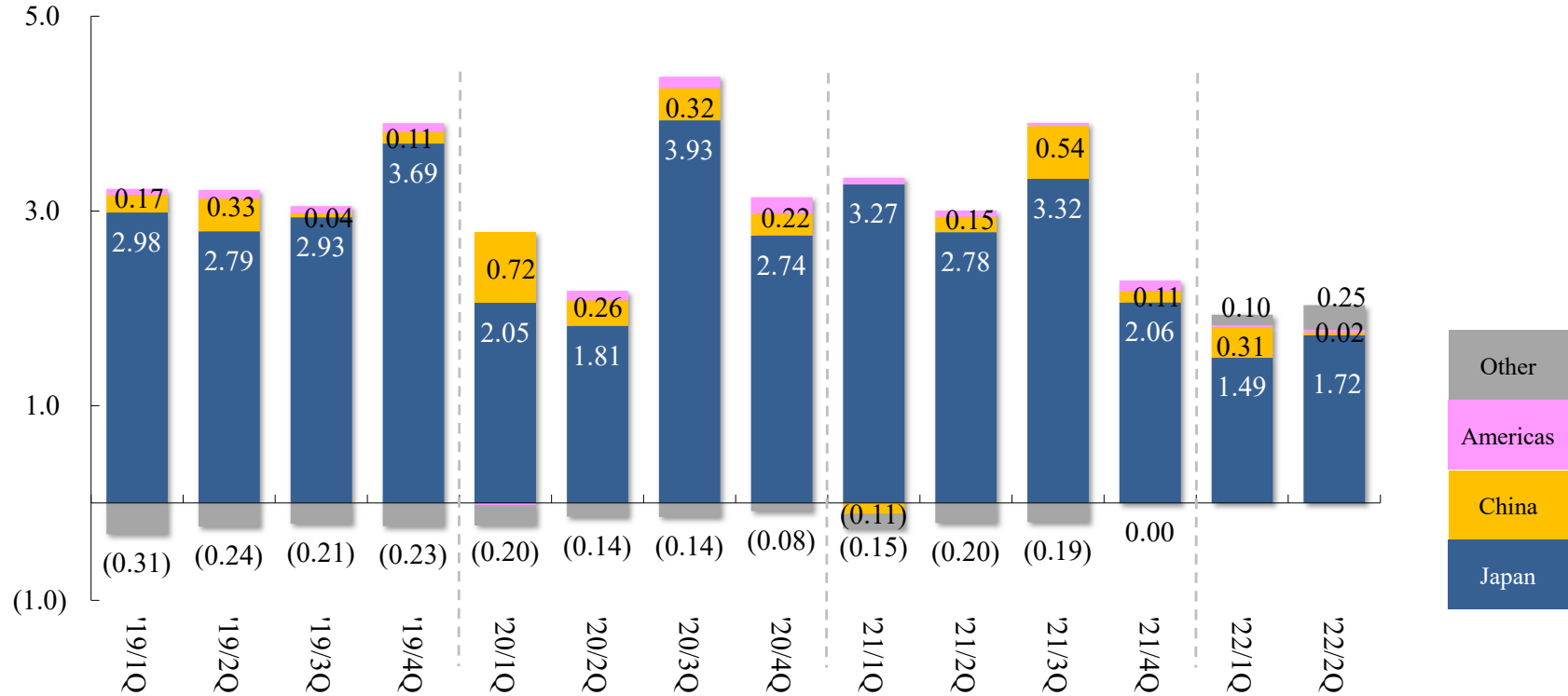
(Simple Addition)

(Billions of yen)



Trends in Consolidated Operating Profit by Geographic Segment (Simple Addition)

(Billions of yen)



Domestic Consolidated Subsidiaries

Company Name	Abbr.	Share of Voting Rights	Line of Business
SDP Global Co., Ltd.	SDP	Sanyo Chemical Industries, Ltd. 100%	Manufacture and sales of superabsorbent polymers
SAN NOPCO LIMITED	SNL	Sanyo Chemical Industries, Ltd. 100%	Manufacture and sales of chemicals for pulp & paper, coating chemicals, a wide range of industrial chemicals, etc.
San Chemical Co., Ltd.	SCC	Sanyo Chemical Industries, Ltd. 50% ENEOS Corporation 50%	Manufacture of raw materials for polyurethane foams, etc.
San-Apro Ltd.	SA	Sanyo Chemical Industries, Ltd. 50% Evonik International Holding B.V. 50%	Manufacture and sales of curing accelerators for epoxy resins, urethane catalysts, etc.
Sanyo Chemical Logistics Co., Ltd.	—	Sanyo Chemical Industries, Ltd. 100%	General trucking business Warehousing

Overseas Consolidated Subsidiaries

Company Name	Country of incorporation	Abbr.	Share of Voting Rights	Line of Business
Sanyo Kasei (Nantong) Co., Ltd.	China	SKN	Sanyo Chemical Industries, Ltd. 100%	Manufacture of surfactants, polyurethane resins, etc.
San-Dia Polymers (Nantong) Co., Ltd.	China	SDN	SDP Global Co., Ltd. 100%	Manufacture and sales of superabsorbent polymers
SANYO CHEMICAL (SHANGHAI) TRADING CO., LTD.	China	SCST	Sanyo Chemical Industries, Ltd. 100%	Sales of surfactants, polyurethane resins, etc.
Sanyo Kasei (Thailand) Ltd.	Thailand	SKT	Sanyo Chemical Industries, Ltd. 79% VIV Interchem Co. Ltd., Toyota Tsusho Corporation, etc. 21%	Manufacture and sales of surfactants, polyurethane resins, etc.
Sanyo Chemical America Incorporated	USA	SCA	Sanyo Chemical Industries, Ltd. 100%	Holding company of U.S. consolidated subsidiaries Sales of lubricant additives, polyurethane beads, etc.
Sanyo Chemical Texas Industries, LLC	USA	SCTI	Sanyo Chemical America Inc. 100%	Manufacture of polyurethane beads
SDP GLOBAL (MALAYSIA) SDN. BHD.	Malaysia	SDPM	SDP Global Co., Ltd. 100%	Manufacture and sales of superabsorbent polymers
Sanyo Kasei Korea, Ltd.	Korea	SKK	Sanyo Chemical Industries, Ltd. 100%	Sales of lubricant additives, surfactants, etc.

Entities Accounted for Using the Equity Method

Company Name	Abbr.	Share of Voting Rights	Line of Business
San-Petrochemicals Co., Ltd.	SPCC	Sanyo Chemical Industries, Ltd. 50% ENEOS Corporation 50%	Manufacture of raw materials for synthetic rubbers
Sunrise Chemical LLC [USA]	SRC	Sanyo Chemical America Inc. 50% Nippon Chemical Texas Inc. 50%	Manufacture of raw materials for synthetic rubbers
APB Corporation	APB	Sanyo Chemical Industries, Ltd. 44% Others 56%	Research, development, manufacture and sales of All Polymer Battery
Shiohama Chemicals Warehouse Co., Ltd.	—	Sanyo Chemical Industries, Ltd. 50% ENEOS Corporation 50%	Warehousing

And one other company