

Nov 20, 2012

Overview of Closing Accounts of the 1st Half and Full-Year Prospective Performance in Fiscal 2012

The 1st Half of the 2012 [April 1, 2012 – September 30, 2012]

President Akio Kohri

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The 1st Half of the Fiscal 2012 Consolidated Performance

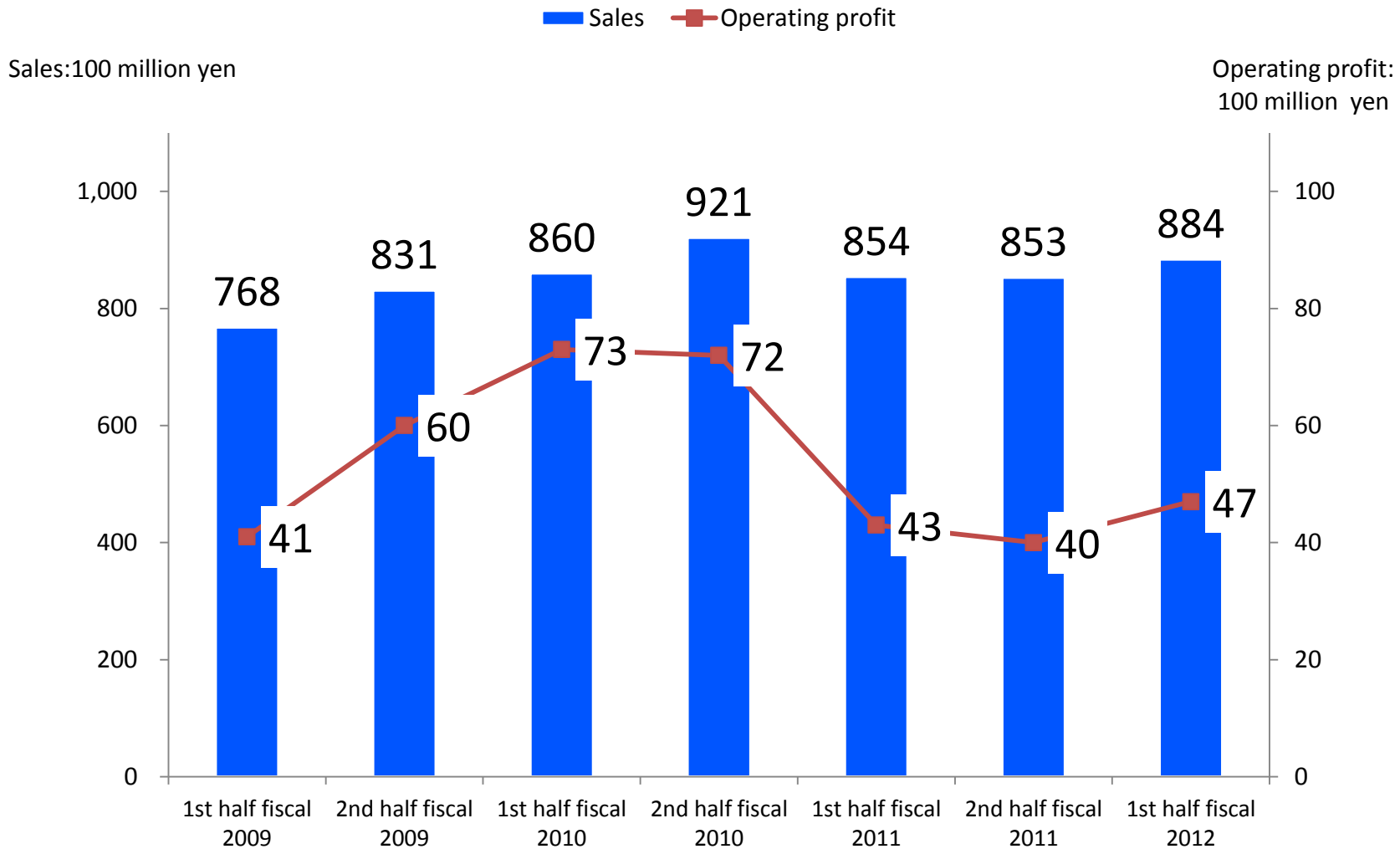


(Unit: 100 million yen)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease	Increase/decrease ratio (%)
Sales	854	884	29	3.5
Operating profit	43	47	3	8.7
Current profit	40	44	4	11.4
2nd-quarter net profit	19	24	4	22.0
2nd-quarter net profit per share (yen/share)	19.1	23.3		
Dividend	¥ 11	¥ 11		

- **We achieved an increase in both income and gain as compared with the same period of the previous year affected by the disaster.**
 - We turned around our business performance by increasing the sales of high-performance products for automobiles and IT/digital electrical appliances and regaining our market share in the food business.
 - Toward the end of the period, we were greatly affected by the prolonged debt issue in Europe and the slowing economic growth of China and other new economies. Our profit did not reach the initial projection partially due to extraordinary losses such as losses from revaluation of investment securities.
- **We started our mid-term management plan “STEP 3000” this fiscal year to expand and reinforce our business operations.**
 - We made strategic investments toward future growth, including the purchase of PVC stabilizer operations in the U.S. and the establishment of a sales company in Brazil.
 - We completed a new research facility which serves as the global technical center of resin additive operations.

Trends in Half-year Consolidated Performance



The 1st Half of the Fiscal 2012 Consolidated Performance (Figures)



(Unit: 100 million yen)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase /decrease	Increase /decrease ratio (%)
Sales	854	884	29	3.5
Electronics and IT materials	90	95	5	6.0
Functional chemicals	414	418	3	0.8
Commodity chemicals	98	88	△ 10	△ 10.8
Chemicals	603	602	△ 1	△ 0.3
Food products	227	257	29	12.9
Other	23	25	2	10.2
Operating profit	43	47	3	8.7
Electronics and IT materials	15	13	△ 1	△ 9.5
Functional chemicals	27	25	△ 2	△ 9.3
Commodity chemicals	2	△ 0	△ 2	-
Chemicals	45	38	△ 6	△ 15.3
Food products	△ 4	5	10	-
Other	2	2	△ 0	△ 2.0

The amounts are indicated after rounding off figures less than 100 million yen.

Consolidated
data

Electronics and IT materials (increase in sales but decrease in profit)

1. Semiconductor materials, specifically, high dielectric constant materials, achieved strong sales volume growth thanks to the increased use of smartphones, but saw a decline in sales prices due to the lowered prices of semiconductor memories.
2. Materials used for flat-panel displays suffered from poor sales due to a slowdown in demand for liquid crystal panels.
3. Photosensitive materials used for optical films and photoresist materials and competitive proprietary products such as etchants for highly integrated circuits achieved sales growth thanks to growing demand for smartphones.

(Unit: ¥100 million)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease
Sales	90	95	5
Operating profit	15	13	△ 1

Segmental Information: Functional Chemicals

(Polymer additives, Surface active agents, functional polymers)



Consolidated
data

Functional chemicals (increase in sales but decrease in profit)

1. Polymer additives, particularly light stabilizers, achieved sales growth mainly in overseas markets thanks to growing automobile production. On the other hand, flame retardants used for home electrical appliances were adversely affected by production adjustments.
2. Surface active agents used for cosmetics achieved sales growth mainly in overseas markets.
3. The sales of lubricant additives recovered thanks to growing automobile production and our acquisition of new customers mainly overseas.
4. Although the sales of environmentally-friendly water-borne resins for automobiles grew steadily, functional resins suffered from sluggish sales as a whole.

(Unit: ¥100 million)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease
Sales	414	418	3
Operating profit	27	25	△ 2

Consolidated
data

Commodity chemicals (decrease in sales and operating loss)

1. Propylene glycols suffered from sluggish sales due to decreasing demand.
2. The sales of hydrogen peroxide and its derivatives increased from the same period of the previous year, in which the sales saw a significant drop due to the disaster. However, the stagnant market in paper, pulp and other products prevented the sales from recovering to the pre-disaster level.
3. We curtailed our sales activities of electrolysis-related products for the reorganization of the Kashima industrial complex.
4. Commodity chemicals were adversely affected by a rise in the prices of raw materials.

(Unit: ¥100 million)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease
Sales	98	88	△ 10
Operating profit	2	△ 0	△ 2

Consolidated
data

Food products (increase in sales and profit)

1. The sales of modified fat (such as margarine for business use) and processed foods (such as whipping cream) grew, particularly rich-butter-flavored margarine, new whipping cream and other unique food products which meet customer needs.
2. Our share in the food product market recovered to the pre-disaster level.

(Unit: ¥100 million)

	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease
Sales	227	257	29
Operating profit	△ 4	5	10

Progress of the Mid-Term Management Plan

“STEP 3000”

➤ Acceleration of Overseas Business Development 【U.S.】

■ Purchase of PVC stabilizer operations (Halstab Division) from Hammond Group Inc. (June 29, 2012)

- This purchase has integrated the technological strengths, products and sales networks of Hammond's stabilizer operations into the technological strengths and products of our group, helping us enter new markets and business areas in the world as well as in the U.S.

■ Establishment of a company manufacturing and selling polymer additives

- | | | |
|-------------------------|---|---|
| ➤ Corporate name | : | AM STABILIZERS CORPORATION
Wholly owned subsidiary of our consolidated subsidiary
Amfine Chemical Corporation |
| ➤ Location | : | Indiana |
| ➤ Date of establishment | : | May 4, 2012 |
| ➤ Business | : | Manufacturing and sale of polymer additives such as PVC stabilizers (Halstab) |
| ➤ Sales | : | About 3 billion yen/ per year |

➤ Acceleration of Overseas Business Development 【Brazil】

■ Establishment of a local subsidiary

- We will expand the sales of polymer additives and other products in automobile and electronics markets in South America, mainly Brazil.

- | | | |
|----------------------|---|--|
| ➤ Corporate name | : | ADEKA BRASIL LTDA. (tentative name) |
| ➤ Start of operation | : | May 2013 (scheduled) |
| ➤ Location | : | Sao Paulo |
| ➤ Business | : | Sales support and market cultivation for the ADEKA Group's products (such as polymer additives, lubricant additives, and IT and electronic products) |

➤ Acceleration of Overseas Business Development 【Malaysia】

■ Decision on the establishment of a food joint venture

- We have agreed to establish a joint venture with the IOI Group, the leading palm oil industry in Malaysia, in order to accelerate the further expansion of our food operations in Southeast Asia, a region with the potential for economic growth.

- | | |
|-------------------------|---|
| ➤ Corporate name | : ADEKA FOODS (ASIA) SDN. BHD. |
| ➤ Location | : Johor |
| ➤ Time of establishment | : November 2012
Plant scheduled for completion in July 2014 |
| ➤ Business | : Manufacturing and sale of margarine, shortening and other food products |
| ➤ Partner | : IOI Corporation Berhad (IOI Group) |
| ➤ Sales target | : About 4 billion yen (for Fiscal 2016) |

➤ Enhancement of Technological Capabilities

■ Completion of a new research facility at Urawa R&D Laboratory (June 2012)

- As the global technical center of our global polymer additive operations, this fully-equipped new research facility will facilitate our development of new products.

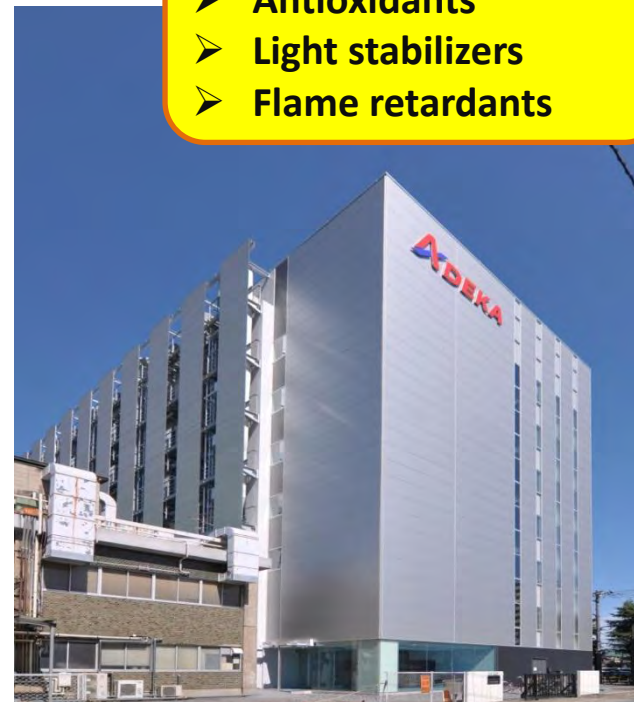
➤ Selection and Concentration

■ Business restructuring

- We concluded the final agreement to withdraw our investment from Kashima Chlorine & Alkali Co., Ltd. and Kashima Vinyl Chloride Monomer Co., Ltd. (November 12, 2012)

Promote the development of new products

- Clarifying agents
- Antioxidants
- Light stabilizers
- Flame retardants



Urawa R&D Laboratory

◆ Revision of the forecast performance for the first year (Fiscal 2012)

(Unit: ¥100 million)

	Announced on May 10, 2012	Revised on October 18, 2012	Fiscal 2014
Sales	1,870	1,800	2,400
Operating profit	120	100	170

- We revised our forecast performance for the first year of the mid-term management plan because the intensifying tension between Japan and China and the domestic and overseas economic downturn slowed demand for chemical products in September.

Fiscal 2012 Prospective Performance



(Unit: ¥100 million)

Consolidated
data

	Results in fiscal 2011		Projections for fiscal 2012		Year-on-year increase/decrease
	1 st half		1 st half		
Sales	854	1,708	884	1,800	91
Electronics and IT materials	90	181	95	196	14
Functional chemicals	414	790	418	858	67
Commodity chemicals	98	198	88	177	△ 21
Chemicals	603	1,171	602	1,231	59
Food products	227	492	257	515	22
Others	23	43	25	54	10
Operating profit	43	83	47	100	16
Electronics and IT materials	15	30	13	23	△ 7
Functional chemicals	27	45	25	56	10
Commodity chemicals	2	0	△ 0	1	0
Chemicals	45	77	38	80	2
Food products	△ 4	0	5	14	13
Others	2	5	2	6	0
Current profit	40	86	44	100	13
Net profit	19	37	24	57	19
Net profit per share		36.8		55.2	
Dividend	¥11.0	¥22.0	¥11.0	¥22.0	

The amounts are indicated after rounding off figures less than 100 million yen.

Electronics and IT Materials

- We will expand the production of high-dielectric constant materials in customer regions to maintain our large share in the DRAM market and enhance our price competitiveness. We will also expand the uses of high-dielectric constant materials to new applications such as NAND flash memories.
- Although the flat-panel display market is still an intensely competitive market, we will expand the sales of UV curable resins, etchants for ITO and touch panels and other competitive products for small and midsize panels and other uses.

Functional Chemicals

- We will find new markets for and expand the sales of polymer additives mainly in Asia and Central and South America to increase our global market share.
 - We will help our new subsidiaries in the Middle East, the U.S. and Brazil contribute to our business operations as early as possible to establish and expand our sales networks.
- We will globalize our lubricant, reactive emulsifier and water-borne resin operations to expand their sales.

Commodity Chemicals

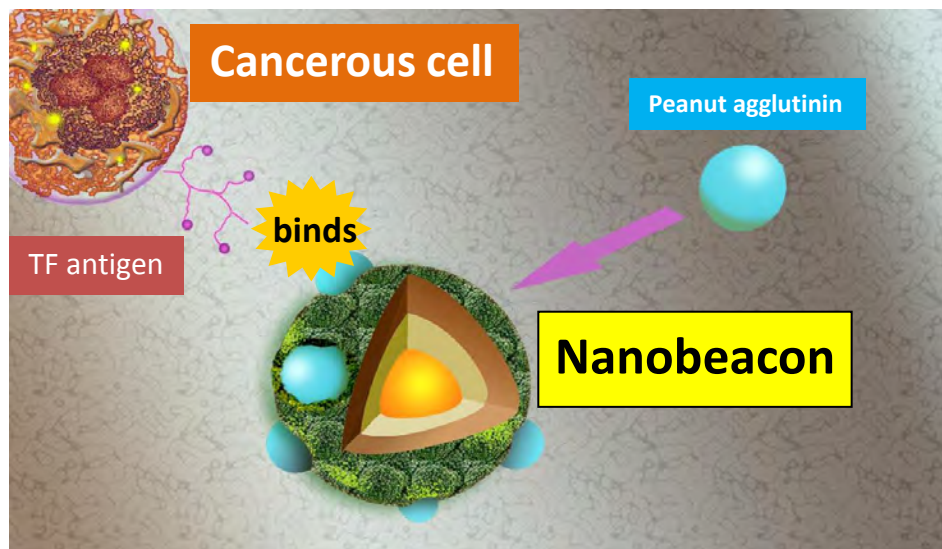
- We will revive the sales of propylene glycols and hydrogen peroxide and streamline their operations to improve their profitability.
- We will expand the sales of products for industrial commodities by tapping demand created by disaster reconstruction efforts.

Food Products

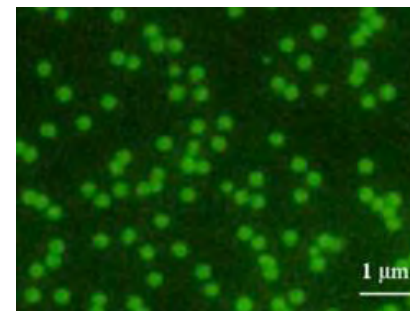
- We will expand our market share through stronger cooperation between our sales, production and development sections.
- We will accelerate our business development in Chinese and Southeast Asian markets.
- We will improve profitability by promoting cost reduction efforts such as the consolidation of product lines.

➤ Contrast media for early discovery of colon cancer (nanobeacons)

- We are working to commercialize the world's first contrast media for colonoscopy, whose highly fluorescent nanobeacons bind with cancerous cells to make it possible to remove minute cancerous tissues hardly visible to the naked eye (joint research with Vanderbilt University, U.S. and other institutes).



- The peanut agglutinin of the nanobeacon binds with the surface of the cancerous cell, yielding strong fluorescence from the pigment molecules concentrated in its center.



Electron micrograph of nanobeacons yielding fluorescence

➤ Mevalonolactone

- This substance has been confirmed to stimulate the production of free fatty acids essential to the barrier functions of skin.
- We are working to commercialize this substance as a medical material for preventing and improving alopecia.

➤ Plasmalogen

- It has been demonstrated that there is a strong relationship between the amount of phospholipid (plasmalogens) in serum and brain aging. We are conducting joint research on plasmalogens with Professor Hara of Hokkaido University and others as this project has been selected as a national project titled “Development of new phospholipid foods which have the potential to prevent and treat dementia.”

➤ Beta-Glucan

- We are expanding the application of barley beta-glucan to supplements and health food products and the application of fermented beta-glucan derived from black yeast to cosmetics, hair care products and medical fields (wound healing).
- Beta-glucan is attracting attention as it has been selected by the Consumer Affairs Agency as one of the subjects of its food functionality evaluation.

For reference: Overseas approval for beta-glucan

Region	Approving authority	Approved ingredients	Approved health claims	Year of approval
U.S.	FDA	Barley beta-glucan and oat beta-glucan	Reduces risk of heart disease by lowering blood cholesterol levels	2006
			Controls blood sugar levels	Currently being examined
Europe	EFSA	Barley fiber	Encourages bowel movements	2012
		Beta-glucan	Reduces risk of heart disease by lowering blood cholesterol levels	
		Barley beta-glucan and oat beta-glucan	Controls blood sugar levels	

Investment schedule (For your reference)



2011

2012

2013

2014

2015

April 2011 / Establishment of a joint venture for production and sale in the Middle East (U.A.E.)

March 2012 / Completion of a plant for packaged granular additives

November 2011 / Construction of a light stabilizer plant (Korea)

April 2012 / Construction of a polyester additive plant (Chiba Plant)

May 2012 / Establishment of AM STABILIZERS CORPORATION (U.S.)

June 2012 / Completion of new R&D wing at Urawa research center

June 2013 / Construction of an antioxidant plant (China)

May 2013 / Start of the operation of a sales company in South America (Brazil)

November 2012 / Establishment of a food joint venture (Malaysia)

July 2014 / Completion of a Plant producing margarine and other modified fats

February 2012 / I . Construction of a semiconductor dielectric materials plant (Korea)

October 2012 / II . Construction of a semiconductor dielectric materials plant

November 2012 / Construction of photo-acid generators (Chiba Plant)

Polymer
additives

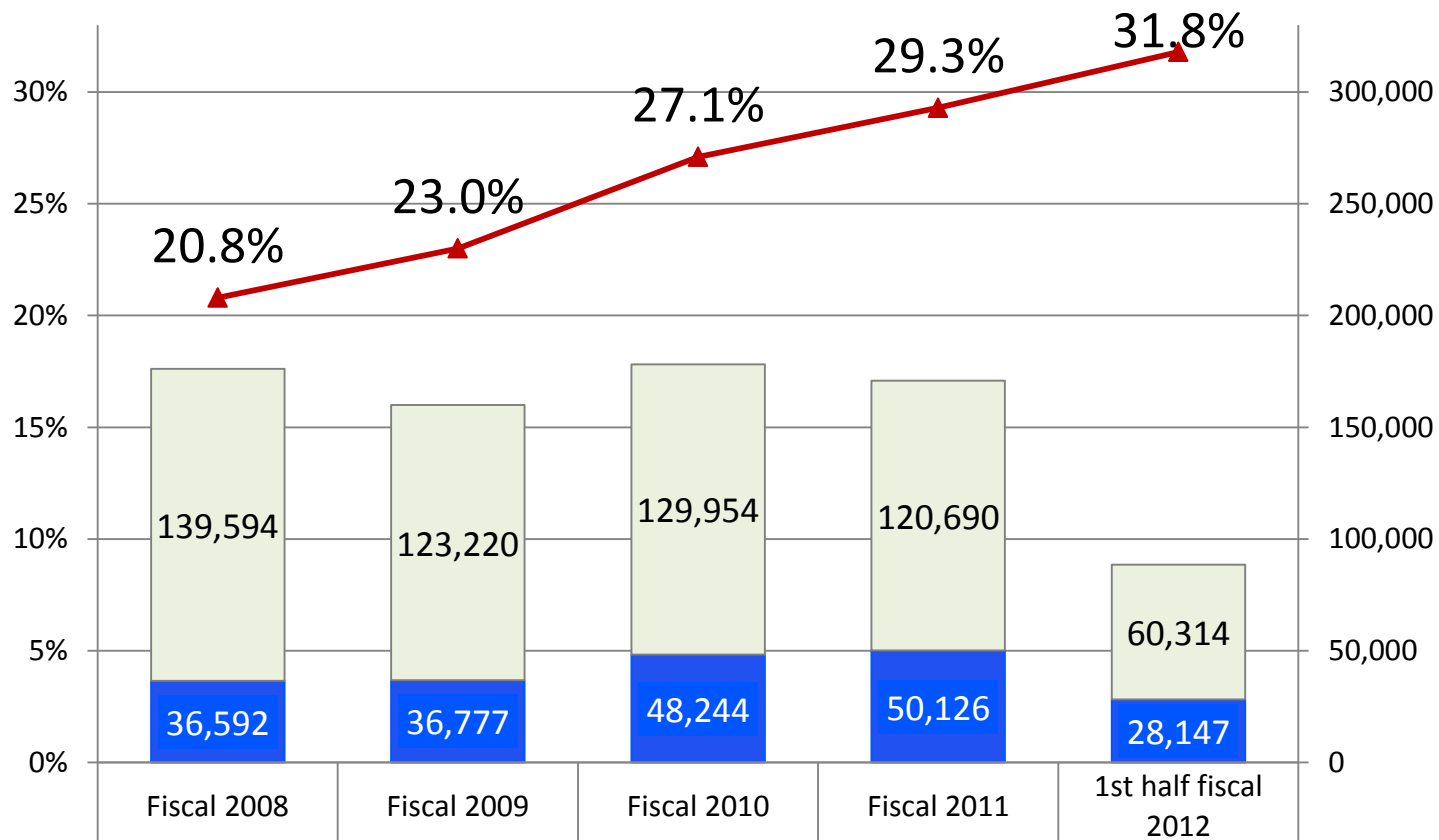
Food
Business

Electronics
and
IT materials

Overseas Sales (For your reference)



(Unit: ¥ million)



Domestic sales	139,594	123,220	129,954	120,690	60,314
Overseas sales	36,592	36,777	48,244	50,126	28,147
Overseas sales rate	20.8%	23.0%	27.1%	29.3%	31.8%
Sales	176,186	159,997	178,198	170,817	88,461

Supplementary Data for the 1st Half of the Fiscal 2012 Closing of Accounts

- I. Supplementary Data for the Consolidated Closing Accounts
- II. Management Indexes, etc.
- III. Reference Data
 - Overview of non-consolidated and consolidated closing accounts
 - Overview of the ADEKA Group (consolidated subsidiaries & equity method-applicable companies)
 - Core products of each business division

Director and Operating Officer Haruhiko Tomiyasu

I -1. Consolidated Balance Sheet



(Unit: ¥ million)

	As of Mar 31, 2012	As of Sep 30, 2012	Annual increase	
Assets				POINT ①.
Current assets ①	110,009	113,802	3,793	Increase in current assets
Fixed assets	100,757	101,799	1,042	Increase in cash and deposit 1,381
Tangible fixed assets ②	68,582	70,785	2,203	Increase in inventories 1,749
Intangible fixed assets	3,237	3,611	373	POINT ②.
Investment and other assets ③	28,937	27,401	△ 1,535	Increase in tangible fixed assets
Total assets	210,766	215,602	4,835	Increase in buildings and structures 1,790
Liabilities				POINT ③
Current liabilities ④	60,820	57,084	△ 3,736	Decrease in investments and other assets
Long-term liabilities ⑤	21,345	28,548	7,202	Decrease in investment securities 1,955
Total liabilities	82,166	85,632	3,466	POINT ④
Net assets				Decrease in current liabilities
Shareholders' equity	122,826	124,094	1,268	Decrease in long-term debts to be repaid within one year 4,869
Capital stock	22,899	22,899	—	POINT ⑤
Capital surplus	19,925	19,925	—	Increase in long-term liabilities
Retained earnings	80,225	81,494	1,268	Increase in long-term debts payable 7,029
Treasury stock	△ 224	△ 224	△ 0	
Accumulated other comprehensive income	2,422	2,173	△ 249	
Valuation difference on available-for-sale securities	984	479	△ 505	
Reserve for land revaluation	3,791	3,791	—	
Translation adjustment	△ 2,353	△ 2,097	256	
Minority interests	3,351	3,701	350	
Total net assets	128,600	129,969	1,368	
Total liabilities and net assets	210,766	215,602	4,835	

(Note 1) The amounts are indicated after rounding off figures less than 1million yen.

(Note 2) Accumulated depreciation of tangible fixed assets 133,425million

I -2. Cash Flow Statement (Summary)



(Unit : million)

	1st half of fiscal 2011 From Apr 1 to Sep 30 in 2011	1st half of fiscal 2012 From Apr 1 to Sep 30 in 2012
Cash flows from operations		
Income before income taxes, etc.	3,066	3,768
Increase/decrease in accident and natural disaster reserves (decrease)	△981	—
Increase/decrease in inventories (increase)	△4,571	△1,141
Cash flows from operations	1,108	6,572
Cash flows from investing activities		
Balance of purchase and sale of marketable securities	—	△1,000
Payment for purchase of tangible fixed assets	△2,791	△5,068
Payment for purchase of business operations	—	△1,118
Cash flows from investing activities	△1,103	△7,196
Cash flows from financing activities		
Increase/decrease in short-term debt (decrease)	2,479	861
Proceeds from long-term debts payable	75	7,283
Repayment of long-term debts payable	△347	△5,130
Cash flows from financing activities	1,012	1,914
Effect of exchange-rate changes on cash and cash equivalents	△29	55
Net increase/decrease in cash and cash equivalents (decrease)	988	1,345
Cash and cash equivalents at beginning of period	23,555	25,755
Cash and cash equivalents at the end of the quarter	24,544	27,100

(Cash flows from operating activities)

The increase in cash inflows from operating activities is mainly due to decreased accident and natural disaster reserves as well as decreased cash outflows caused by increased income before income taxes, increased inventories and other factors.

(Cash flows from investing activities)

The increase in cash outflows from investing activities is mainly due to increased cash outflows caused by purchase of marketable securities, tangible fixed assets and business operations.

(Cash flows from financing activities)

The increase in cash inflows from financing activities is mainly due to increased cash inflows caused by long-term debts.

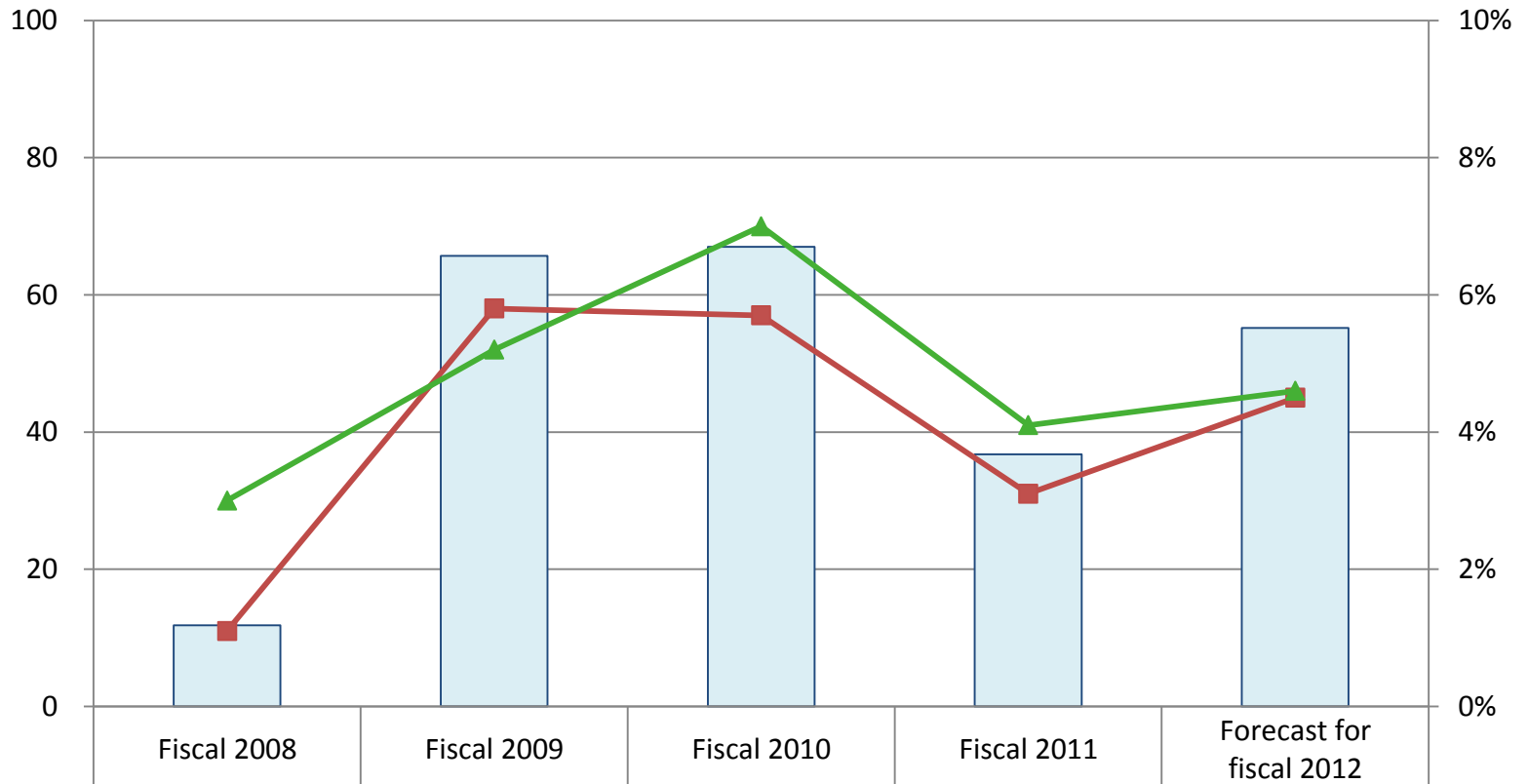
The amounts are indicated after rounding off figures less than 100 million yen.

II - 1. Profitability



Consolidated data

Yen

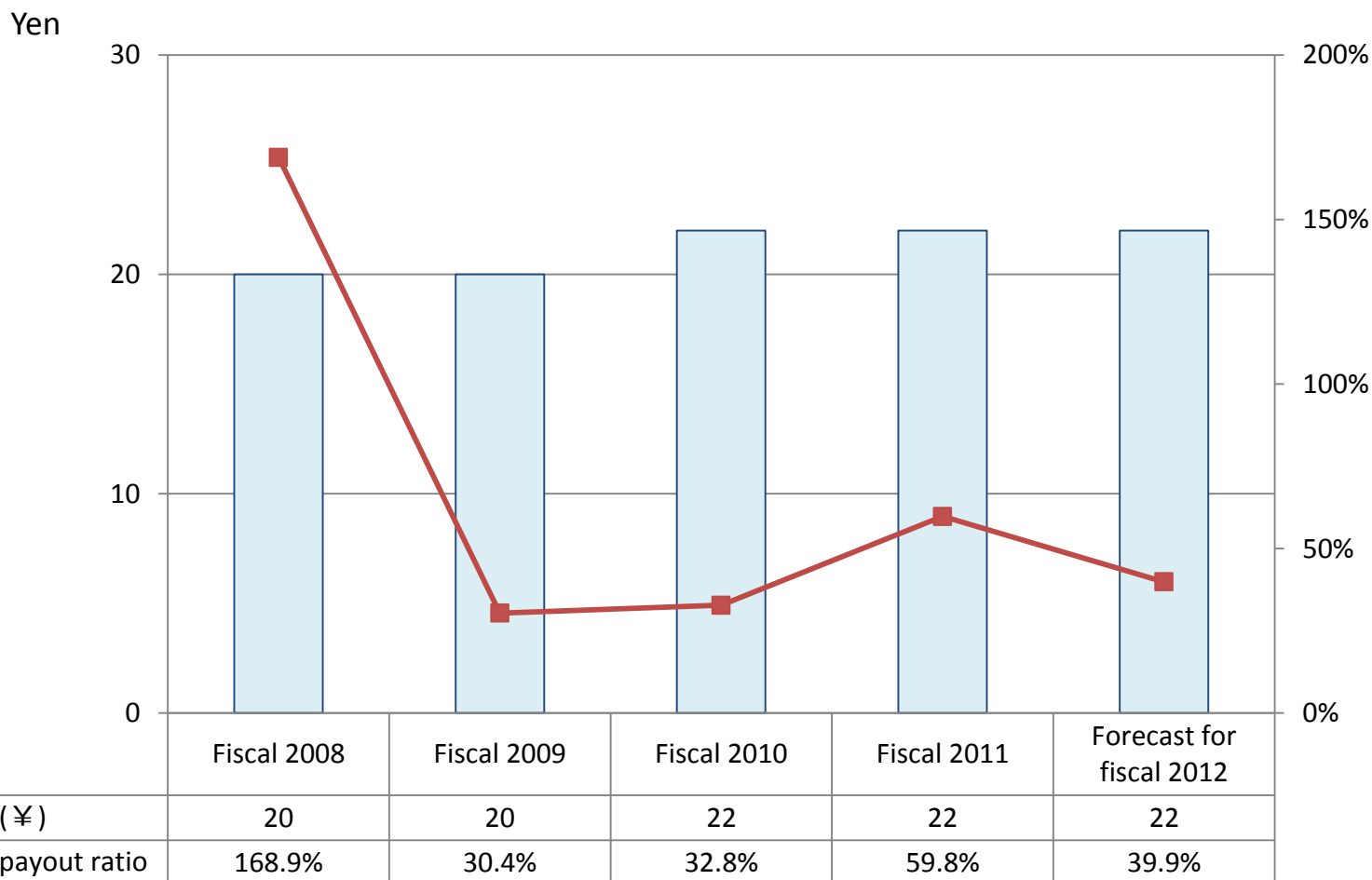


EPS	11.8	65.7	67.0	36.8	55.2
ROE	1.1%	5.8%	5.7%	3.1%	4.5%
ROA	3.0%	5.2%	7.0%	4.1%	4.6%

II - 2. Dividend payout ratio and dividends



Consolidated data

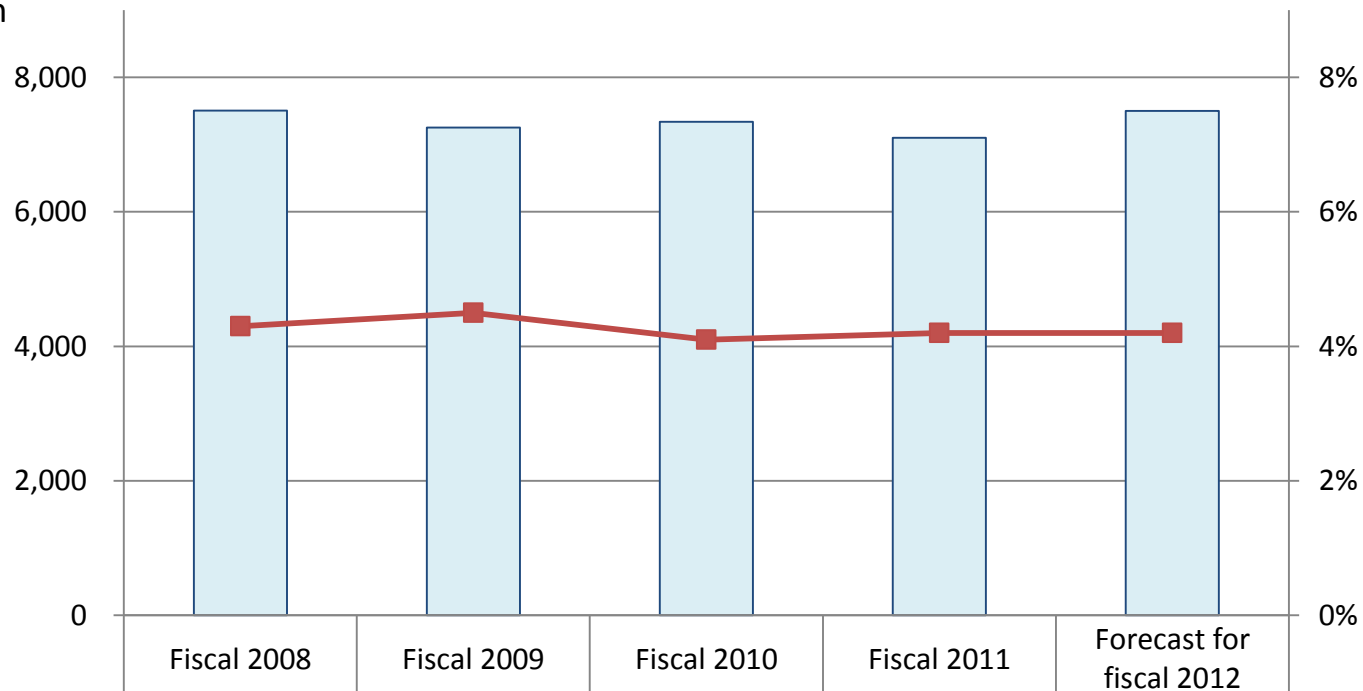




II - 3. Research and development costs



Consolidated data

¥ million

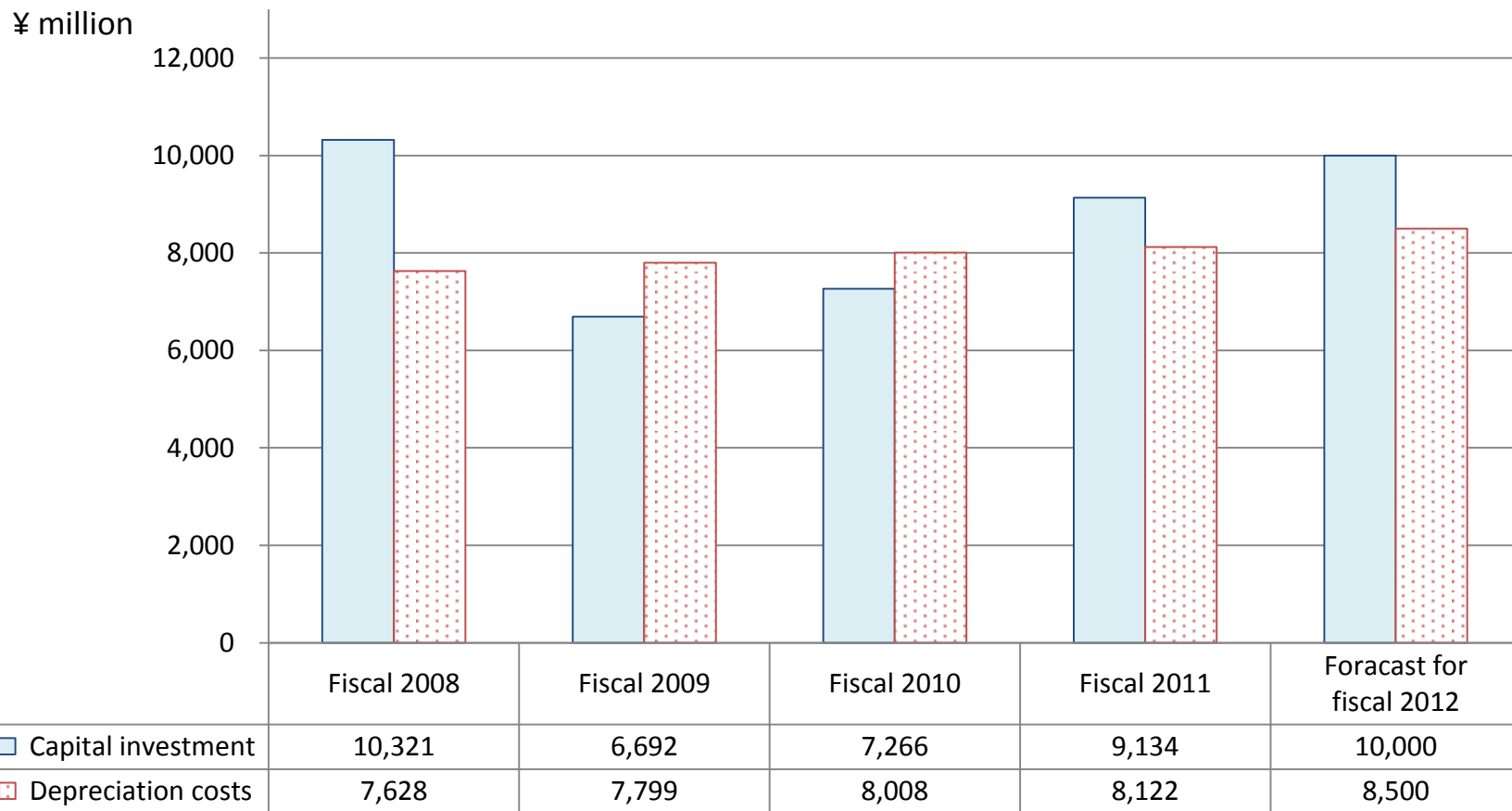


 Research and development costs	7,507	7,251	7,339	7,101	7,500
 Rate of research and development costs to sales	4.3%	4.5%	4.1%	4.2%	4.2%

II - 4. Capital investment



Consolidated data

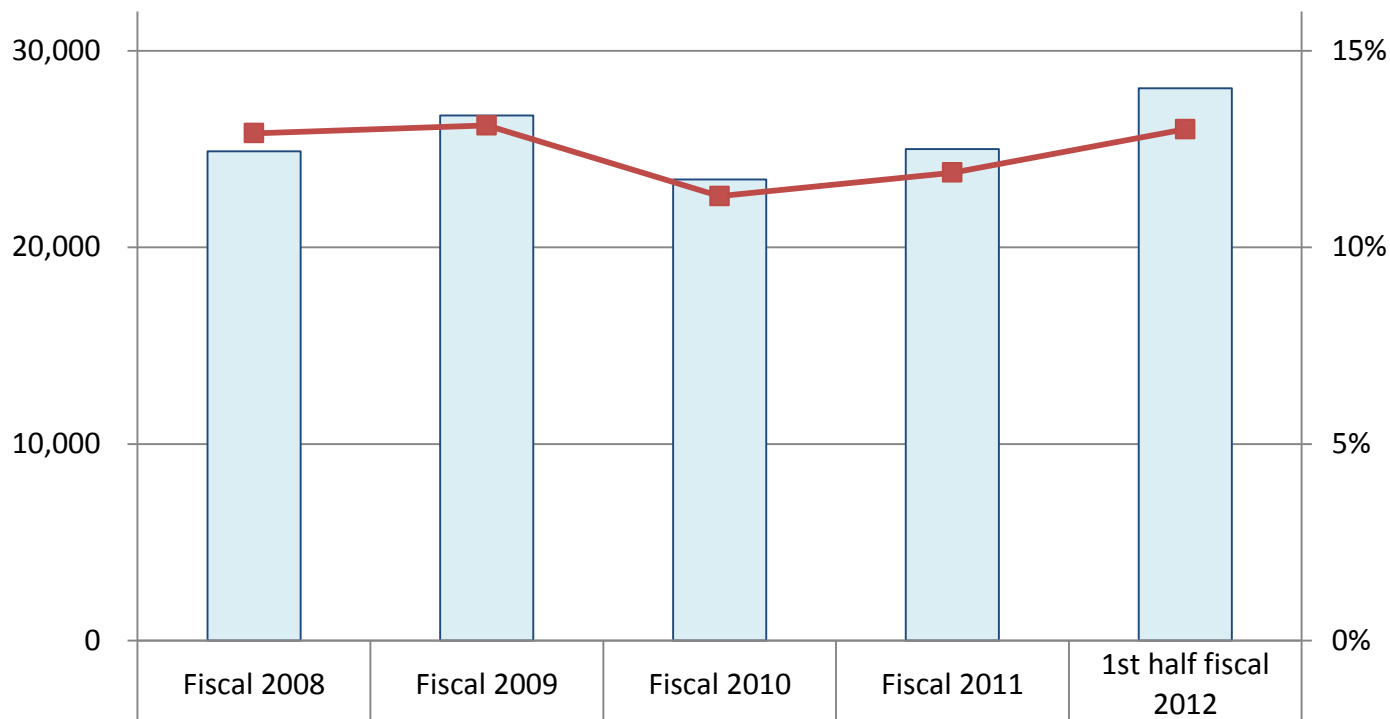


II - 5. Interest-bearing liabilities



Consolidated data

¥ million



Liabilities with interest	24,887	26,707	23,446	24,992	28,085
Degree of dependence on interest-bearing liabilities	12.9%	13.1%	11.3%	11.9%	13.0%

(Unit: ¥100 million)

Non-consolidated closing of accounts				
	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease	Increase/decrease ratio(%)
Sales	543	570	26	4.9
Operating profit	22	29	7	33.6
Current profit	21	29	8	42.1
2nd-quarter net profit	8	15	7	83.9
2nd-quarter net profit per share (yen/share)	8.3	15.2		

(Unit: ¥100 million)

Domestic companies (10)				
	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease	Increase/decrease ratio(%)
Sales	345	345	0	0.1
Operating profit	6	5	△0	△14.1
Overseas companies (13)				
	Results in 1 st half fiscal 2011	Results in 1 st half fiscal 2012	Increase/decrease	Increase/decrease ratio(%)
Sales	337	344	7	2.1
Operating profit	14	13	△1	△7.8
Consolidation adjustment accounts (deleted)				
	Results in 1 st half fiscal 2011		Results in 1 st half fiscal 2012	
Sales	△370		△375	
Operating profit	△0		△1	

The amounts are indicated after rounding off figures less than 100 million yen.

III-2. Consolidated Subsidiaries (10 companies in Japan)



Segment	Consolidated subsidiary	Capital	Controlling share(%)	Line of business
Chemicals	ADEKA CHEMICAL SUPPLY CORP.	¥104million	98.04 (Indirect ownership: 3.61)	Sales of chemical products, and the development, manufacturing and sales of metal processing oils, etc.
Chemicals	ADEKA CLEAN AID CORP.	140million	100.00	Development and sales of kitchen detergents for commercial use, industrial detergents, etc.
Chemicals	OXIRANE CHEMICAL CORP.	600million	50.00	Manufacturing and sales of epoxy elasticizers, etc.
Food products	ADEKA FOOD SALES CORP.	42million	100.00	Sales of edible processed oils and fats for confectionary and breads, and sales of other foodstuffs, etc.
Food products	YONGO CO.,LTD.	18million	90.69	Wholesaling of ingredients for confectionery and bakery business use
Food products	ADEKA FINE FOODS CORP.	50million	100.00	Manufacturing and sales of mayonnaise products, oil and fat processed food products and processed products using seafood.
Food products	UEHARA FOOD INDUSTRY CO.,LTD.	70million	100.00	Manufacturing and sales of flour paste products, bean-jams and retort pouch foods.
Others	ADEKA LOGISTICS CORP.	50million	100.00	General and principal contracting of logistics for the company, warehousing, leasing of vehicles, etc.
Others	ADEKA ENGINEERING & CONSTRUCTION CORP.	130million	100.00	Design, construction, and construction supervision of facility plants, and facilities maintenance.
Others	ADEKA LIFE-CREATE CORP.	65million	90.00 (Indirect ownership: 10.00)	Trading, brokerage and management of real estate, property and life insurance agency, sales in the OA equipment area, and management of buildings and company-owned apartments

III. for your reference

III-3. Consolidated Subsidiaries(14 overseas companies)



Segment	Country	Consolidated subsidiary	Capital	Controlling share (%)	Line of business
Chemicals	U.S.	AMFINE CHEMICAL CORP.	US\$16 million	60.00	Manufacturing and sales of polymer additives.
Chemicals	TAIWAN	CHANG CHIANG CHEMICAL CO., LTD.	NT\$30.0 million	50.00	Sales of polymer additives, special elasticizers and similar products.
Chemicals	SOUTH KOREA	ADEKA KOREA CORP.	₩15 billion	100.00	Manufacturing and sale of chemical products
Chemicals	SINGAPORE	ADEKA (ASIA) PTE.LTD.	US\$0.8 million	100.00	Sales of chemical products.
Chemicals	GERMANY	ADEKA Europe GmbH	€0.5 million	100.00	Sales of chemical products.
Chemicals	FRANCE	ADEKA PALMAROLE SAS	€3.0 million	90.00 (Indirect ownership:90.00)	Sales of polymer additives.
Chemicals	TAIWAN	ADEKA FINE CHEMICAL TAIWAN CORP.	NT\$200.0 million	100.00	Manufacturing and sale of liquid crystal panel-related chemicals, and import and sale of chemical products
Chemicals	CHINA	ADEKA (SHANGHAI) CO., LTD.	US\$1.0 million	100.00	Sales of chemical products.
Chemicals	CHINA	ADEKA FINE CHEMICAL (SHANGHAI) CO., LTD.	US\$20.5 million	100.00	Manufacturing and sales of polymer additives, functional resins, electrochemical materials and similar products.
Chemicals	CHINA	ADEKA FINE CHEMICAL (CHANGSHU) CO., LTD.	US\$21.54 million	50.00	Manufacturing and sales of polymer additives.
Chemicals	THAILAND	ADEKA FINE CHEMICAL (THAILAND) CO., LTD.	฿350.0 million	81.00	Manufacturing and sale of chemical products
Chemicals	U.S.	AM STABILIZERS CORP.	US\$8.5 million	60.00 (Indirect ownership:90.00)	Manufacturing and sales of polymer additives.
Food products	SINGAPORE	ADEKA(SINGAPORE)PTE.LTD.	S\$8.0 million	90.00	Manufacturing and sales of edible processed oils and fats, frozen piecrusts and related food products.
Food products	CHINA	ADEKA FOODS (CHANGSHU) CO., LTD.	US\$1,500 million	70.00	Manufacture and sale of edible oil products and processed foods.

※ AM STABILIZERS CORPORATION is included in the scope of consolidation (only its balance sheet was consolidated for the first half).

Three equity method-applicable companies	Capital	Controlling share	Line of business
NIHON NOHYAKU CO., LTD.	¥10,939 million	24.17%	Manufacturing and sales of agrichemicals and other products.
KASHIMA CHEMICAL CO., LTD.	¥1,000 million	39.38%	Manufacturing and sales of epichlorohydrin, arylchloride, etc.
CO-OP CLEAN CO., LTD.	¥80 million	46.88%	Development and sales of soap, detergents and similar products.

Note: There has been no change in the number of equity method-applicable companies.

Business category		Core products
reportable segment	Electronics and IT materials	High-purity materials for semiconductors, AFES System and etching agents, Optical hardening resins, Optical recording materials, Imaging materials, and others.
	Functional chemicals	Additives for polyolefins, PVC plasticizers/stabilizers, Flame retardants, Epoxy resins, Polyurethanes, Water-borne resins, Surfactants, Lubricant, Metal working fluid, cosmetic materials, and others.
	Commodity chemicals	Polypropylene glycol, Hydrogen peroxide, Industrial fats and oil-induced products, Water-swelling sealing materials, Caustic soda, Silicate-induced products, and others.
	Food products business	Margarines, Shortenings, Oil and fats for chocolate, Oils and fats for frying, Whipping cream, Enriched milk products, Fillings, Frozen pie crusts, Mayonnaise dressing, functional foods, and others.
Other business		Designing of equipment plants, Construction and construction management, Maintenance of equipment, Logistic services, Warehousing, Leasing of vehicles, Real estate and insurance business, and others.

The forecast performance and business plans specified in this document have been prepared based on information available as of the date of publication, as well as on various prerequisites; therefore, the actual results may differ from these forecasts or plans depending on various factors that may arise hereafter.