

Corporate Information

Company outline

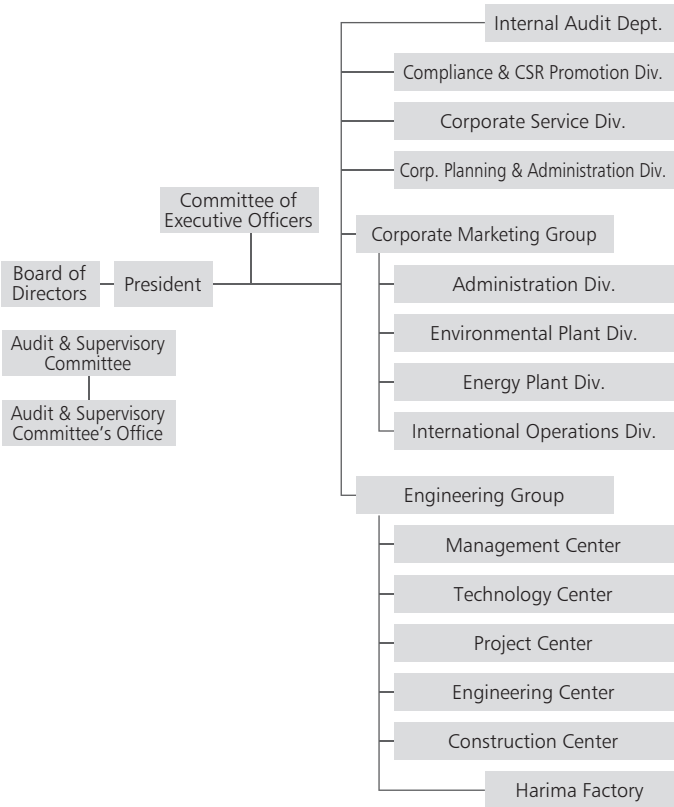
Name: TAKUMA CO., LTD.  
Head office location: 2-2-33 Kinrakuji-cho, Amagasaki, Hyogo 660-0806, Japan  
TEL +81-6-6483-2609 FAX +81-6-6483-2751 (operator)  
Representative Director: Takaaki Kato, President and CEO  
Established: June 10, 1938  
Capital: JPY 13,367,457,968 (as of March 31, 2016)  
Main business areas: The design, construction and superintendence of a wide variety of boilers, plant machinery, pollution prevention plants, environmental equipment plants, and heating and cooling equipment and feed-water / drainage sanitation equipment and facilities  
The design, construction and superintendence of civil, architecture and other works  
Number of employees (non-consolidated): 815 (as of March 31, 2016)  
Number of employees (consolidated): 3,366 (as of March 31, 2016)

Permits and registrations

**Head Office, branch offices and other business offices**  
Construction license (Minister of Land, Infrastructure, Transport and Tourism license, Special 27-6129)  
Construction consultant registration (Minister of Land, Infrastructure, Transport and Tourism registration, Construction 26-10202)  
First-class architect office registration (01A02903)  
ISO 9001 quality management system certification  
**Harima Factory**  
ISO 9001 quality management system certification  
ISO 14001 environmental management systems certification  
Manufacture of thermal equipment for power generation (Ministry of Economy, Trade and Industry)  
Permission to manufacture boilers and pressure vessels, permission to manufacture cranes (Ministry of Health, Labour and Welfare)  
Manufacture of specific high-pressure gas facilities (Ministry of Economy, Trade and Industry)  
Manufacture of refrigerators (Governor of Hyogo Prefecture)



Corporate structure (as of June 28, 2016)



Head Office



Harima Factory

The History of Takuma

	1912	<b>1912</b> The first "Takuma boiler" introduced by our founder, the venerable Tsunekichi Takuma	 The venerable Tsunekichi Takuma
	1920		
	1930	<b>1930</b> The venerable Tsunekichi Takuma commended as one of the ten great inventors of Japan during the Meiji and Taisho periods (1868-1926)	
<b>1938</b> Takuma Boiler Manufacturing Co., Ltd. founded Company Motto instituted: "Service to the nation through boiler manufacturing"	 Amagasaki Factory		
	1940	<b>1942</b> Operation begins at Harima Factory	
 Harima Factory under construction	<b>1949</b> Company listed on the Osaka and Tokyo stock exchanges		
<b>1953</b> Head Office moved to Osaka's Kita-ku District			
<b>1962</b> Operation begins at Kyoto Factory (Current: Nippon Thermoener Co., Ltd. Kyoto Factory)			
<b>1972</b> Company renamed Takuma Co., Ltd.	 Takuma logo		
	1950	<b>1958</b> Business expanded into the environmental facility sectors, including waste incineration and water treatment plants	
	1960	<b>1963</b> Japan's first waste incineration plant delivered Sewerage treatment facility delivered	 Japan's first waste incineration plant
	1970	<b>1975</b> Bulk production begins on "vacotin heater", the world's first vacuum-type hot water heater	 Vacotin heater
	1980	<b>1986</b> The first overseas delivery of a waste treatment facility completed (U.S.A.)	
<b>1992</b> New Company Motto instituted: "Value Technology, Value People, Value the Earth"		<b>1992</b> The first delivery of a waste energy treatment facility completed in Taiwan (Nei-Hu, Taipei City)	
<b>1995</b> Amagasaki Head Office Building completed			
<b>1997</b> ISO9001 certification obtained		<b>1998</b> Japan's largest Energy from Waste plant delivered (Tokyo Shinkoto Waste Treatment Plant capacity: 1,800 tons per day)	 Tokyo Shinkoto Waste Treatment Plant
<b>1999</b> ISO14001 certification obtained for our Harima Factory			
<b>2005</b> Takuma Hanyokikai Co., Ltd., a subsidiary involved in the manufacture and sale of small boilers, and Ebara Boiler Co., Ltd., merged and renamed Nippon Thermoener Co., Ltd.	 Nippon Thermoener Co., Ltd. logo	<b>2005</b> The first delivery of a waste energy treatment facility completed in China (Tianjin City)	 Waste energy treatment facility in China
	2000		
	2010	<b>2010</b> Energy from Waste plant delivered in Europe (U.K.)	 Energy from Waste plant in Europe
<b>2013</b> Operation of the Takuma Solar Power Plant began (Harima Factory)	 Takuma Solar Power Plant	<b>2012 - 2013</b> Installation and operation of temporary incinerators to process disaster waste from the Great East Japan Earthquake	 Temporary incinerators for disaster waste

# The Takuma Group Network



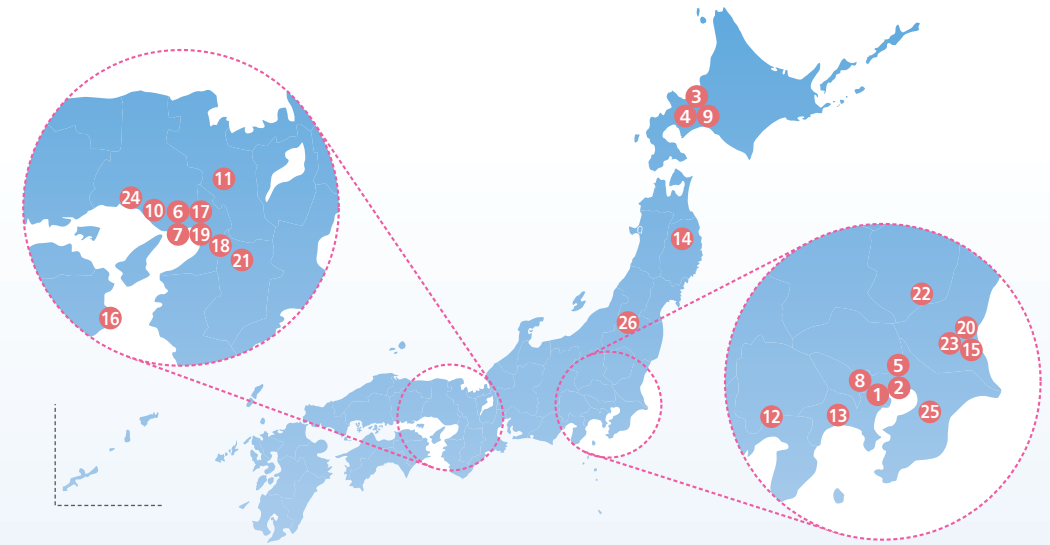
## Takuma's business offices

- 1 Head Office**  
2-2-33 Kinrakuji-cho, Amagasaki, Hyogo  
660-0806, Japan  
TEL +81-6-6483-2609 FAX +81-6-6483-2751  
<http://www.takuma.co.jp>
- 2 Osaka Office**  
Daiken Bldg., 2-3-20 Tsukamoto, Yodogawa-ku,  
Osaka 532-0026, Japan  
TEL +81-6-6100-3301 FAX +81-6-6100-3302
- 3 Tokyo Branch**  
Nomura Higashi-nihonbashi Bldg., 1-1-7 Higashi-  
nihonbashi, Chuo-ku, Tokyo 103-0004, Japan  
TEL +81-3-5822-7800 FAX +81-3-5822-7888
- 4 Hokkaido Branch**  
Daigo Bldg., 5-11, Ohdori Nishi, Chuo-ku,  
Sapporo, Hokkaido 060-0042, Japan  
TEL +81-11-221-4106 FAX +81-11-241-0523
- 5 Tohoku Branch**  
NMF Sendai Aoba-dori Bldg., 2-1-2 Ichibancho,  
Aoba-ku, Sendai, Miyagi 980-0811, Japan  
TEL +81-22-222-3042 FAX +81-22-225-6759

- 6 Chubu Branch**  
Daitokai Bldg., 3-22-8, Meieki, Nakamura-ku,  
Nagoya, Aichi 450-0002, Japan  
TEL +81-52-571-5211 FAX +81-52-581-3005
- 7 Kyushu Branch**  
Yakuin Business Garden, 1-1-1 Yakuin, Chuo-ku,  
Fukuoka 810-0022, Japan  
TEL +81-92-717-2828 FAX +81-92-717-2830
- 8 Okinawa Branch**  
Commons Bldg., 1-11-12 Mashiki, Ginowan,  
Okinawa 901-2224, Japan  
TEL +81-98-898-6650 FAX +81-98-898-6657
- 9 Harima Factory**  
1-2-1 Shinhami, Arai-cho, Takasago, Hyogo  
676-8540, Japan  
TEL +81-79-443-6511 FAX +81-79-443-6599
- 10 Taipei Branch**  
7F., No.16, Lane 35, Jihu Rd., Neihs District,  
Taipei 114-92, Taiwan  
TEL +886-2-8752-3838 FAX +886-2-2656-0584

## Overseas group companies

- 1 Taiden Environtech Co., Ltd. (Taiwan)**  
Design, installation and superintendence of waste  
treatment facilities and a wide variety of industrial  
machinery and equipment  
7F., No. 16, Lane 35, Jihu Rd., Neihs District,  
Taipei 114-92, Taiwan  
TEL +886-2-2659-7137 FAX +886-2-2656-0584
- 2 SIAM TAKUMA Co., Ltd. (Thailand)**  
Sale of energy and environment-related plants,  
sales of parts for the same plants and after-sales  
service  
77/53 Sinn Sathorn Tower, 15th Floor,  
Krungdhonburi Road, Klongtongsai, Klongsarn,  
Bangkok 10600, Thailand  
TEL +66-2-4385616 FAX +66-2-4400114



## Group companies in Japan

- 1 Nippon Thermoener Co., Ltd.**  
Sales of a wide range of boilers and related equipment  
Shirokanedai Bldg., 3-2-10 Shirokanedai,  
Minato-ku, Tokyo 108-0071, Japan  
TEL +81-3-6408-8251 FAX +81-3-6408-8278  
<http://www.n-thermo.co.jp/>
- 2 Takuma Technos Co., Ltd.**  
Maintenance, management and operation of waste  
treatment facilities, excreta processing facilities and  
other facilities, as well as the design, installation and  
management of various types of boilers, environmental  
equipment and other equipment  
10th Chuo Bldg., 1-5-6 Nihonbashi, Chuo-ku,  
Tokyo 103-0023, Japan  
TEL +81-3-3231-2911 FAX +81-3-3231-2917  
<http://www.takumatechnos.co.jp/>
- 3 Hokkaido Sanitary Maintenance Co., Ltd.**  
Operation and maintenance of sewage treatment facilities  
Daigo Bldg., 5-11, Ohdori Nishi, Chuo-ku,  
Sapporo, Hokkaido 060-0042, Japan  
TEL +81-11-221-8398 FAX +81-11-221-8542
- 4 Takuma Technos Hokkaido Co., Ltd.**  
Operation and maintenance of waste treatment facilities  
Daigo Bldg., 5-11, Ohdori Nishi, Chuo-ku,  
Sapporo, Hokkaido 060-0042, Japan  
TEL +81-11-221-4128 FAX +81-11-221-1030
- 5 Sun Plant Co., Ltd.**  
Design, construction and superintendence of  
air-conditioning equipment, feed-water/drainage  
sanitation equipment, and electrical equipment  
Nomura Higashi-nihonbashi Bldg., 1-1-7 Higashi-  
nihonbashi, Chuo-ku, Tokyo 103-0004, Japan  
TEL +81-3-5825-0921 FAX +81-3-5825-1631  
<http://www.sunplant.co.jp/>
- 6 Takuma Engineering Co., Ltd.**  
Design of environmental equipment plants and energy  
plants  
Takuma Bldg., 2-2-33 Kinrakuji-cho, Amagasaki,  
Hyogo 660-0806, Japan  
TEL +81-6-6487-4820 FAX +81-6-6487-4829  
<http://www.takuma-eng.co.jp/>
- 7 Takuma System Control Co., Ltd.**  
Design of electrical instrumentation equipment, including  
environmental equipment plants and energy plants  
Takuma Bldg., 2-2-33 Kinrakuji-cho, Amagasaki,  
Hyogo 660-0806, Japan  
TEL +81-6-6487-4830 FAX +81-6-6487-4839  
<http://www.takuma-sc.co.jp/>
- 8 Dan-Takuma Technologies Inc.**  
Manufacture and sale of clean equipment, cleaning  
equipment, chemical filters, clean rooms, drying  
equipment and thermal chambers  
3-12-16 Iwadokita, Komae, Tokyo 201-0004, Japan  
TEL +81-3-3488-1111 FAX +81-3-3488-1118  
<http://www.dan-net.com/>
- 9 Kyoritsu Setsubi Co., Ltd.**  
Design, construction and superintendence of Energy from  
Waste Plant, mechanical equipment of sewage treatment  
facilities, and boiler plants for general industries  
5-1-38 Yurigahara, Kita-ku, Sapporo, Hokkaido  
002-8081, Japan  
TEL +81-11-770-2811 FAX +81-11-770-2822
- 10 Kankyo Sol-Tech Co., Ltd.**  
Analyzing and measurement for environment-related issues,  
including water quality, exhaust gas and soil pollution  
1-2-1 Shinhami, Arai-cho, Takasago, Hyogo  
676-8540, Japan  
TEL +81-79-443-6508 FAX +81-79-443-6510  
<http://www.k-soltech.co.jp/>
- 11 Campo Recycle Plaza Co., Ltd.**  
Municipal solid waste and industrial waste treatment  
services  
1 Takayanishitani, Sonobe-cho, Nantan, Kyoto  
622-0032, Japan  
TEL +81-771-68-3636 FAX +81-771-68-3639  
<http://www.c-rp.co.jp/>
- 12 Nagaizumi High Trust Co., Ltd.**  
Facility upgrading, operation and maintenance of  
municipal solid waste final disposal sites  
374-12 Higashino, Nagaizumi-cho, Suntou-gun,  
Shizuoka 411-0931, Japan  
TEL +81-55-989-2268 FAX +81-55-987-9935  
<http://www.nagaizumi-ht.jp/>
- 13 Fujisawa High Trust Co., Ltd.**  
Operation and maintenance management of municipal  
solid waste treatment facilities  
2168 Ishikawa, Fujisawa, Kanagawa 252-0815,  
Japan  
TEL +81-466-45-5411 FAX +81-466-45-5454
- 14 Iwate-Kenpoku Clean Co., Ltd.**  
Industrial and municipal solid waste treatment services  
48-34, Dai 20 Chiwari, Esashika, Kunohe-mura,  
Kunohe-gun, Iwate 028-6505, Japan  
TEL +81-195-42-4085 FAX +81-195-42-4550  
<http://www.iwate2cln.co.jp/>
- 15 Hitachinaka-Tokai High Trust Co., Ltd.**  
Operation and maintenance management of municipal  
solid waste treatment facilities  
103-2 Shinkocho, Hitachinaka, Ibaraki 312-0005,  
Japan  
TEL +81-29-265-5371 FAX +81-29-265-5372  
<http://hitachinaka-tokai-ht.com/>
- 16 Anan High Trust Co., Ltd.**  
Operation and maintenance management of municipal  
solid waste treatment facilities  
1-5 Kokatsu, Tachibana-cho, Anan, Tokushima  
779-1631, Japan  
TEL +81-884-49-5823 FAX +81-884-49-5824  
<http://www.ecopark-anan.com/>
- 17 Takuma Energy Co., Ltd.**  
Power retail business  
Takuma Bldg., 2-2-33 Kinrakuji-cho, Amagasaki,  
Hyogo 660-0806, Japan  
TEL +81-6-6487-4870 FAX +81-6-6483-2794
- 18 Energy Mate Co., Ltd.**  
Sale of cogeneration systems and systems for the  
generation equipment of the same and total service  
for onsite energy systems for consumer use  
Midosuji Daiwa Bldg., 3-6-8 Kyutaromachi,  
Chuo-ku, Osaka 541-0056, Japan  
TEL +81-6-6241-6200 FAX +81-6-6241-6210  
<http://www.energy-mate.co.jp/>
- 19 Takuma Plant Service Co., Ltd.**  
Maintenance of a wide variety of boilers and  
environmental facilities  
2-2-27 Kinrakuji-cho, Amagasaki, Hyogo  
660-0806, Japan  
TEL +81-6-6488-8434 FAX +81-6-6488-0300  
<http://www.takuma-ps.com/index.html>
- 20 Biopower Katsuta Co., Ltd.**  
Sale of power generated using biomass energy from  
wood fuel chips  
1974-1 Koya, Hitachinaka, Ibaraki 312-0002, Japan  
TEL +81-29-270-3341 FAX +81-29-270-3343
- 21 Kashihara High Trust Co., Ltd.**  
Operation and maintenance management of municipal  
solid waste treatment facilities  
1038-2 Kawanishi-cho, Kashihara, Nara  
634-0826, Japan  
TEL +81-744-26-6227 FAX +81-744-26-6228
- 22 Tochigi High Trust Co., Ltd.**  
Industrial waste treatment services  
18-3 Kinugaoka, Moka, Tochigi 321-4367, Japan  
TEL +81-285-83-3966 FAX +81-285-83-6500  
<http://www.t-hitrust.co.jp/>
- 23 Katsuta Co., Ltd.**  
Industrial waste and municipal solid waste treatment  
services  
1968-2 Koya, Hitachinaka, Ibaraki 312-0002, Japan  
TEL +81-29-270-3711 FAX +81-29-270-3712  
<http://www.eco-katsuta.com/>
- 24 R.B.N. Co., Ltd.**  
Municipal solid waste, including waste home  
appliances and office automation equipment, and  
industrial waste treatment services  
3059-20 Nakajima, Shikama-ku, Himeji, Hyogo  
672-8035, Japan  
TEL +81-79-243-1200 FAX +81-79-243-1202
- 25 Ichihara New Energy Co., Ltd.**  
Industrial and municipal solid waste treatment services  
733 Mandano, Ichihara, Chiba 290-0549, Japan  
TEL +81-436-50-8300 FAX +81-436-50-8400  
<http://www.ichihara-new.com/>
- 26 Ecos Yonezawa Co., Ltd.**  
Final disposal of industrial waste  
7028-1 Yanazawa, Yonezawa, Yamagata  
992-0077, Japan  
TEL +81-238-39-4050 FAX +81-238-39-4051  
<http://www.ecos-y.co.jp/>



# Financial Highlights

## Trend in Principal Management Indicators and Other Financial Data

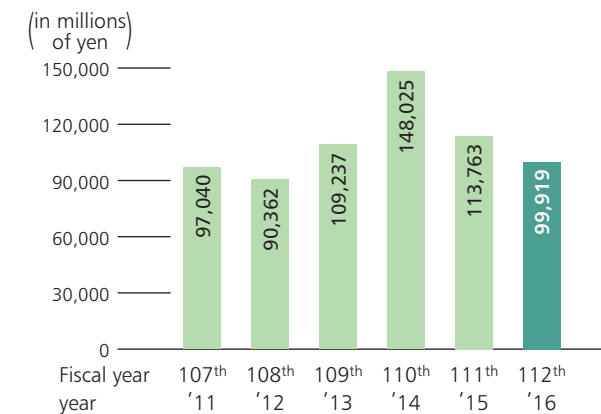
Fiscal year	107 <sup>th</sup> (millions of yen)	108 <sup>th</sup> (millions of yen)	109 <sup>th</sup> (millions of yen)	110 <sup>th</sup> (millions of yen)	111 <sup>th</sup> (millions of yen)	112 <sup>th</sup> (millions of yen)	112 <sup>th</sup> (Thousands of U.S.dollars)
End of fiscal year	March 2011	March 2012	March 2013	March 2014	March 2015	March 2016	March 2016
Net sales	¥ 89,141	¥ 101,015	¥ 96,384	¥ 96,334	¥ 103,875	¥ 113,088	\$1,003,626
Operating income	¥ 3,563	¥ 6,429	¥ 6,241	¥ 8,424	¥ 8,223	¥ 9,189	\$ 81,553
Ordinary income	¥ 4,397	¥ 7,336	¥ 7,168	¥ 9,449	¥ 9,116	¥ 9,646	\$ 85,607
Profit attributable to owners of parent	¥ 1,821	¥ 4,212	¥ 6,145	¥ 8,835	¥ 8,030	¥ 7,817	\$ 69,374
Comprehensive income	¥ 638	¥ 4,935	¥ 6,712	¥ 9,935	¥ 9,398	¥ 7,149	\$ 63,448
Net assets	¥ 23,901	¥ 28,308	¥ 34,653	¥ 43,889	¥ 52,516	¥ 58,809	\$ 521,916
Total assets	¥ 100,848	¥ 107,028	¥ 106,754	¥ 108,520	¥ 123,127	¥ 132,614	\$1,176,912
Net assets per share	¥ 286.27	¥ 339.20	¥ 415.92	¥ 527.50	¥ 631.53	¥ 708.18	\$ 6.28
Net income per share	¥ 22.03	¥ 50.94	¥ 74.32	¥ 106.86	¥ 97.12	¥ 94.55	\$ 0.84
Diluted net income per share	—	—	—	—	—	—	—
Capital adequacy ratio (%)	23.5	26.2	32.2	40.2	42.4	44.1	44.1
Return on equity (%)	7.8	16.3	19.7	22.7	16.8	14.1	14.1
Price-to-earnings ratio	12.9	8.1	7.4	6.9	9.7	10.7	10.7
Cash flows from operating activities	¥ (3,895)	¥ 4,565	¥ 17,465	¥ 8,270	¥ 21,727	¥ 6,728	\$ 59,711
Cash flows from investing activities	¥ 230	¥ 270	¥ (59)	¥ (1,430)	¥ (160)	¥ (445)	\$ (3,953)
Cash flows from financing activities	¥ 8,000	¥ (2,494)	¥ (8,887)	¥ (5,867)	¥ (3,707)	¥ (2,900)	\$ (25,733)
End-of-year balance of cash and cash equivalents	¥ 15,510	¥ 17,384	¥ 26,005	¥ 27,030	¥ 45,008	¥ 48,335	\$ 428,961
Number of employees	3,235	3,187	3,288	3,315	3,266	3,366	3,366

Notes:

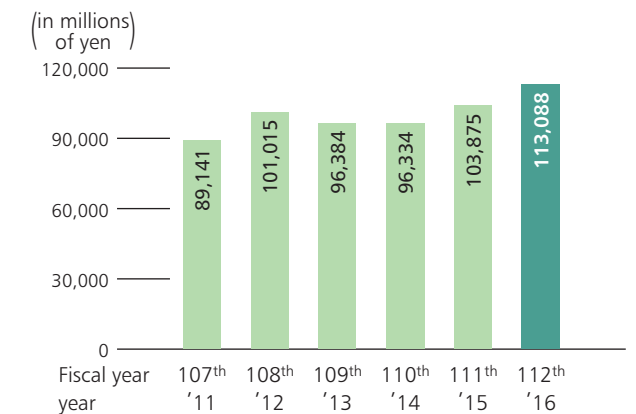
1. Net sales do not include consumption and other taxes (as used in this document, consumption tax is defined as the sum of consumption and local taxes).
2. Diluted net income per share has not been included as the company has no residual shares.
3. Ordinary income is a measure of accounting profit that equals operating income plus other income minus other expenses, except for extraordinary items under Japanese GAAP.

## Trend in Principal Management Indicators

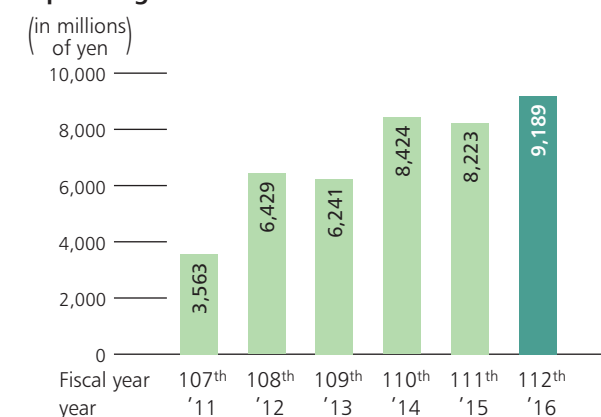
### Value of orders received



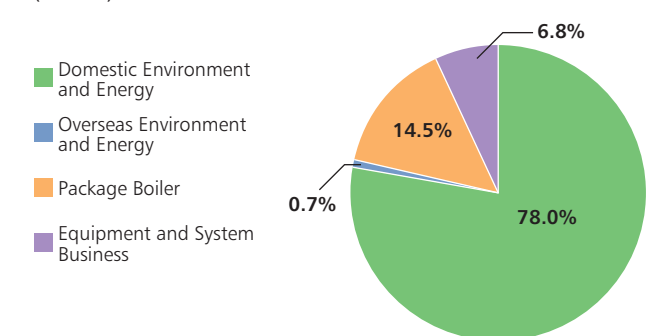
### Net sales



### Operating income

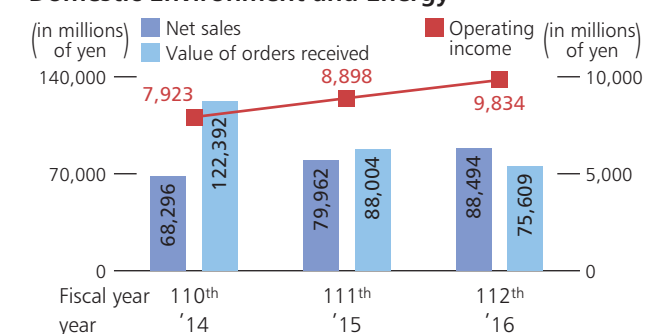


### Net sales composition ratios (FY2015)

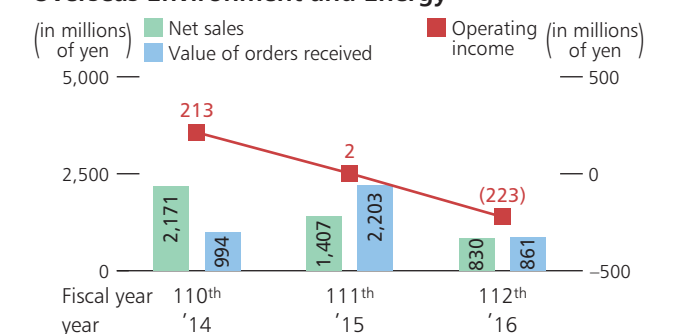


## Trend by Segment

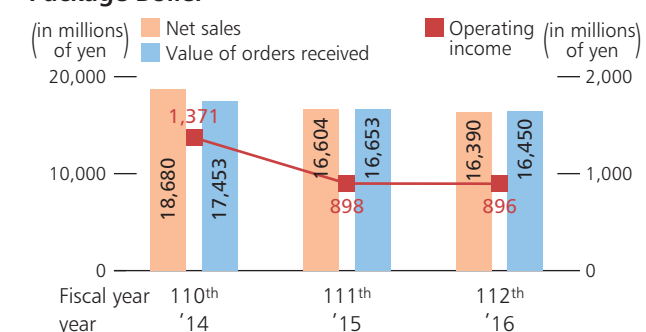
### Domestic Environment and Energy



### Overseas Environment and Energy



### Package Boiler



### Equipment and System Business

