

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, 2017)
 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): 824 (as of March 31, 2017)
 Number of employees (consolidated): 3,447 (as of March 31, 2017)

Permits and registrations

Head Office, branch offices and other business offices

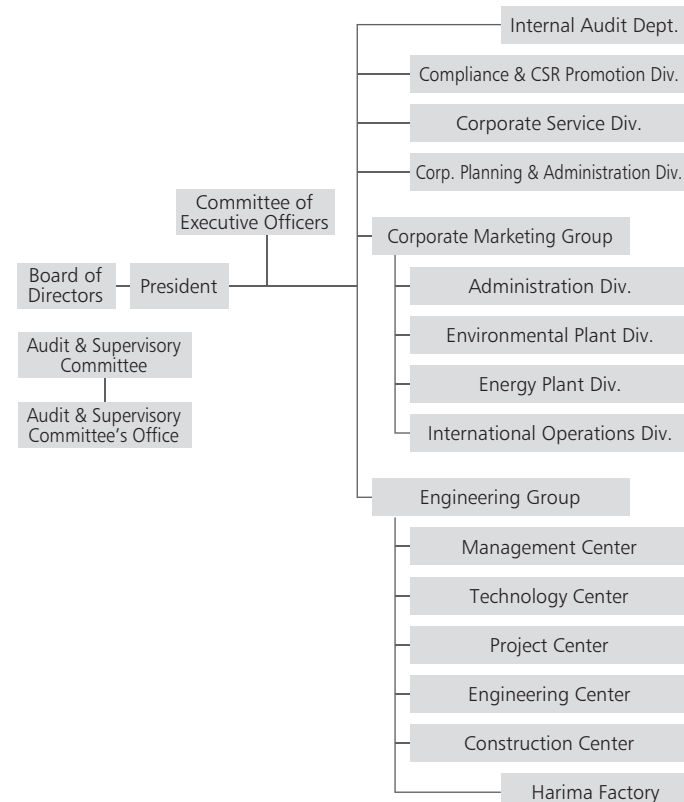
Construction license (Minister of Land, Infrastructure, Transport and Tourism license, Special 27-6129)
 Construction consultant registration (Minister of Land, Infrastructure, Transport and Tourism registration, Construction 26-10202)
 First-class architect office registration (01A02903)
 ISO 9001 quality 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, 2017)



The History of Takuma

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

The Takuma Group Network

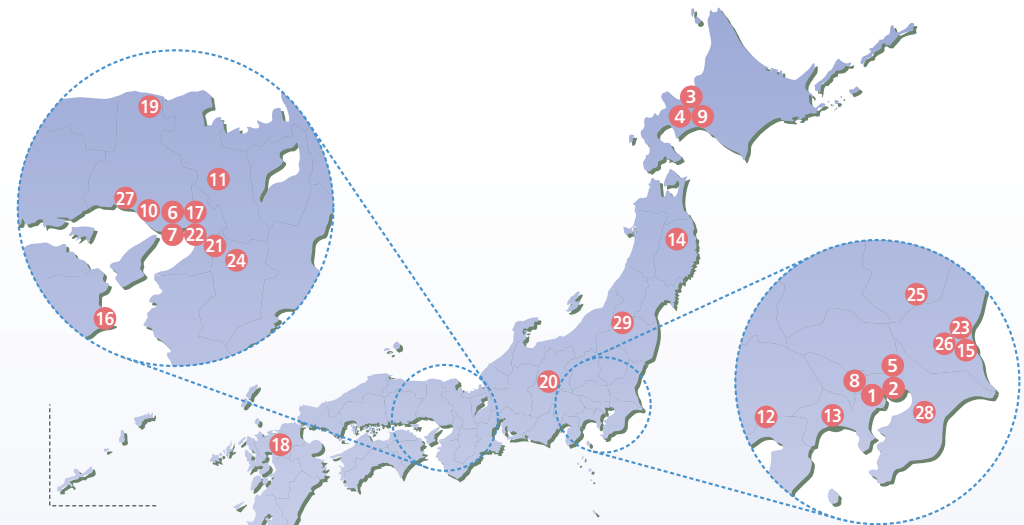


Takuma's business offices

- 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 Shinhama, 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., Neihu District,
Taipei 114-92, Taiwan
TEL +886-2-8752-3838 FAX +886-2-2656-0584

Overseas group companies

- 1 Taiden Environtech Co., Ltd. (Taiwan)**
Maintenance of waste treatment and other
facilities
7F., No. 16, Lane 35, Jihu Rd., Neihu 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,
Krungthongburi Road, Klongtong, Klongsarn,
Bangkok 10600, Thailand
TEL +66-2-4385616 FAX +66-2-4400114



Group companies in Japan

- 1 Nippon Thermoener Co., Ltd.**
Manufacture and sale 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, water treatment 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 waste
treatment facilities, 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 Shinhama, Arai-cho, Takasago, Hyogo
676-0008, 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.**
Municipal solid and industrial 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 Kurume High Trust Co., Ltd.**
Operation and maintenance management of a
municipal solid waste treatment facilities
2225 Hacchojima, Miyanojin-machi, Kurume,
Fukuoka 839-0805, Japan
TEL +81-942-27-7490 FAX +81-942-27-7491
<http://www.kurume-ht.com/>
- 19 Hokutan High Trust Co., Ltd.**
Operation and maintenance management of a
municipal solid waste treatment facilities
943 Booka, Takeno-machi, Toyooka, Hyogo
669-6331, Japan
TEL +81-796-21-9111 FAX +81-796-21-9112
<http://www.hokutan-ht.com/>
- 20 Suwako High Trust Co., Ltd.**
Operation and maintenance management of a
municipal solid waste treatment facilities
4769-14 Uchiyama, Okaya, Nagano 394-0055,
Japan
TEL +81-266-78-1590 FAX +81-266-78-1591
<http://www.suwako-ht.jp/>
- 21 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/>
- 22 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>
- 23 Biopower Katsuta Co., Ltd.**
Wood biomass power generation business
1974-1 Koya, Hitachinaka, Ibaraki 312-0002,
Japan
TEL +81-29-270-3341 FAX +81-29-270-3343
- 24 Kashiwara High Trust Co., Ltd.**
Operation and maintenance management of municipal
solid waste treatment facilities
1038-2 Kawanishi-cho, Kashiwara, Nara
634-0826, Japan
TEL +81-29-270-6227 FAX +81-29-270-6228
- 25 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/>
- 26 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/>
- 27 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
- 28 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/>
- 29 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/>

Trend in Principal Management Indicators and Other Financial Data

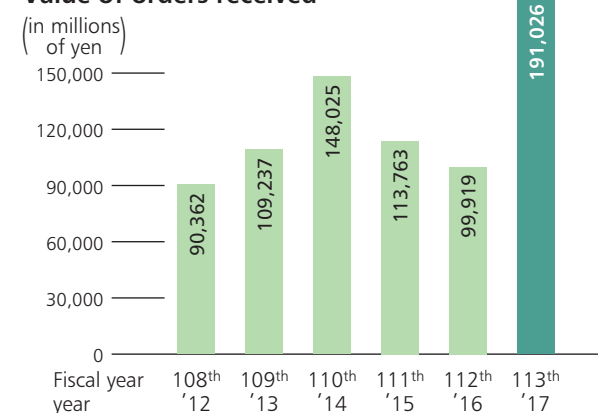
Fiscal year	108 th (Millions of yen)	109 th (Millions of yen)	110 th (Millions of yen)	111 th (Millions of yen)	112 th (Millions of yen)	113 th (Millions of yen)	113 th (Thousands of U.S. dollars)
End of fiscal year	March 2012	March 2013	March 2014	March 2015	March 2016	March 2017	March 2017
Net sales	¥ 101,015	¥ 96,384	¥ 96,334	¥ 103,875	¥ 113,088	¥ 116,309	\$ 1,036,717
Operating income	¥ 6,429	¥ 6,241	¥ 8,424	¥ 8,223	¥ 9,189	¥ 10,974	\$ 97,815
Ordinary income	¥ 7,336	¥ 7,168	¥ 9,449	¥ 9,116	¥ 9,646	¥ 11,606	\$ 103,446
Profit attributable to owners of parent	¥ 4,212	¥ 6,145	¥ 8,835	¥ 8,030	¥ 7,817	¥ 8,551	\$ 76,217
Comprehensive income	¥ 4,935	¥ 6,712	¥ 9,935	¥ 9,398	¥ 7,149	¥ 9,937	\$ 88,569
Net assets	¥ 28,308	¥ 34,653	¥ 43,889	¥ 52,516	¥ 58,809	¥ 67,727	\$ 603,682
Total assets	¥ 107,028	¥ 106,754	¥ 108,520	¥ 123,127	¥ 132,614	¥ 140,201	\$ 1,249,675
Net assets per share (JPY or USD)	¥ 339.20	¥ 415.92	¥ 527.50	¥ 631.53	¥ 708.18	¥ 815.77	\$ 7.27
Net income per share (JPY or USD)	¥ 50.94	¥ 74.32	¥ 106.86	¥ 97.12	¥ 94.55	¥ 103.43	\$ 0.92
Diluted net income per share (JPY or USD)	—	—	—	—	—	—	—
Capital adequacy ratio (%)	26.2	32.2	40.2	42.4	44.1	48.1	48.1
Return on equity (%)	16.3	19.7	22.7	16.8	14.1	13.6	13.6
Price-to-earnings ratio	8.1	7.4	6.9	9.7	10.7	10.5	10.5
Cash flows from operating activities	¥ 4,565	¥ 17,465	¥ 8,270	¥ 21,727	¥ 6,728	¥ 9,590	\$ 85,483
Cash flows from investing activities	¥ 270	¥ (59)	¥ (1,430)	¥ (160)	¥ (445)	¥ 143	\$ 1,273
Cash flows from financing activities	¥ (2,494)	¥ (8,887)	¥ (5,867)	¥ (3,707)	¥ (2,900)	¥ (1,787)	\$ (15,930)
End-of-year balance of cash and cash equivalents	¥ 17,384	¥ 26,005	¥ 27,030	¥ 45,008	¥ 48,335	¥ 57,132	\$ 509,247
Number of employees	3,187	3,288	3,315	3,266	3,366	3,447	3,447

Note:

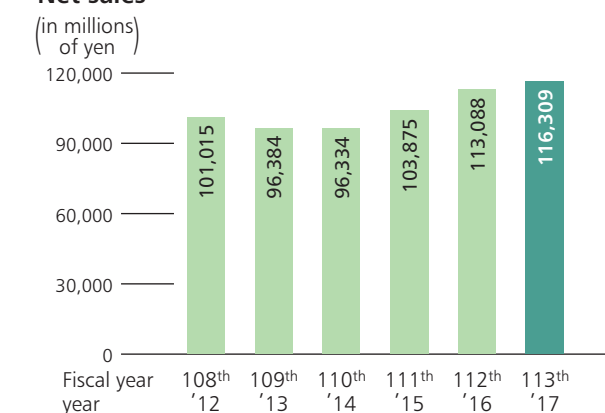
- U.S. dollar amounts are shown solely for the convenience of readers and are translated at the rate of ¥112.19 to U.S.\$1.00, the exchange rate prevailing at March 31, 2017.
- Ordinary income is a measure of accounting profit that equals operating income plus other income minus other expenses, except for extraordinary items under Japanese GAAP.

Trend in Principal Management Indicators

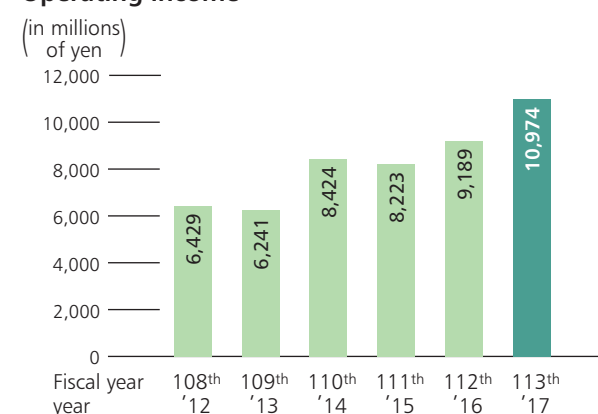
Value of orders received



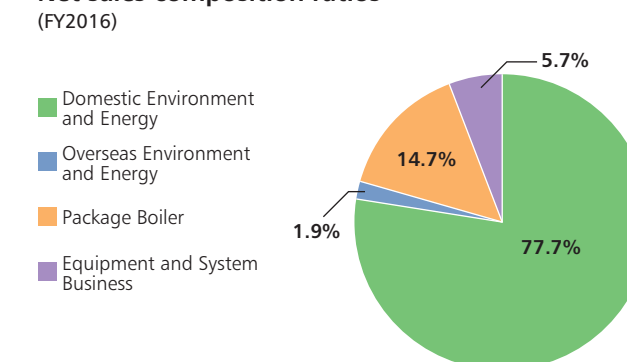
Net sales



Operating income

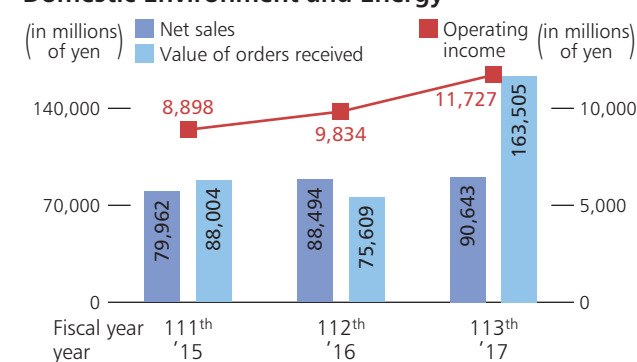


Net sales composition ratios (FY2016)

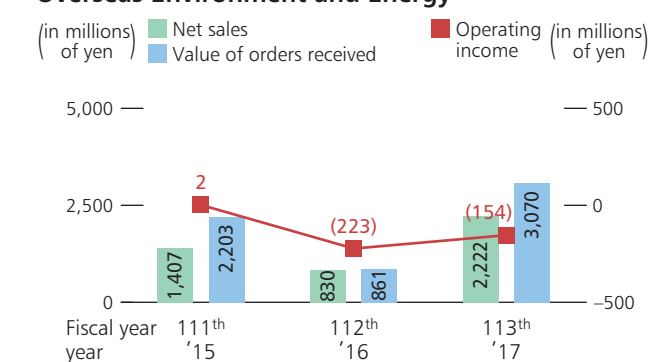


Trend by Segment

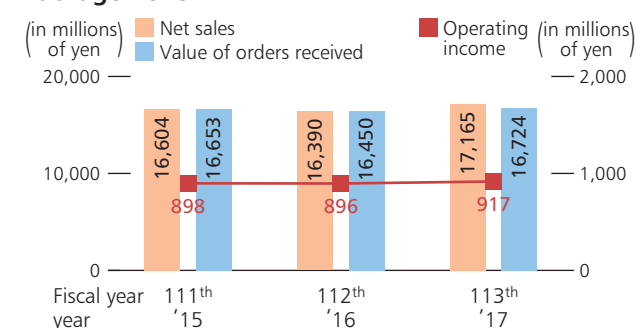
Domestic Environment and Energy



Overseas Environment and Energy



Package Boiler



Equipment and System Business

