

**ENE X** 2016



Smart Energy  
Japan 2016

New Power & Energy  
**EXPO** 2016

# Exhibition Report



**ECCJ**

*The Energy Conservation Center, Japan*



**ICS** Convention Design, Inc.

# Exhibition Overview

Name : **ENEX 2016** - Organized by Energy Conservation Center, Japan

**Smart Energy Japan 2016** - Organized by ICS Convention Design, Inc.

**New Power & Energy EXPO 2016** - Organized by Energy Conservation Center, Japan  
ICS Convention Design, Inc.

Date : January 27 (Wed.) - 29 (Fri.), 2016 10:00 - 17:00

Venue : Tokyo Big Sight (East Exhibition Hall 1-2)

Concurrent Events :

**InterAqua 2016**

7<sup>th</sup> International Water Solution Exhibition



**nano tech 2016**  
International Nanotechnology Exhibition & Conference



ADDITIVE MANUFACTURING TECHNOLOGY EXHIBITION  
**3D Printing 2016**

Surface Technology Creates New Business  
The 11th Advanced Surface Technology Exhibition & Conference

**ASTECC2016**

**SURTECH**  
2016

**neo functional**  
**material 2016**

**Printable Electronics 2016**



**3Decotech Expo2016**

# Our Features

## Special Breaks from the Government

Agency for Natural Resources and Energy (METI) Booth is largest.

(Ministry of Economy, Trade and Industry)

## Mainly Electric Power Companies exhibited

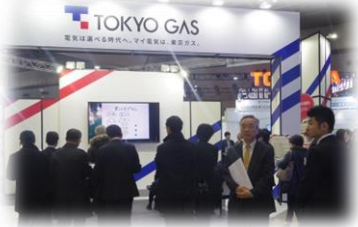
Tokyo Electric Power (TEPCO), Chubu Electric Power,  
Shikoku Electric Power, Kyushu Electric Power

## Content-rich Conference

Power regional investment promotion agencies,  
Japan Electric Power Exchange (JEPX), A.T. Kearney Japan,  
Tokyo Electric Power, Tokyo Gas, Chubu Electric Power etc.

# Our Exhibition Summary

## Exhibition



281

Exhibitors



436

Booths



11,461

Square Meters  
Floor Space



48,514

Visitors

## Seminar and Conference



119

Sessions



5,423

Attendees

## Business Matching



868

Business Matching  
Members



265

One to One  
Business Meeting

# Social Program

## Opening Ceremony – Ribbon Cutting

January 27 (Wed.) 09:50-10:00



### Guest Speech

**Mr. Tsuyoshi Hoshino**  
Parliamentary Vice-Minister of Economy, Trade and Industry



### Ribbon Cutting Ceremony

**Mr. Tsuyoshi Hoshino**  
Parliamentary Vice-Minister of Economy, Trade and Industry  
**Mr. Toshiyuki Kanisawa**  
Vice Chairman, The Japan Gas Association (JGA)  
**Mr. Kenichi Mastuno**  
Chairman, Energy Conservation Grand Prize Committee  
**Mr. Yasushi Koizumi**  
President, ICS Convention Design Inc.  
**Mr. Yosaku Fuji**  
Chairman, The Energy Conservation Center, Japan

## Exhibitor's Networking Party

January 27 (Wed.) 17:30-19:30



### Guest Speech

**Mr. Keisuke Tsujimoto**  
Director,  
Energy Efficiency and Conservation Division



150 Exhibitors Attendee

## VIP Viewing

January 27 (Wed.) 09:10-9:45 / January 29 (Fri.) 13:30-14:20



**Mr. Tsuyoshi Hoshino**  
Parliamentary Vice-Minister of  
Economy, Trade and Industry  
etc.



**Mr. Motoo Hayashi**  
Minister of Economy, Trade and Industry

## Energy Conservation Grand Prize

January 27 (Wed.) 10:15-12:00



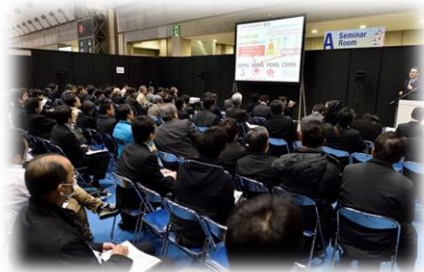
# Seminar and Conference

119

Sessions

5,423

Attendees



## Theme and Speaker

**Government Policy**

Ministry of Economy, Trade and Industry,  
Kanto Bureau of Economy, Trade and Industry  
Hamamatsu City, Shiojiri City, Sakishiro Town etc.

**Electricity Deregulation**

Power Regional Investment Promotion Agencies,  
Japan Electric Power Exchange, A.T. Kearney Japan,  
Tokyo Electric Power, Tokyo Gas, Chubu Electric Power,  
British Embassy Tokyo, ROYAL DANISH EMBASSY etc.

**Renewable Energy**

Geo-Heat Promotion Association of Japan,  
National Institute of Advanced Industrial Science and Technology (AIST),  
Nihon Sekkei, Myoko City etc.

**Energy Saving**

TRANE JAPAN, Eco Air Solution, Toyo Engineering,  
National Institute of Advanced Industrial Science and Technology (AIST),  
Nagoya University, Kobe Steel, Nichias, Tokyo Denki University etc.

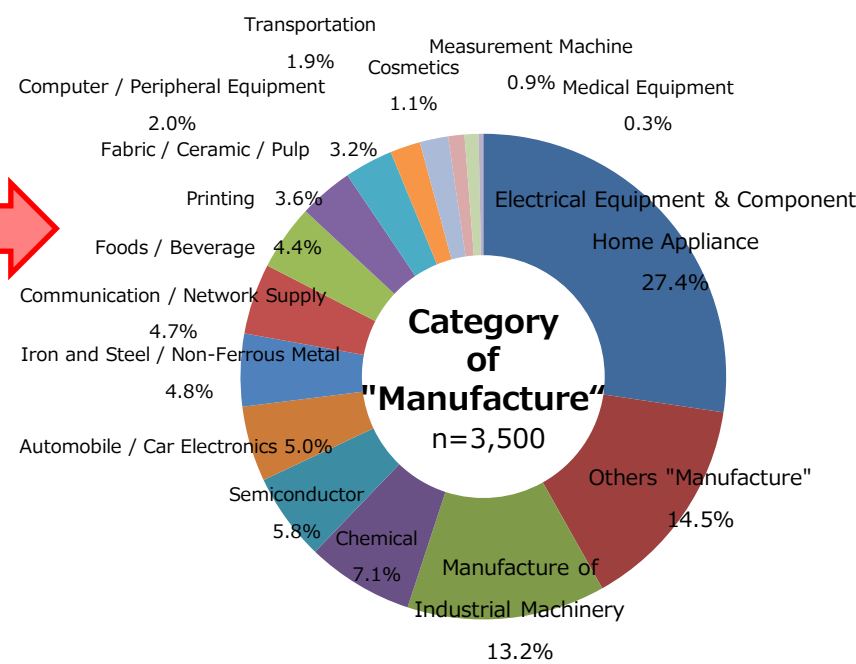
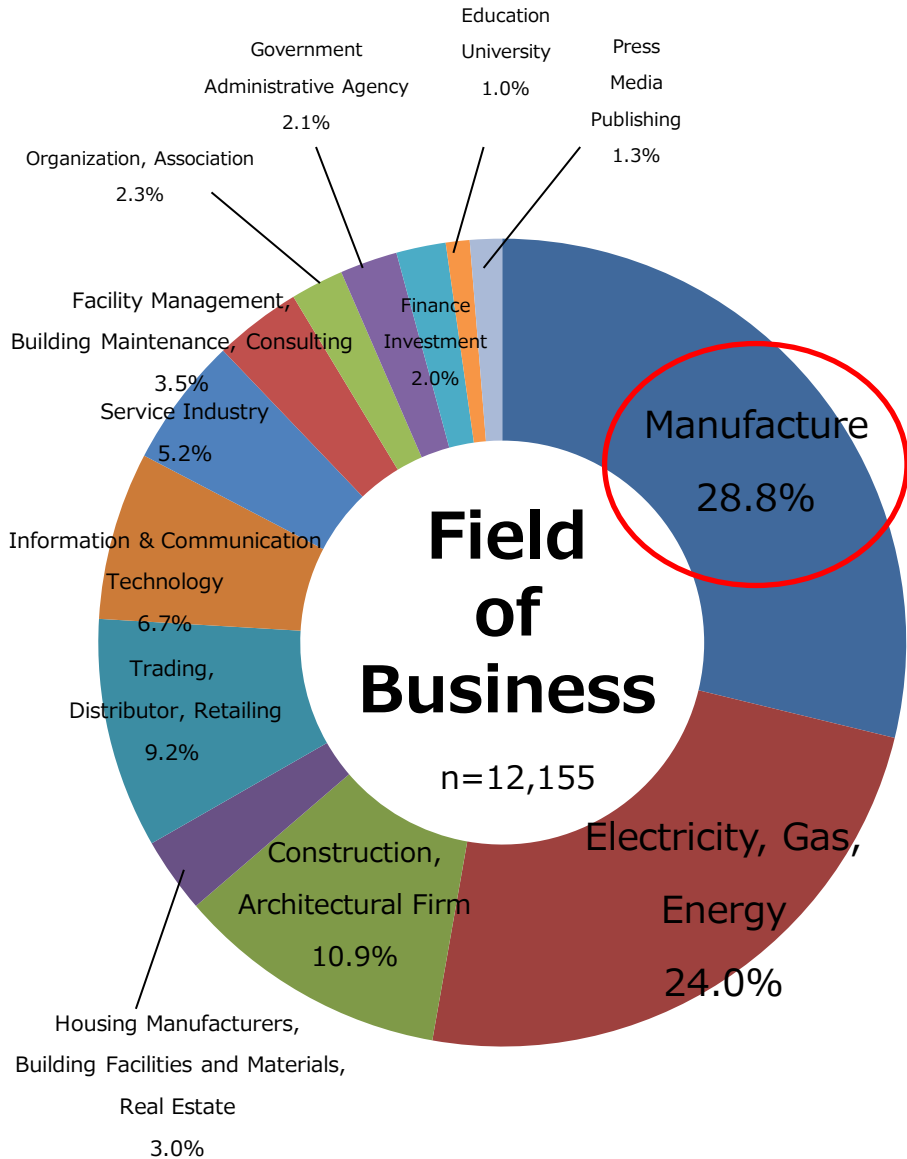
**Energy Management**

Kanagawa Institute of Technology, Smart Energy Laboratory,  
Smart System Verification and Validation Technology Association (SVA)  
Yokohama City, Fukuoka City, Osaka Institute of Technology etc.

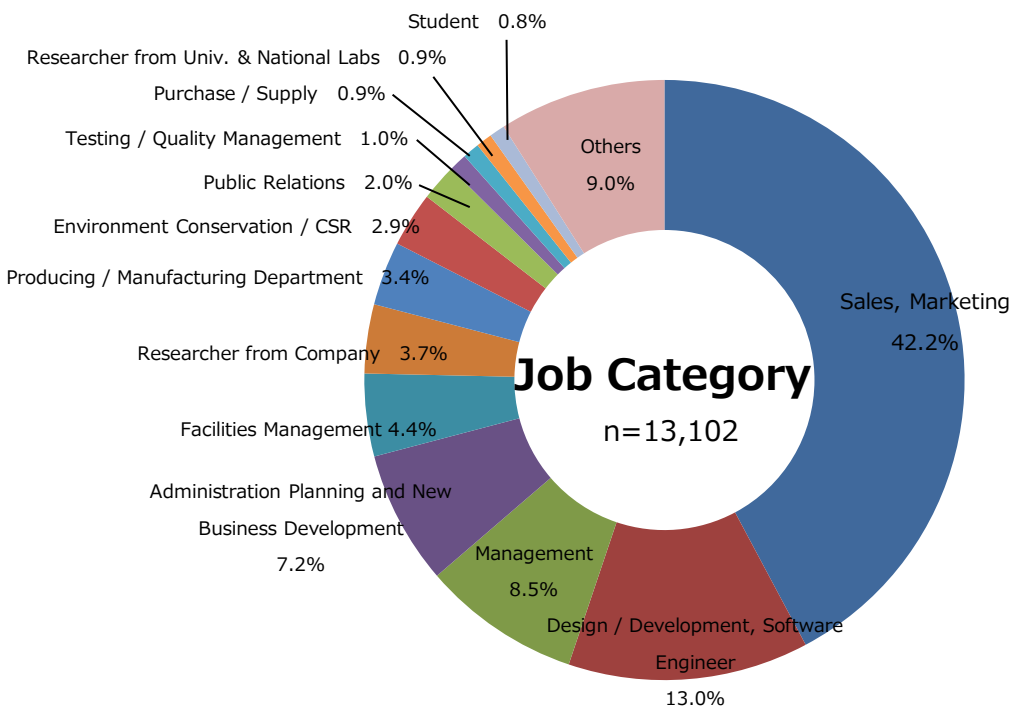
**Exhibitors Presentation**

eIDesign, Seiko Solutions, NIPPON SYSTEMWARE,  
Prospec Holdings, Eco Energy,  
Chuden CTI, FUJI ELECTRIC

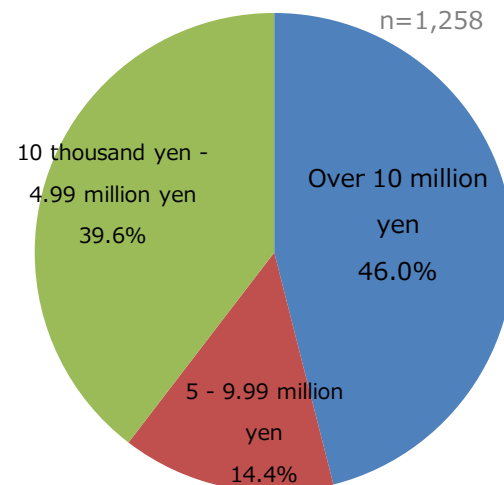
# Our Attendees Profile



# Our Attendees Profile



## Budget for technology and equipment <"Yes" only>



### Energy Management Control Officer

**3,078** attendees

Management, Administration Planning and New Business Development, Facilities Management, Producing / Manufacturing Department

### Qualified Person for Energy Management

**1,401** attendees

**46%** Over 10 million yen



# Interest Field <Multiple Answers>

## Interest Field TOP 20

n=11,437

Rank	Items	%
1	Photovoltaics	22.0%
2	Smart meter	20.2%
3	Building Energy Management System	19.7%
4	Power Retailing and Supply Service	18.3%
5	Air conditioner	16.6%
6	Home Energy Management System	16.3%
7	Energy Saving, Power Saving Support Service, Solution	14.3%
8	Energy-saving lighting	13.4%
9	Smart Grid System	13.1%
10	Energy Storage System	13.0%
11	Power Supply Service	12.8%
12	IoT/M2M (Machine-to-Machine)	11.9%
13	Factory Energy Management System	11.6%
14	Total Energy Service	11.5%
15	Energy Saving Diagnosis	11.0%
16	Biomass Generation	10.9%
17	Wind-generated electricity	10.3%
18	Support Services for Energy Saving and Power Saving	10.1%
19	HEMS Service	9.7%
20	Heat Pump, Heat Storage System	9.7%

# Interest Field <Multiple Answers>

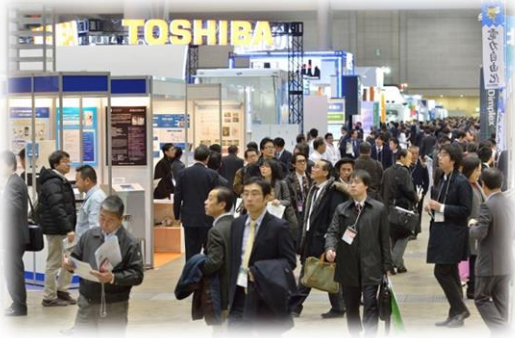
## Category of Interest Field <ALL>

n=11,437

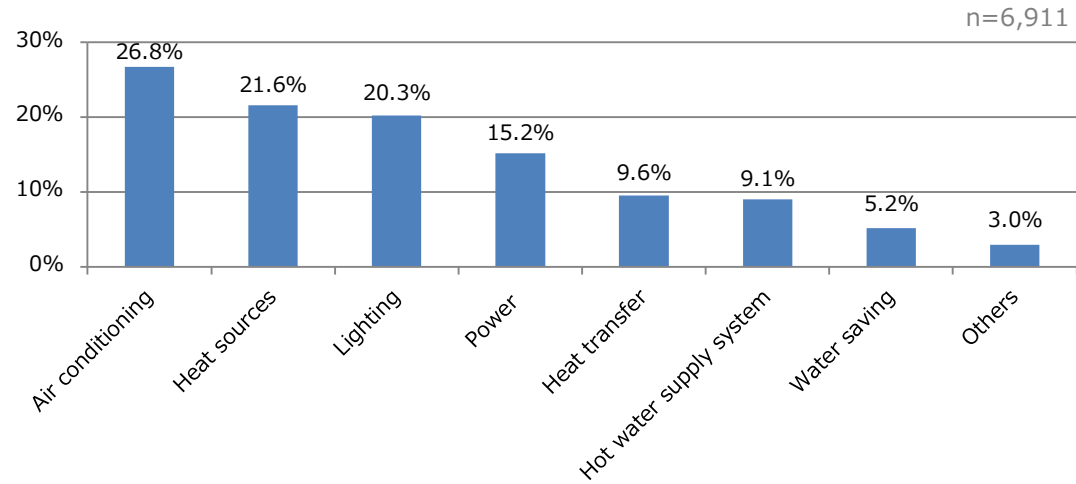
Category	Items	Attendees	%	Rank
Products Equipment Facilities	Smart meter	2,305	20.2%	2
	Air conditioner	1,896	16.6%	5
	Energy-saving lighting	1,528	13.4%	8
	Waste heat management facilities	1,036	9.1%	27
	Heat shield/ heat insulator	957	8.4%	31
	Cogeneration	948	8.3%	32
	Boiler	742	6.5%	45
	Power conditioner	742	6.5%	45
	Steam Trap	265	2.3%	63
	Energy Management	Building Energy Management System	2,251	19.7%
Home Energy Management System		1,862	16.3%	6
Factory Energy Management System		1,328	11.6%	13
Mansion Energy Management System		751	6.6%	42
Service Solution	Energy Saving, Power Saving Support Service, Solution	1,638	14.3%	7
	Power Supply Service	1,463	12.8%	11
	Total Energy Service	1,318	11.5%	14
	Energy Saving Diagnosis	1,258	11.0%	15
	Consulting	855	7.5%	38
	ESCO	643	5.6%	49
Electricity Deregulation	HEMS Service	1,113	9.7%	19
	Electricity buying and selling	1,051	9.2%	22
	Smart Meter System	1,041	9.1%	25
	Demand Response Service	917	8.0%	34
	IT Solution	748	6.5%	43
	Bulk Reception Service of High-Voltage Power	605	5.3%	50
	Negawatt Power Deal	486	4.2%	53
	Customer Analysis, Sales Support	458	4.0%	55
	Customer Management System	416	3.6%	57
	Outsourcing	302	2.6%	61
	Systems	Smart Grid System	1,499	13.1%
Energy Storage System		1,484	13.0%	10
Heat Pump, Heat Storage System		1,105	9.7%	20
Demand Response System		1,046	9.1%	24
Distributed Power Management		922	8.1%	33
Waste Heat Recovery System		910	8.0%	36
Heat Supply System		706	6.2%	47

Category	Items	Attendees	%	Rank
Renewable Energy	Photovoltaics	2,512	22.0%	1
	Biomass Generation	1,252	10.9%	16
	Wind-generated electricity	1,174	10.3%	17
	Geo-Heat	988	8.6%	29
	Hydroelectric Power Generation System	826	7.2%	39
	Geothermal Power Generation	812	7.1%	40
	Technology	IoT/M2M (Machine-to-Machine)	1,364	11.9%
Wireless Sensor Network		972	8.5%	30
Wireless Sensor		899	7.9%	37
Energy System Design and Development Tool		779	6.8%	41
Near Field Communication		534	4.7%	52
Energy Harvesting		352	3.1%	60
Reform of the power system and gas system	Power Retailing and Supply Service	2,090	18.3%	4
	Support Services for Energy Saving and Power Saving	1,159	10.1%	18
	HEMS Service	1,113	9.7%	19
	Power Transaction	1,051	9.2%	22
	Package sales of power and gas	993	8.7%	28
	Demand Response Service	917	8.0%	34
	IT Solutions	748	6.5%	43
	Big Data	696	6.1%	48
	Collectively Electricity Receiving Service	605	5.3%	50
	Negawatt Trading	486	4.2%	53
	Customer Analysis, Sales Support	458	4.0%	55
	Customer Management System	416	3.6%	57
	Wide Area Cooperation	364	3.2%	59
	Task Substituting Outsourcing	302	2.6%	61

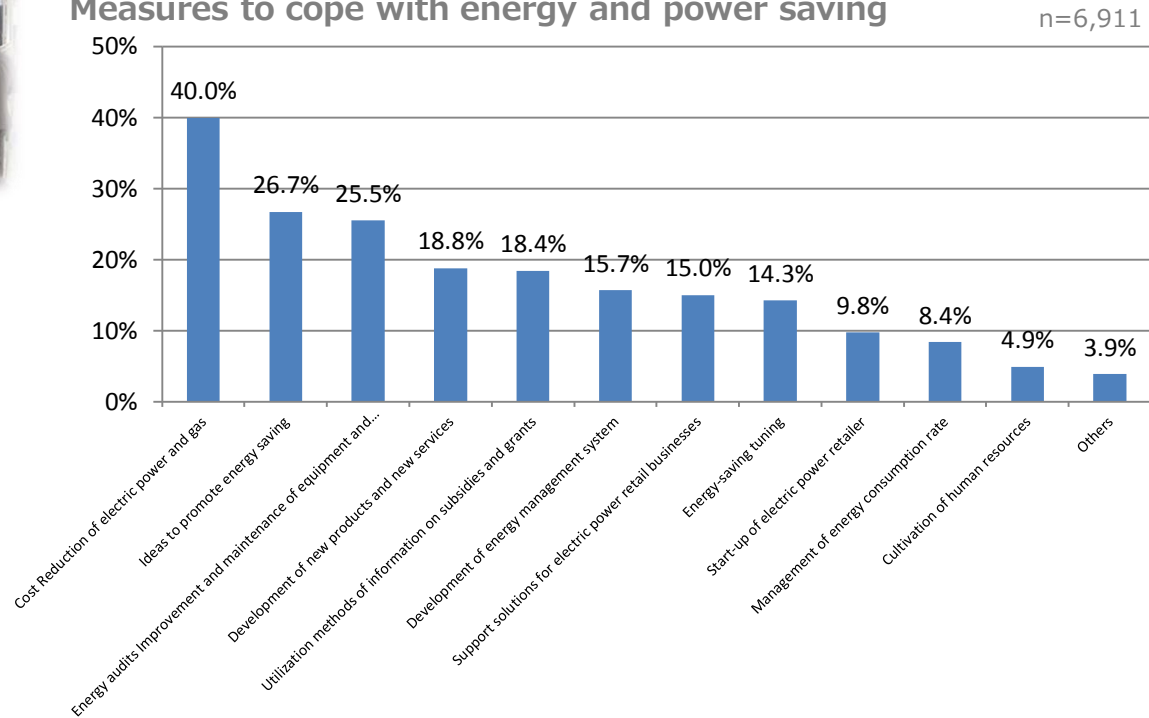
# Issues Concerning Energy Saving and Business <Multiple Answers>



## At plants, office buildings, commercial stores, and facilities



## Measures to cope with energy and power saving



# Attendee List

Excerpted Version

Electric Power Provider	Gas	Power Producer and Supplier	Construction, Architectural Firm
Tokyo Electric Power	Tokyo Gas	Tokyo Gas	SANKI ENGINEERING
Tohoku Electric Power	Keiyo Gas	F Bit Communications	Kandenko
Chubu Electric Power	Osaka Gas	INFINI	Hibiya Engineering
Kansai Electric Power	Higashinihon Gas	Synergia Power	SHIMIZU CORPORATION
Hokuriku Electric Power	Toho Gas	Panasonic Consumer Marketing	Takenaka Corporation
Hokkaido Electric Power	Otaki Gas	DENKA SINKI	OBAYASHI CORPORATION
Kyushu Electric Power	Shizuoka Gas.	NTT FACILITIES	Nihon Dengi
Chugoku Electric Power	Saibu Gas	Eco-Style	Takasago Thermal Engineering
Shikoku Electric Power	Hokkaido Gas	DAIWA ENERGY	ASAHI KOGYOSHA
Okinawa Electric Power	Lemon Gas	Toshiba	TONETS CORPORATION

Housing Manufacturers, Building Facilities and Materials, Real Estate	Manufacture Electrical Equipment & Component Home Appliance	Manufacture Manufacture of Industrial Machinery	Manufacture Chemical
DAIWA HOUSE INDUSTRY	Panasonic	Azbil	DIC
Panasonic	Toshiba	MIURA	SEKISUI CHEMICAL
LIXIL	Mitsubishi Electric	Fuji Electric	Nitto Denko
Rinnai	Fuji Electric	OMRON	KANEKA
Tokyo Gas Urban Development	Hitachi	DAIKIN INDUSTRIES	Asahi Glass
Sankyo Tateyama	Toshiba Carrier	MAYEKAWA MFG	Showa Denko
Asahi Kasei Homes	Hitachi Appliances	TAKAOKA TOKO	Japan Polyethylene
SEKISUI CHEMICAL	FUJITSU GENERAL	Richo	Denka
GASTAR	NITTO KOGYO	OSAKI ELECTRIC	MITSUBISHI GAS CHEMICAL
Mitsui Fudosan Residential	OSAKI ELECTRIC	IHI	Lion