INTRODUCTION of JASE-World

at FEALAC Eco-Business Promotion Conference "Energy Saving / Transportation"



13th November, 2012

Tokyo

Yoshihiko MURASAWA Secretary General, JASE-World



JASE-World was established in October, 2008





Mr. Hiromasa Yonekura, Chairman of JASE-W (Chairman of Japan Business Federation)



Members from Private Companies (72)

Asahi Glass Co., Ltd	Bank of Tokyo-Mitsubishi UFJ	Bridgestone Corporation	
Canon Inc.	CHIYODA CORPORATION	DAIKIN INDUSTRIES, Ltd.	
DAIWA HOUSE INDUSTRY CO., LTD	FUJIFILM Corporation	Electric Power Development Co.,Ltd	
EX Research Institute Ltd.	Fuji Electric Systems Co., Ltd	IHI Corporation	
Hitachi, Ltd.	Hitachi Zosen Corporation	Hokuriku Electric Power Company	
JFE Steel Corporation	ITOCHU Corporation	Japan Facility Solutions, Inc.	
JFE Engineering Corporation	JX Nippon Oil & Energy Corporation	JGC Corporation	
JP Steel Plantech Co.	KANSAI ELECTRIC POWER CO., INC	KANEKA CORPORATION	
KYOCERA Corporation	Kawasaki Heavy Industries, Ltd	Komatsu Ltd	
MAYEKAWA MFG. CO., LTD	KYUSHU ELECTRIC POWER CO. INC.	Marubeni Corporation	
Mitsubishi Corporation	MEIDENSHA CORPORATION	Mitsubishi Materials Corporation	
Mitsubishi Electric Corporation	MITSUBISHI HEAVY INDUSTRIES, LTD.	MITSUI CHEMICALS, INC.	
Mitsubishi UFJ Lease & Finance	MITSUI & CO., LTD.	Mizuho Corporate Bank, Ltd	
MITSUI Engineering & Shipbuilding Co., LTD.	Miura Co., Ltd.	NIHON MICHELIN TIRE CO., LTD.	
NEW JEC Inc.	NGK INSULATORS, LTD.	Nikken Sekkei Ltd	
Nippon Koei Co., Ltd	Nippon Steel & Sumitomo Metal Corporation	Nippon Steel & Sumikin Engineering Co., Ltd	
NISSEI Corporation	Osaka Gas Co., Ltd	Panasonic Corporation	
Sharp Corporation	SEKISUI CHEMICAL CO., LTD.	Sekisui House, Ltd.	
Sumitomo Chemical Co., Ltd	Sojitz Corporation	Solar Frontier K.K	
Sumitomo Rubber Industries	Sumitomo Corporation	Sumitomo Mitsui Banking Corporation	
Takasago Thermal Engineering Co.,Ltd	Tokyo Electric Power Co.,Inc	Tokyo Electron Co., Ltd	
TLV CO., LTD.	Toho Gas Co., Ltd.	Toyo Engineering Corporation	
Tokyo Gas Co., Ltd.	TOSHIBA Corporation	TNP PARTNERS, corporation	
Toyota Motor Corporation	TOYOTA TSUSHO CORPORATION	Yokogawa Electric Corporation	



Members from Associations & Authorities

20 Associations

Japan Association of Energy Service Companies	The Engineering Advancement Association of Japan (ENAA)
Japan Far Infrared Rays Association	Engineering and Consulting Firms Association, Japan
Kansai Economic Federation	Kansai-Asia Environmental and Energy-Saving Business Promotion Forum
The Energy Conservation Center, Japan	Japan Coal Energy Center
Japan Photovoltaic Energy Association	The Federation of Electric Power Companies of Japan
Japan Chemical Industry Association	Japan Electronics and Information Technology Industries Association
Japan Machinery Center for Trade and Investment	Nippon Keidanren (Japan Business Federation)
Japan Geothermal Developers' Council	Japan Construction Material & Housing Equipment Industries Federation
The Japan Iron and Steel Federation	The Japan Electrical Manufacturers' Association
Japan Consulting Institute	Heat Pump & Thermal Storage Technology Center of Japan

12 Government Organizations

The Ministry of Foreign Affairs of Japan Japan International Cooperation Agency Japan External Trade Organization The Institute of Energy Economics, Japan International Finance Corporation, Tokyo Office Japan Bank for International Cooperation The Ministry of Foreign Affairs of Japan New Energy and Industrial Technology Development Organization Nippon Export and Investment Insurance The World Bank Tokyo Office Asian Development Bank Japanese Representative Office Clean Association of TOKYO 23



Website of JASE-World





Activities through 4 Working Groups and 11 Sub-Working Groups

4 Working Group (WG)

Energy Saving Solution WG	Heat Pump & Inverter WG	Solar Power Generation WG	Geothermal Power Generation WG
Established the following	Dispatched a mission to	Dispatched a mission to	Started from September,
6 Sub-Working Groups	Hanoi, Vietnam in Jun.	Morocco and Egypt in Sep,	2010
	2009.	2010	

11 Sub Working Group (SWG)

Russia SWG	Waste to Energy SWG	Indonesia SWG	Indonesia SWG
Middle East SWG	Vietnam SWG	Latin America SWG	Latin America SWG
Latin America SWG	Energy Solutions for Commercial Sector SWG	Solar Thermal SWG	



Mission to Middle East (Jan 2010) with Mr. Matsushita, the Vice Minister of METI



Business forum in Saudi Arabia



Business forum in Qatar



Opening of WFES (Abu Dhabi)

Japanese Public Business Joint Mission

Heat Pump & Inverter WG

Mission to Vietnam (Jun. 2009) with a METI officer





Meeting with Hanoi Presentation at Hanoi University of Technology University of Technology









Ministry of Mineral Resources and Energy

Energy Center

National Renewable Government of Dornogobi Province

Geothermal Power Generation WG

Mission to Indonesia (Jul. 2011)



Ministry of Energy and Mineral



Japanese Business Alliance for Smart Energy Worldwide

Second Mission (Dec. 2011) to Indonesia with METI officer



Kickoff meeting at Ministry of **Energy and Mineral Resources**



Site visit of Ulumba Geothermal Power Generation Plant

Energy Saving Solution WG India SWG Second Mission (Dec. 2010) • First Mission (Dec. 2009) with a METI officer Meeting with FICCI Visit to Chambal Fertilisers and **Discussion with Chambal** Chemicals Ltd. Fertilisers and Chemicals Ltd. Waste to Energy SWG (Indonesia) • First Mission (Oct. 2010) with a METI officer Second Mission (Feb. 2011) with a METI officer Visit to Ministry of Public Works Ministry of Public Works East Java Latin America SWG (Brazil) • First Mission (Nov. 2011) with a METI officer



Business meeting at Rio de Janeiro



Seminar at Curitiba

Malaysia SWG

• First Mission (Oct. 2009) with a METI officer



Meeting with MEGTW (Ministry of Energy, Green Technology and Water)

• Second Mission (Jun. 2010)



Meeting with Department of Environment, Ministry of Natural Resources & Environment



Presentation at MMC (MMC Corporation SDN BHD)

Russia SWG

First Mission (Jul. 2010) with a METI officer



Meeting with REA



Signing a memorandum with REA





JASE-World participating in the Energy Conservation Seminar organized by JETRO, JBIC, REA and Sberbank

Singapore SWG

• First Mission (Nov. 2009) with a METI officer



Meeting with Energy Market Authority



Meeting with engineering firm UE, UEMA

• Second Mission (Feb. 2011)



Report of Energy Audit Results to Regent Hotel



International Promotion





MOU with REA, CCE, TERI & FICCI in 2010



REA (Russia) on 9th July





CCE (Mexico) on 13th July







TERI (India) on 20th July





FICCI (India) on 1st Sept.

For the purpose to establish cooperative relationship.



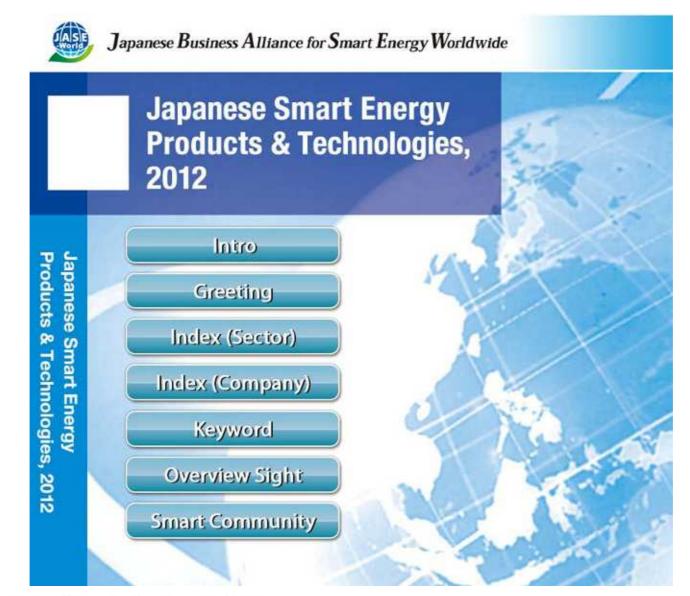
Website of JASE-World







Main MENU of Technology Catalogue





Catalogue of Japanese Smart Energy Products & Technologies"

- > 1st issued in March 2009, & revised every year so far,
- > 221 Technologies from 45 member companies
- Technologies are classified into 7 sectors so as to understand, and additionally into another sector of "Smart Community"
- Contact point is shown for each technology
- Downloaded easily from the website <u>http://www.jase-w.eccj.or.jp/technologies/index.html</u>
- Widely distributed through both sides of Embassies, METI, MOFA, JETRO, NEDO, IEEJ, JICA, JBIC, & JC-BASE etc.

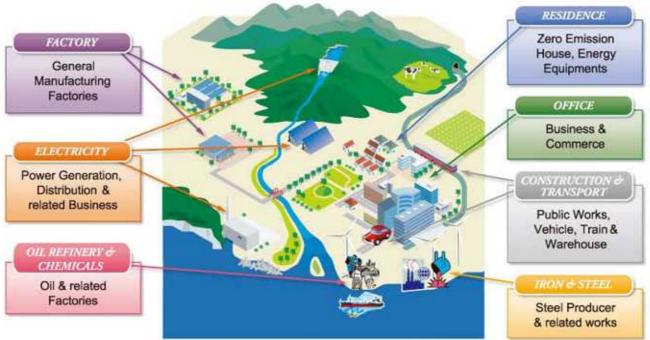


Compilation of Products & Technologies



Japanese Business Alliance for Smart Energy Worldwide





Piperine & photographic are provided by solutiony of the monthane of 2ABE-Hand same as being gives in the other sharks of anominentum



Sector View of "Residence"

I. RESIDENCE

Japanese Smart Energy Products & Technologies, 2012



Outlook of Zero-emission House



Kitchen

R-01: Energy-efficiency Household Refrigorator-Freezer

R-15: Energy-efficient Religerator

R-24: IH Cooking Heater R-20: High Efficiency Gas Cooking Slove

R-17: Light Bulb-Shaped Fluorescent Lamp

R-22 Energy-Saving IH Rice Cooker & Warmer

R-07 High Efficiency Investor Compressor for Refrigerator

note) Title in each box is subjected to simplification in case of long one, same as other sectors.



Living / Study Rooms

- R-02 HDD-Equipped High Vision Blu-Rey Disc Records/
- R-06: Compressors for Air Conditioner
- R-09: Transparent Conductive Film with Exothermic Function
- R-11: Creating Energy-serving Household Air Conditioners
- R-12 Inight Multifunctional
- R-14 Far Intrared Heaters R-30: Room Air Conditioner for Household Use



Overall

- R-03. Light-frammitting & Insulation Building Materials for Windows R-05: High-performance Vacuum Insulation R-08: High Efficiency Permanent Magnet Motor R-00: Self Bolanied Compact Fluorencent Lamp (CPL)
- R-21: The Development of LED Lamps
- 8-25: Ceiling-embedded Ventilation Fan



R-16 Heat-pump Washing & Drying Machine R-25 Heat-pump Washing & Drying Machine R-25 Heat Pump Washer/Dryer R-33 Edds Toals Seal with Instant Seal Varming & Heating



Backyard

- R-84. Home-Use Fuel Cell Cogeneration System
- 8-10. Space Heating & Water Heating Heat Pump
- R-13: Energy Management System Essential for Smart Community
- R-18: Small Fuel Cell System for General Industrial Use
- 11-10. Residential Fuel Cell 9-23. Natural Religerant (CO.) Heat Pump Water Heater for Household Use
- R-28: Residential Fuel Cell
- 8-31: Heat Pump (General Purpose)
- 8-32 Heat Pump Vister Heater with Natural-Refrigerant



1. RESIDENCE



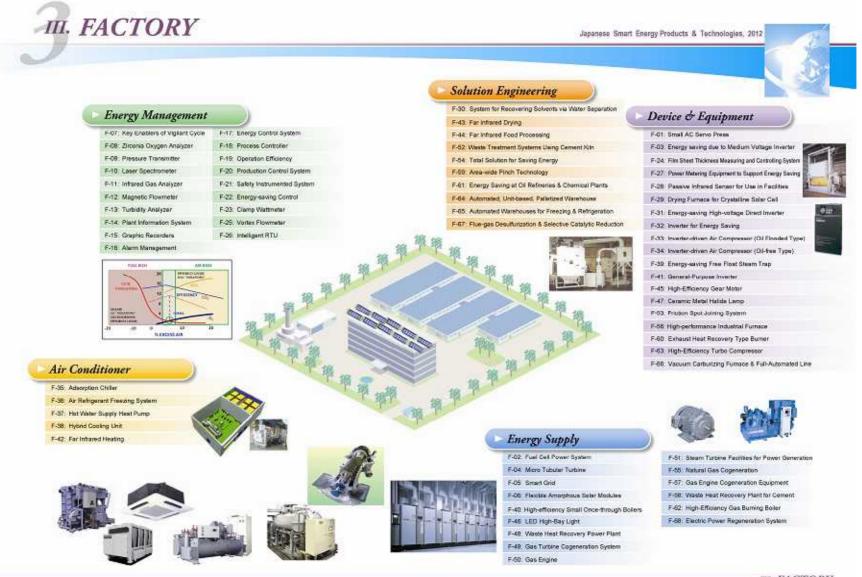
Sector View of "Office"



п. OFFICE



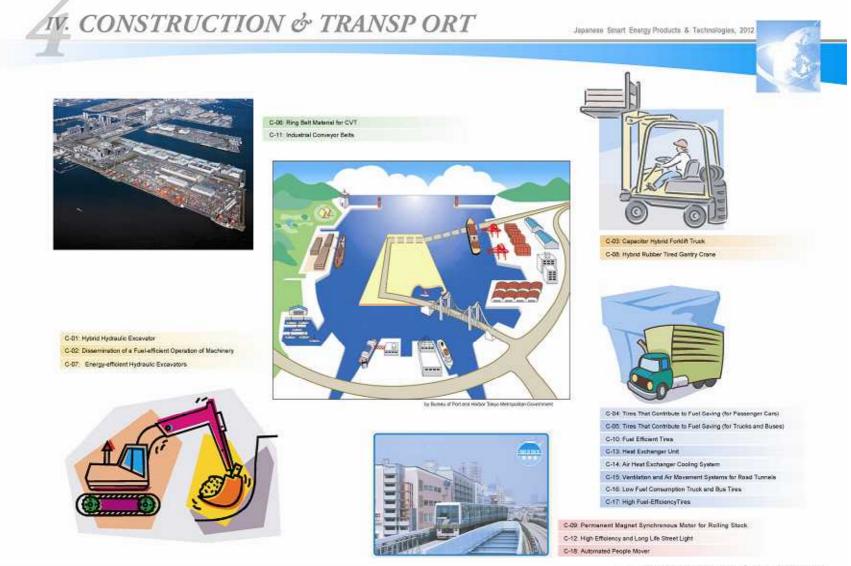
Sector View of "Factory"



- III. FACTORY



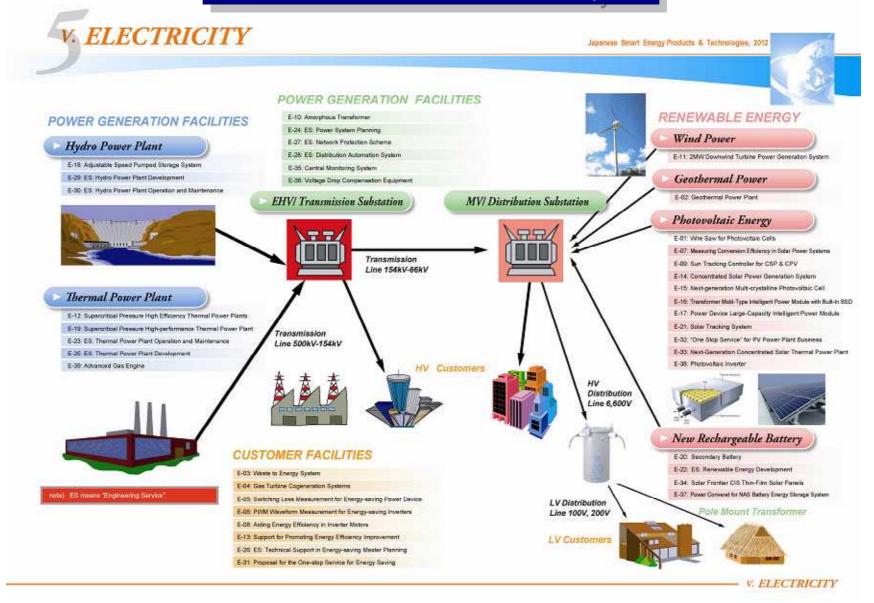
Sector View of "Construction & Transport"



- IV. CONSTRUCTION & TRANSPORT

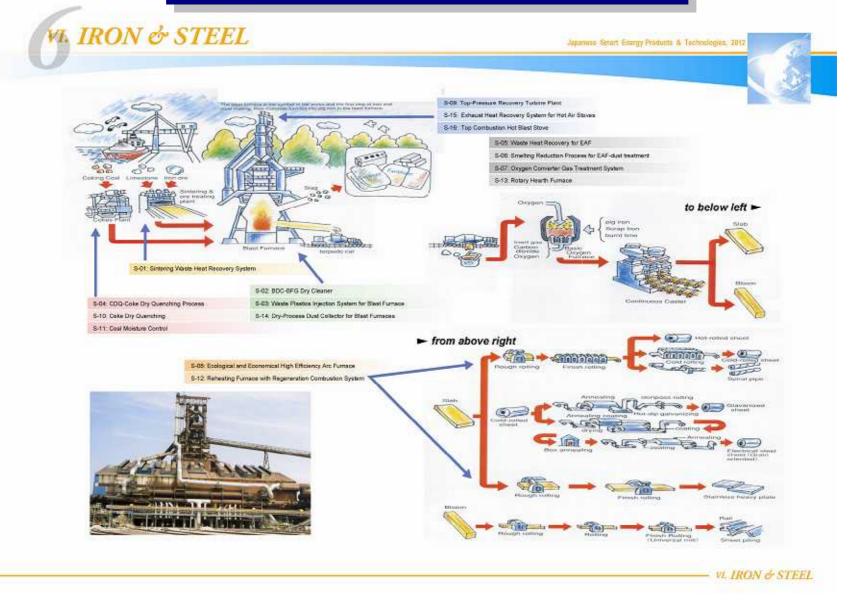


Sector View of "Electricity"



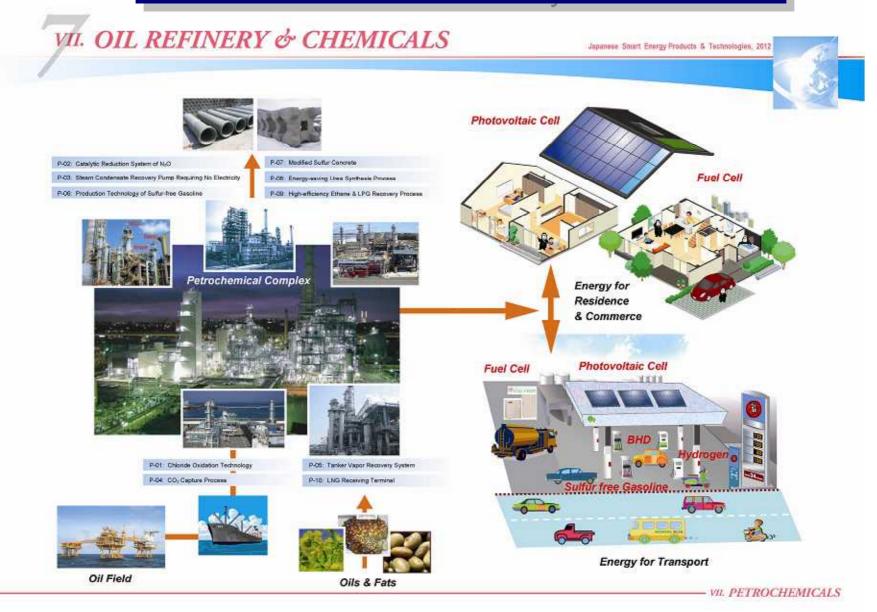


Sector View of "Iron & Steel"



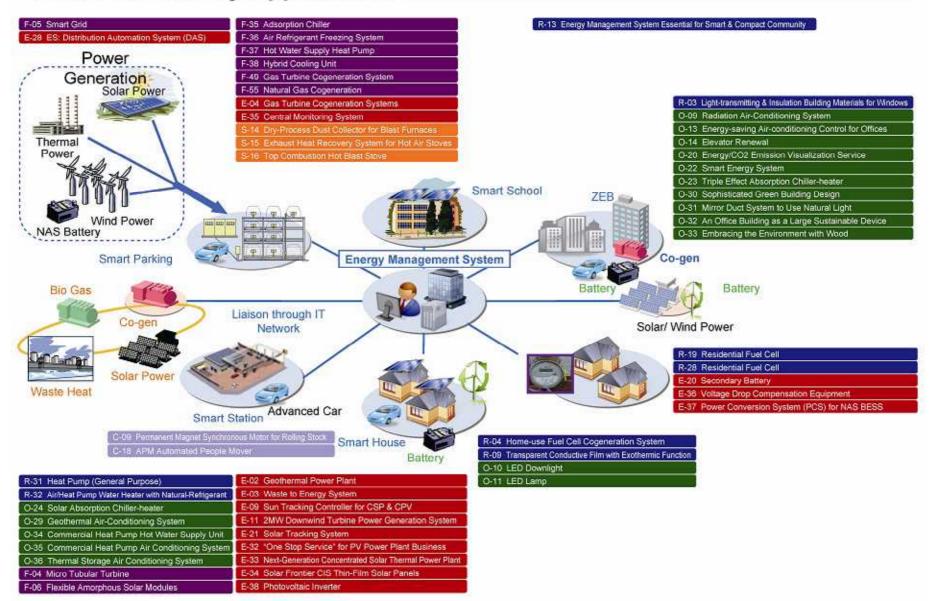


Sector View of "Oil Refinery & Chemicals"





Smart Community Applications





Thank you for your attention !!

Japanese Business Alliance for Smart Energy Worldwide (JASE-World)

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