

Challenge & Innovation in Recycle Business

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Overseas Business Development Team
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Corporate Profile

The Numbers Tell It All – Mitsui & Co., Ltd.

(As of or for the Year Ended March 31, 2011)

- Capital Stock: JPY340bil (US\$3.4bil)
- Market Cap: JPY2,560bil (US\$25.6bil)
(Exchange Rate: JPY100/US\$, as of 20 Nov, 2013)

Global Network (as of November 1, 2011):



*Former Mitsui & Co. established in 1876.
(Legally speaking, there has been no continuation between the former Mitsui & Co. and the current Mitsui & Co.)



Mitsui's Organization

Iron & Steel Product B.U. (ex. pipeline)			Energy B.U. I / Energy B.U. II (ex. oil & gas)		
Mineral & Metal Resources B.U.			Food and Retail B.U. (ex. demand chain management)		
Infrastructure Project Business B.U. (ex. IPP projects, trains)			Consumer Service B.U. (ex. apparel)		
Motor Vehicle B.U. (ex. automobiles)			IT B.U. (ex. e-commerce, IT)		
Marine & Aerospace B.U.. (ex. ships, airplanes,)			Financial Markets B.U. (ex. VC, commodity trading)		
Basic Chemicals B.U.			Transportation Logistics B.U. (ex. shipping)		
Performance Chemicals B.U.					

14 Business Units



MITSUI BUSSAN METALS



- ◆ **Company name:** Mitsui Bussan Metals Co., Ltd.
- ◆ **Shareholder:** Mitsui & Co., Ltd. (100%)
- ◆ **Annual sales:** Approx. 280 billion yen (as of March, 2011)
- ◆ **Number of employees:** 323 (as of March, 2011)
- ◆ **Key business:**
 - ✓ Domestic trading and import/export of
steel scrap, pig iron, ferro-alloys, other ferrous raw materials
non-ferrous metal scraps, special steel scraps
non-ferrous metals products (titanium, aluminum products,
secondary aluminum alloys, etc.)
 - ✓ Environmental solutions business (electric and electronic appliance
recycling, collection of and resource recovery from shredded
residues)
 - ✓ Sales of waste processing equipment and facilities
 - ✓ Import of mineral resources
 - ✓ Administration of ART (Automobile Shredder Residue Recycling
Promotion Team) Organized by Nissan and Suzuki, etc.

◆ URL : <http://www.mitsui-metals.com/en/index.html>

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BUSINESS SCOPE

Steel Scrap Business



Drive for the world which steel scrap distribute naturally.

Non-Ferrous Scrap Business



Japan reserves a large quantity of Non-ferrous scrap. We are playing important role in making good use of that.

Non-Ferrous Products Business



Non-Ferrous products for every scene, to develop recycling society.

Light Metals Business



Infinitely Recyclable Aluminum: From Scrap Yard to Market.

Titanium Business



Fly high into the future with dream metals, Titanium and Zirconium.

Ferro-Alloys Business



In order to produce the steel of high quality.

Iron Making Raw Materials Business



We will contribute to the future of Japan through stable supply of iron making raw materials.

Petroleum Coke Business



Efficient usage of petroleum coke as new energy resource which is one of the petroleum products.

Recycling Business



End-of-Life Vehicle Recycling, Home Appliance Recycling, Respond to the demand of the times.

Mitsui's
Global
Engagement
in Recycle Business





Recycle Business Platforms

1. Sims Metal Management

Mitsui's Share 17.6% (Largest Shareholder) in One of the World-leading Companies of Metal Scraps and Recycling. 257 Sites in the West, Australia and New Zealand

【Volume of Metal Scraps: 13 Million MT/Y】

[REFERENCE](#)

2. Mitsui Bussan Metals

Mitsui's 100% Subsidiary Company. Over 20 Years of Experience in Metal Recycling and Environmental Solution Business

【Volume of Metal Scraps: 5 Million MT/Y】

[REFERENCE](#)

3. Kyohei Recycling

Joint Venture Enterprise with Kyohei Steel for Disposal of Industrial Wastes, Operated since April 2004. Detoxifying Treatment for Automobile Shredder Residue, Medical Wastes and Polluted Soil by Gasification Smelter. Reuse Generated Gas as a Substitute of Kerosene by Kyohei Steel

【Volume of Industrial Wastes: 90 MT/Day】

[REFERENCE](#)

4. Green Cycle Corporation

Recycle 6 Home Appliance Items according to Home Appliance Recycling Act in Aichi Pref. since 1998.

【Recycled Volume: 1.83 Million Units in 2011】

[REFERENCE](#)



E-Waste Recycle Projects

1. Campaign for Collection of Used Cellular Phone

Experimental Project for Promoting the Collection of Used Cellular Phones, Initiated by the Government of Japan. Utilize Retail Shops of Home Appliances as Collection Sites and Collect Used Cellular Phones from Consumers with Incentives.

(Government Budget; JPY 300 Million)

【Implementation : During November 21, 2009 – February 28, 2010】

[REFERENCE](#)

2. Recycling Campaign for Small WEEEs

Liaising with Japan's Ministry of Environment (MOE), Ministry of Economy, Trade and Industry (METI) and Other Municipal Authorities, Collect Small WEEEs such as Digital Cameras, Video Cameras, Portable Music Players and Portable Game Devices.

【Implementation : During November 15, 2009 – February 28, 2010】

[REFERENCE](#)

3. Experimental Recycle Project for China's WEEE Law

Undertake Pilot Recycle Project for China's WEEE Law Under Memorandum of Understanding (MOU) with METI, Japan.

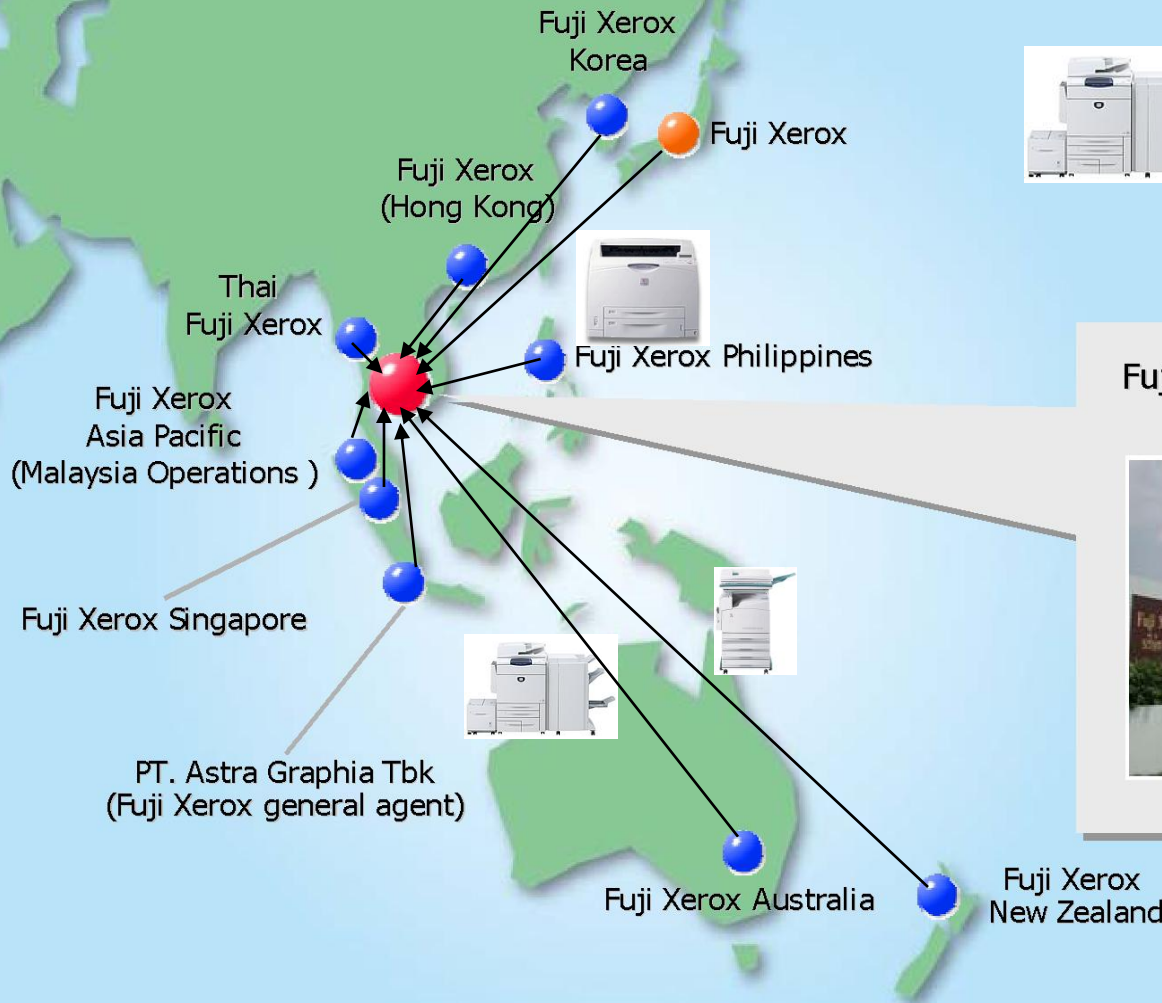
4. WEEE Recycle FS Project in Thailand

Mitsui Conducted a Feasibility Study on Electronic Waste Recycle Business in Thailand with Local Partners and Research on Market Size, Profitability and Licensing Procedure with METI's Subsidy.

【Implementation : During August 25, 2011 – February 29, 2012】



Recycle Business in Thailand



● Marketing company
= Exporter of Used Copier

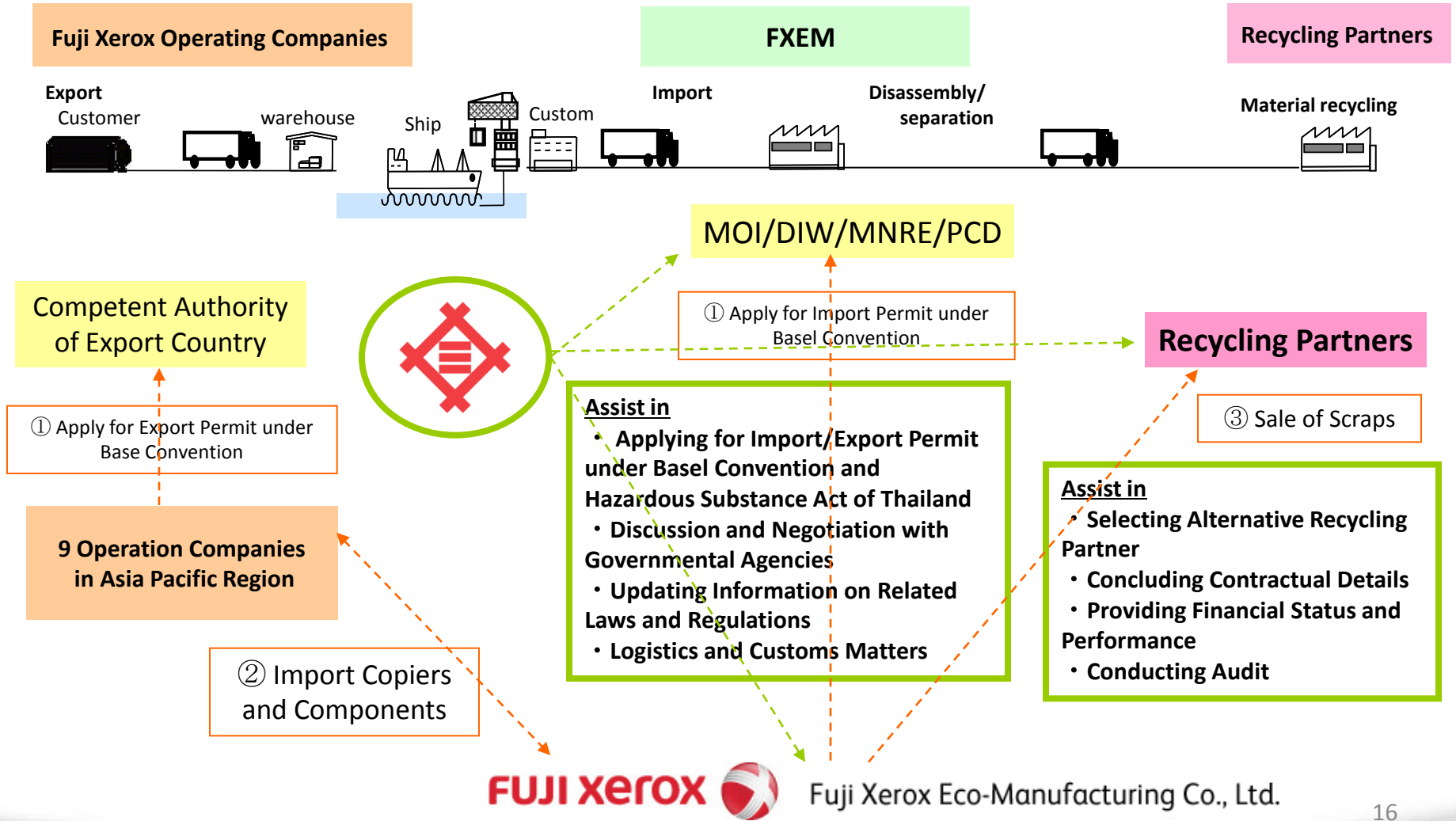
Fuji Xerox Eco Manufacturing (FXEM)



**Disassemble/
Separation**



FX's International Recycle Resource System





Recycling Flow of Used Copy Machine

<Separation Categories>

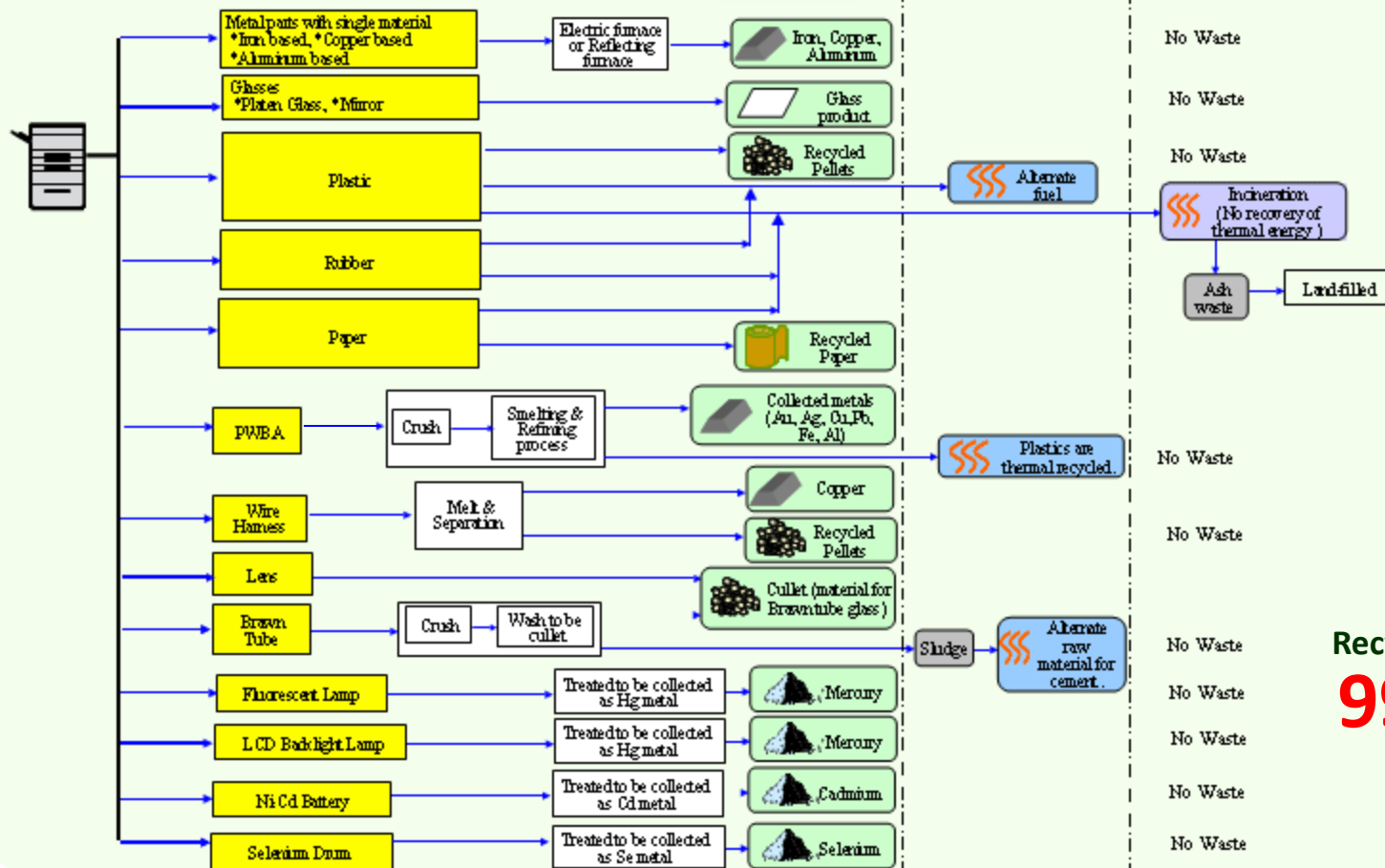
“Material Recycle”

“Thermal Recycle”

“Land-filled Wastes or Incinerated Wastes”

99.8%

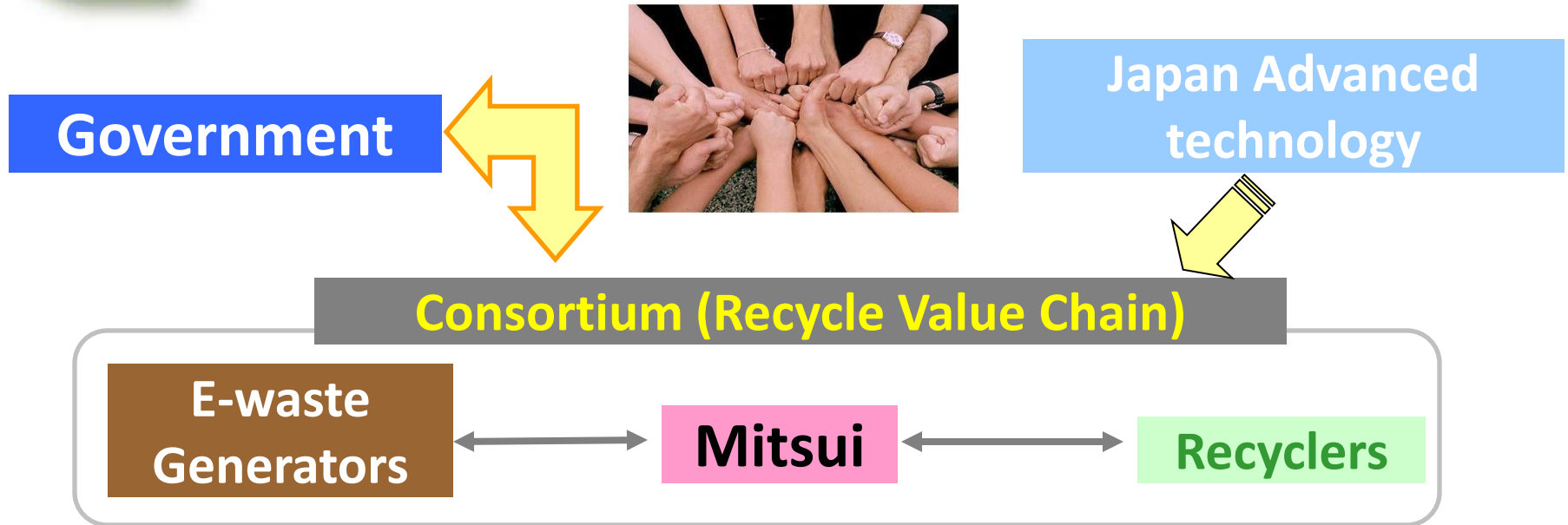
0.2%



Recycling Ratio
99.8%



Strategy and Future Prospects



1. **New Recycle Value Chain** in Liaising with Governments, E-waste Generators and Recyclers
2. Introduction of **Japan's Advanced Recycling Technology and Infrastructures** to ASEAN Region
3. **Stable Supply of Resources and Industrial Solution for Environmental Problems** by Both **Ground** and **Underground Resources**

Thank You

