



Nippon Recycle Center Corp.

To cultivate recycle initiatives.

2 September, 2010





Company Profile

Nippon Recycle Center Corp.

Establishment : November, 1976

Capital : ¥50,000,000

No. of Employees: 67

CEO : Yasuji Masuda





History of NRC

1	976	Nov	Established.

1977 Oct Kashiwara Plant completed.

1987 Apr JVC established in Korea.

1988 Aug Korea Plant completed.

1998 Aug Korea JVC terminated.

Tsukuda Plant completed.

1999 Feb Nakajima Plant completed.

2002 Mar ISO14001 obtained for Tsukuda Plant.

2005 Apr Haramachi Warehouse opened.

2006 Sep ISO14001 obtained for Nakajima Plant.

2008 Apr Analysis Laboratory completed.

2009 Oct Taiwa Warehouse opened.





Facilities

■ HQ: Osaka

■ Tsukuda Plant : Osaka

Nakajima Plant : Osaka

Haramachi Warehouse: Aichi

Taiwa Warehouse : Miyagi









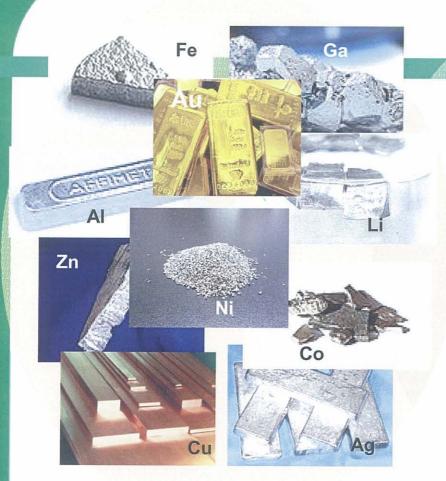
Tsukuda Plant



Nakajima Plant







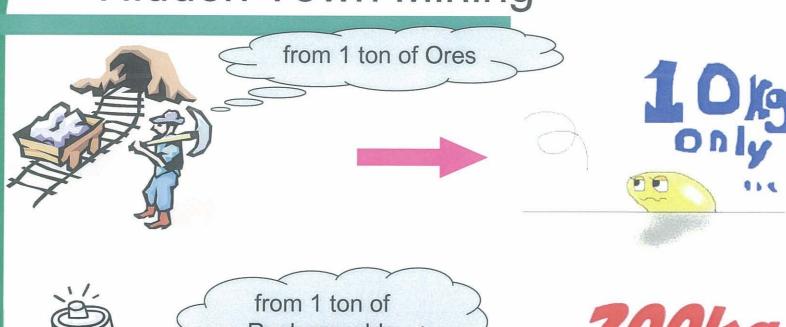
Metal

Rare Metal





Hidden Town Mining





from 1 ton of
Rechargeable
Battery ...







Hidden Town Mining

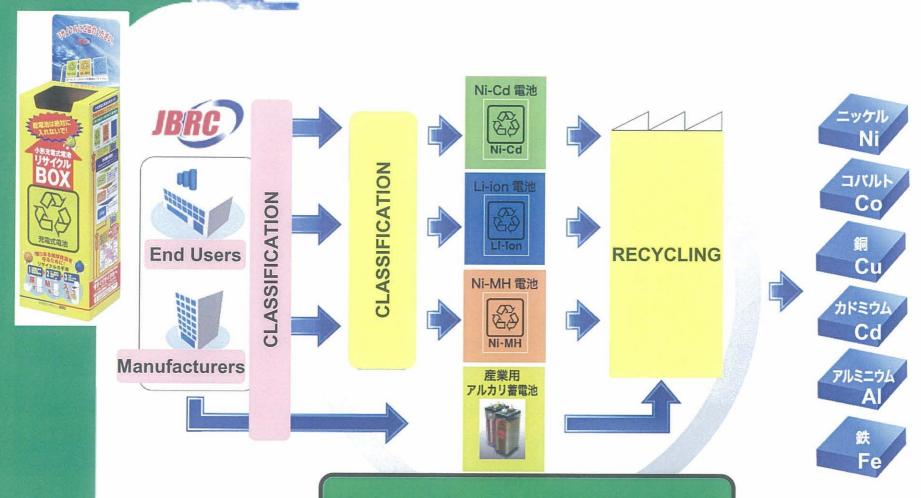








Business Activities Nippon Recycle Center Corp.



Nippon Recycle Center Corp.



Collection in Japan

- JBRC was established in April 2001 to promote the collection & recovery activities of the manufacturers, distributors & importers.
- To contract with JBRC on consignment basis especially for the SOHO-use rechargeable batteries to promote recycling activities.
- To place the recycle boxes for discarded batteries at homeelectricity shops.
- To collect the rechargeable batteries used for emergency exit lamp, mobile phone etc. directly from the companies, distributors & manufacturers, who have established the routine route.
- ◆ To collect the production residue and rejects directly from the battery manufacturers.



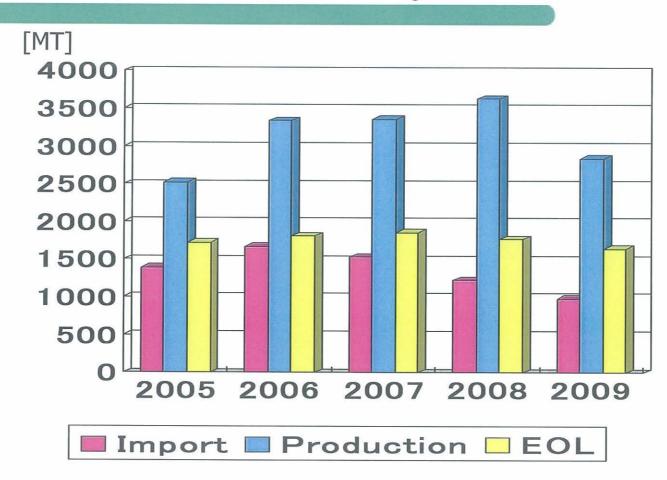


Classification





Collection Status by NRC

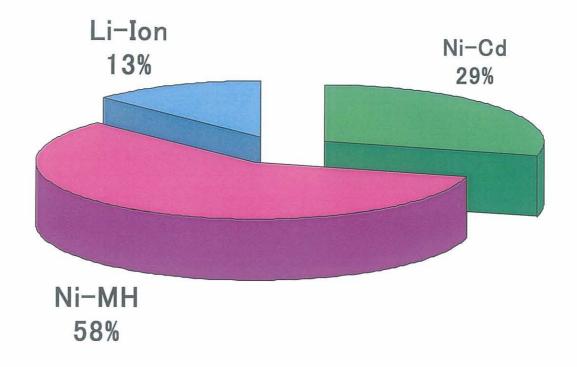






Collection Status by NRC

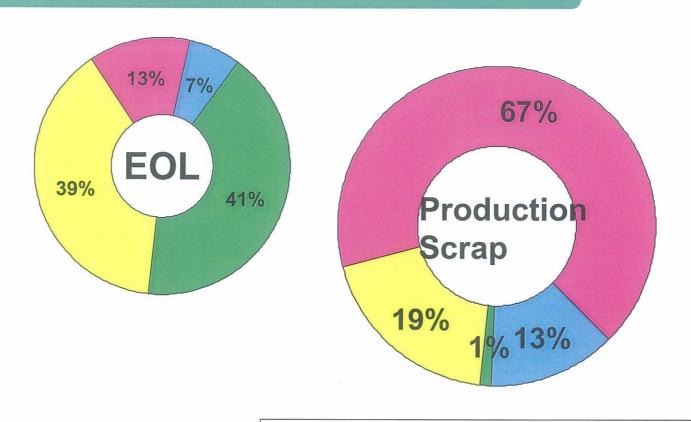
2009 Result







Collection Status by NRC



Ni-Cd ■ Ni-MH ■ Li-Ion ■ Others





Principal Customers

- Battery Association of Japan
- GS Yuasa Corporation
- Hitachi Maxell Co., Ltd.
- Honda Motor Co., Ltd.
- Japan Airlines International
- JBRC
- Kansai Catalyst Co., Ltd.
- KDDI Corporation
- Mitsubishi Materials Corporation
- Mitsui Mining & Smelting Co., Ltd.
- Nomura Kohsan Co., Ltd.
- NTT DoCoMo Inc.
- Panasonic Corporation
- Panasonic Corporation Energy Company
- Panasonic Energy (Wuxi) Co., Ltd.
- Panasonic EV Energy Co., Ltd.

- Santoku Corporation
- Sanyo Electric Co., Ltd.
- Sanyo Energy Twicell Co., Ltd.
- Sanyo Energy (Suzhou) Co., Ltd.
- Sanyo GS Soft Energy Co., Ltd.
- Shin-Kobe Electric Machinery Co., Ltd.
- Sincere Corporation
- Softbank Corporation
- Tanaka Chemical Corporation
- The Furukawa Battery Co., Ltd.
- Toho Zinc Co., Ltd.
- Toyota Motors Corporation
- Yuasa (Tianjin) Technology Ltd.





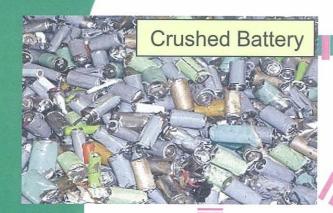






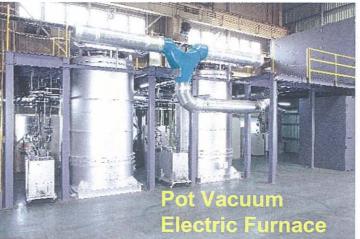






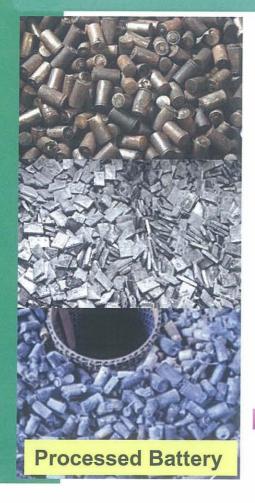








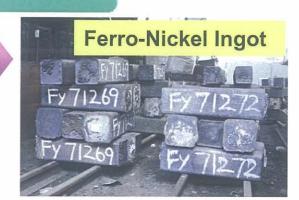








Electric Melting



Sold as Material for Stainless Steel and Magnetic Alloy

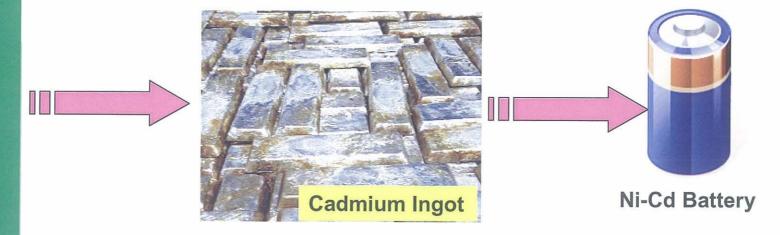




Cadmium abstracted from Ni-Cd Battery at Bell Vacuum Electric Furnace

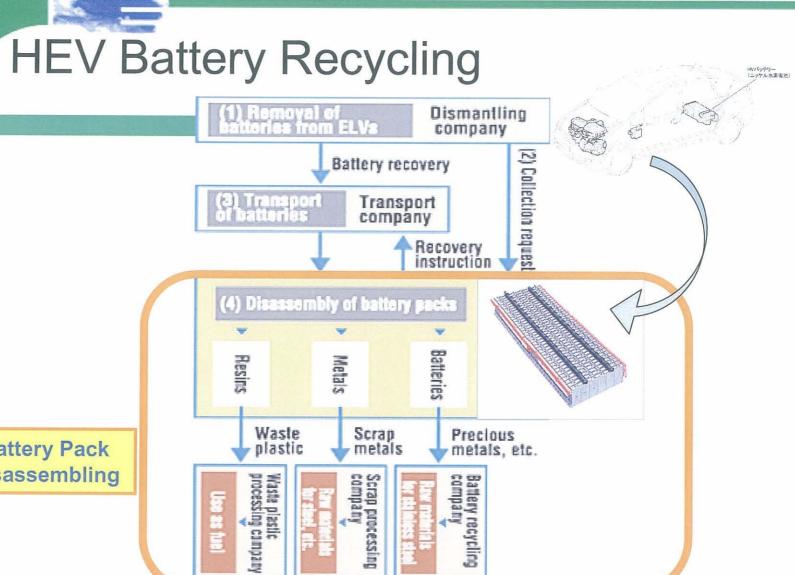


Casting Ingots in Cadmium









Battery Pack Disassembling





Capacity of Furnace



Electric Furna

	Max./day	Monthly (20 days)
Vacuum Electric Furnace	6 MT	120 MT
Bell Vacuum Electric Furnace	4 MT	80 MT
Pot Vacuum Electric Furnace	4 MT	80 MT
Consecutive Dry Furnace	1.5 MT	30 MT
TOTAL	15.5 MT	310 MT



Environmental Preservation





After-Burner

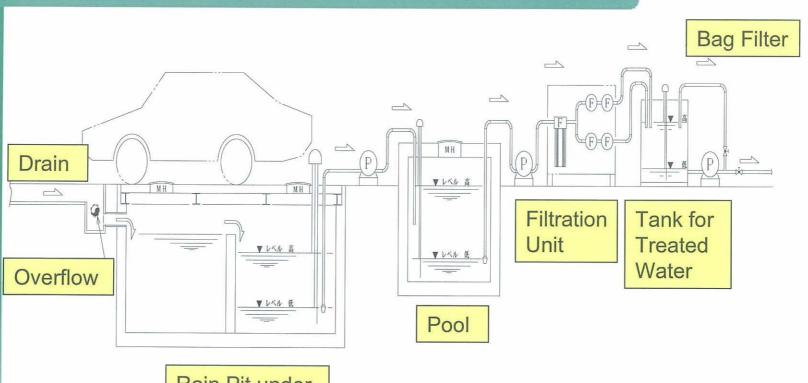
Gas Cooler

Bag Filter

Discharged Harmlessly



Environmental Preservation



Rain Pit under Parking Lot



