

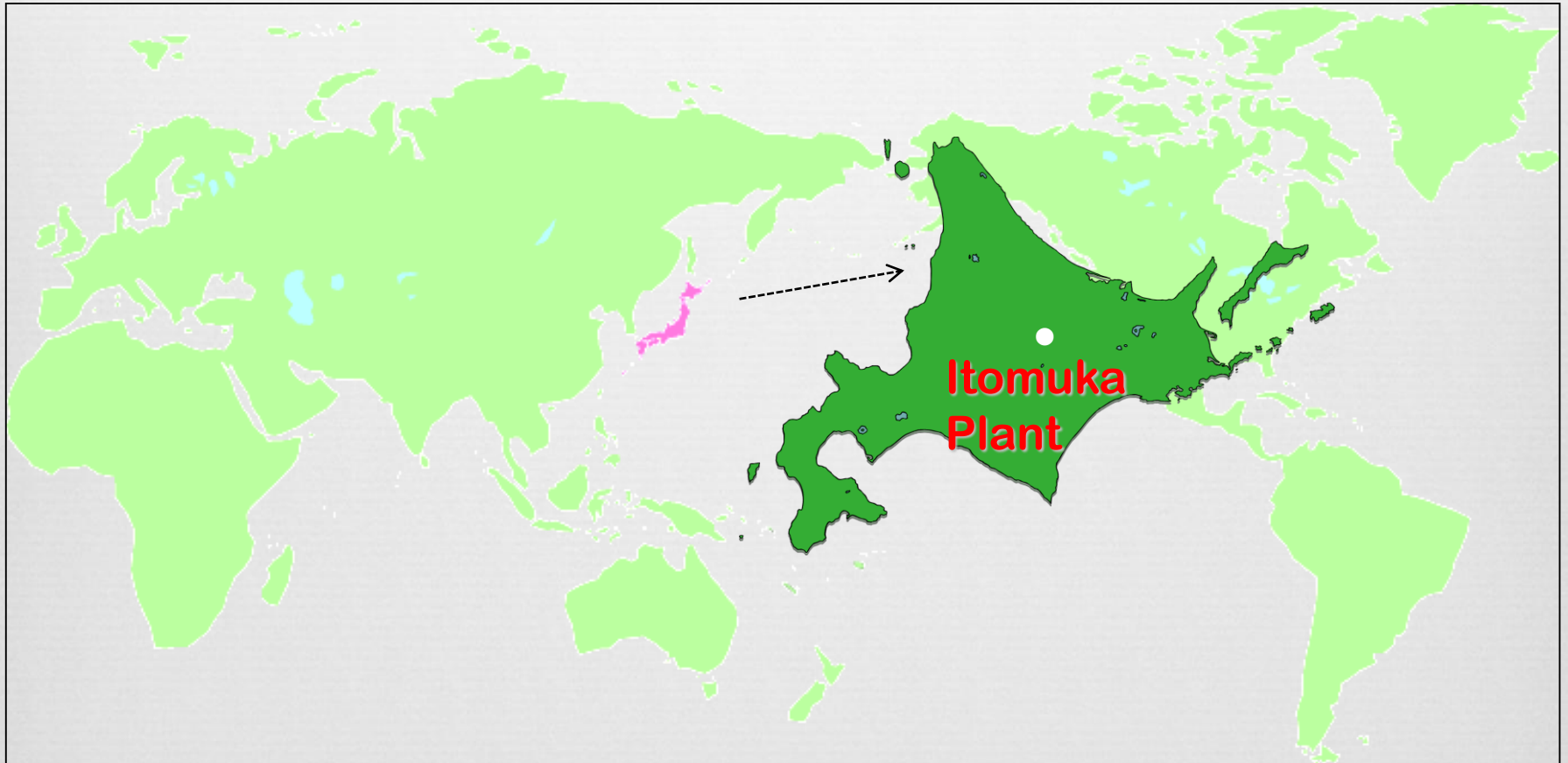
Nomura Kohsan's mercury recycling business

consent



Nomura Kohsan Co., Ltd.

Nomura Kohsan's mercury recycling business



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Who we are

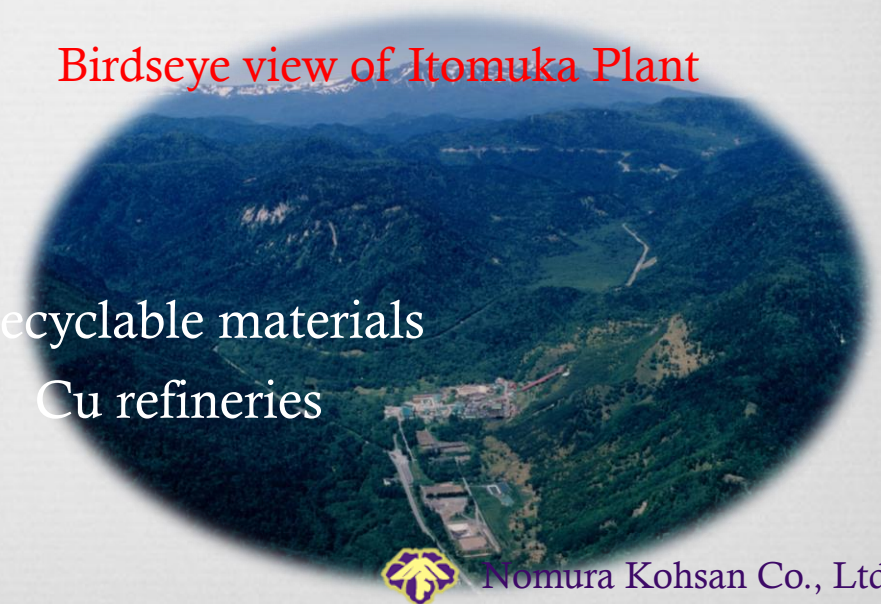


- ☞ The *only* mercury-recycling company in Japan
- ☞ Over 40 years of experience in treating Hg-containing/ Hg-contaminated waste from all across Japan
- ☞ Two plants: Itomuka Plant (Hokkaido) and Kansai Factory (Osaka)
- ☞ ISO14001 certified

Birdseye view of Itomuka Plant

What we do

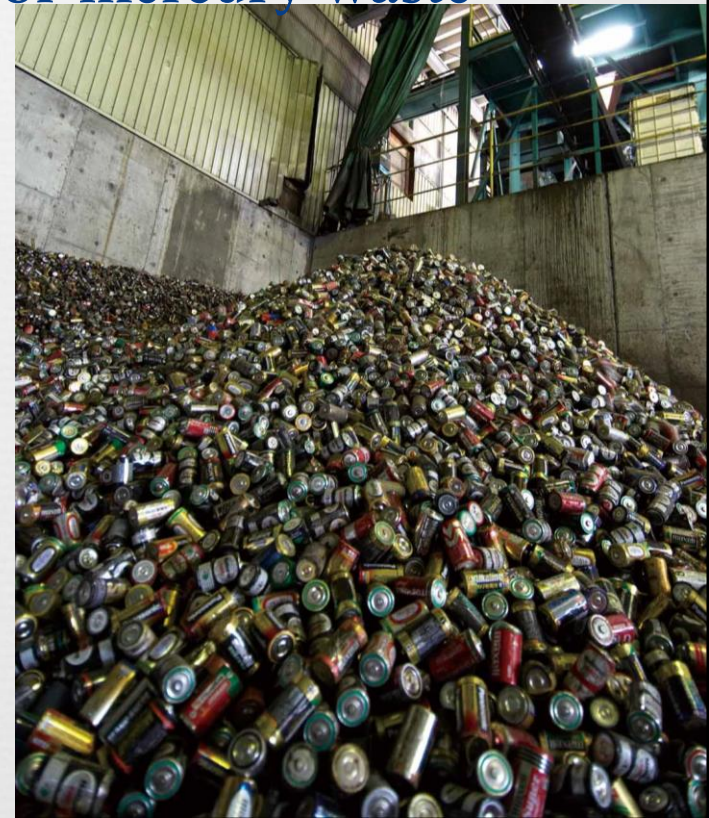
- ☞ Treatment of Hg waste
- ☞ Recycling mercury and other recyclable materials
- ☞ Contracted work from Zn and Cu refineries
- ☞ Research on Hg stabilization



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- Each year we treat a total of **27,000** tons of mercury waste
 - 13,000** tons of dry-cell batteries
 - 8,000** tons of fluorescent lamps
 - 6,000** tons of other types of waste (i.e. measuring devices, etc.)



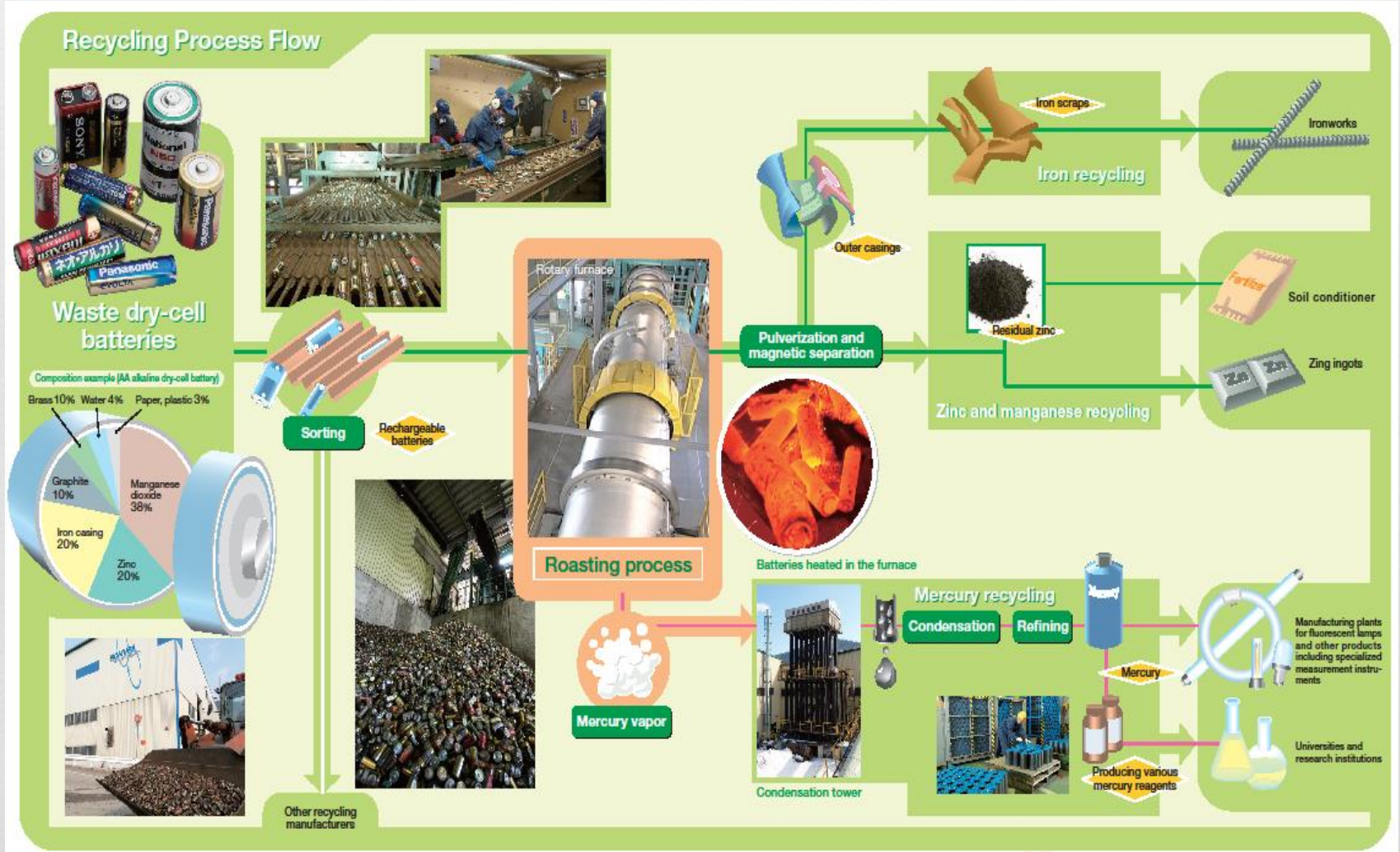
1. Pre-treatment

2. Treatment

3. Recycling recovered materials



Recycling Process Flow of dry-cell batteries



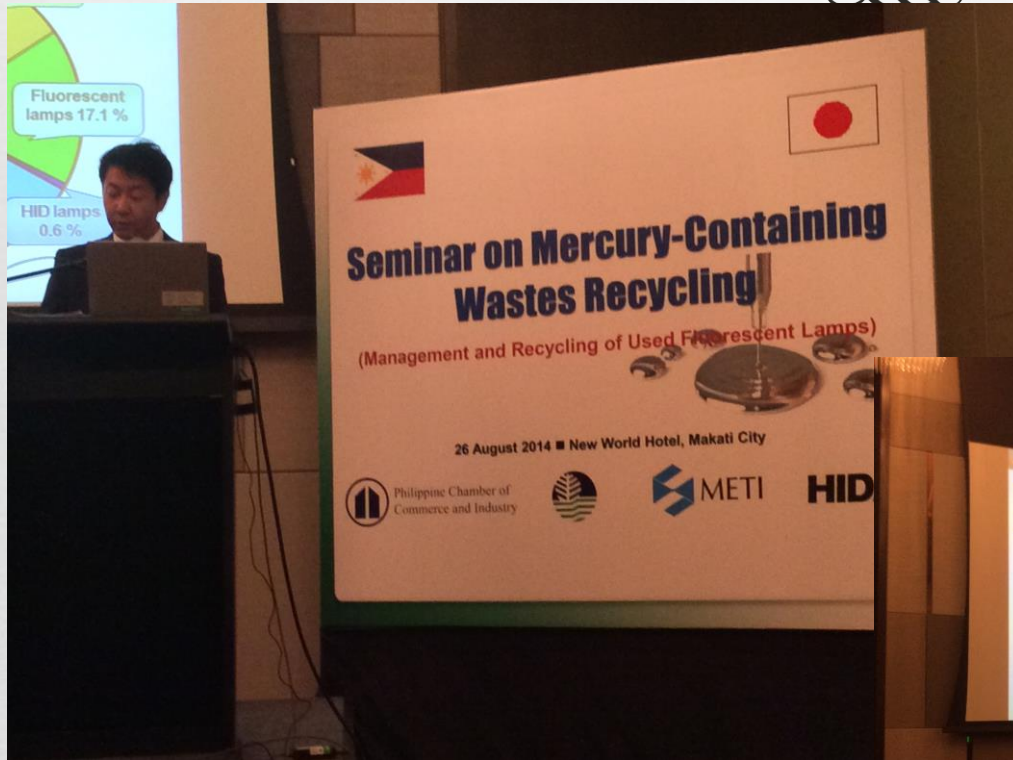
Work with UNIDO



- ☞ Nomura Kohsan recently signed a memorandum of understanding with UNIDO
- ☞ Objective: to develop a project with a South East Asian country to organize collection center for used lamps
- ☞ We will disseminate some of our technologies and develop mercury storage solutions



Philippines: Project Establishing a Recycle System for Used Fluorescent Lamps



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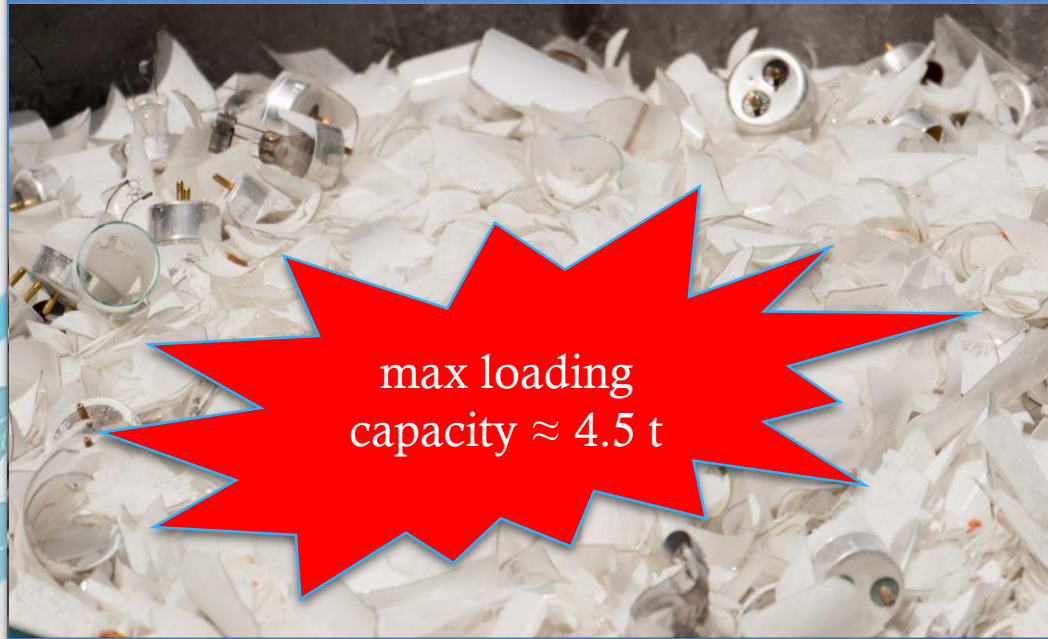
- ❧ In October 2014:
- ❧ Nomura Kohsan will provide a mobile lamp crusher which would:
 - ❧ Enable lamps to be crushed locally
 - ❧ Reduce transportation cost
 - ❧ Increase the volume of collection
 - ❧ Raise efficiency
- ❧ Conduct training sessions for local workers



Transportation of Hg waste to Itomuka Plant



12 feet container



max loading
capacity ≈ 4.5 t



ITOMUKA
PLANT





Thank you!

For more information,
please contact:
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