

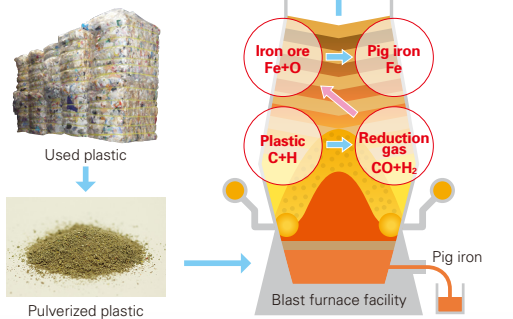
Initiatives for Resource Recycling Solutions

Resource Recycling Solutions

Solution 1

Promoting the use of recycled resources

- Technology to inject plastic in blast furnaces

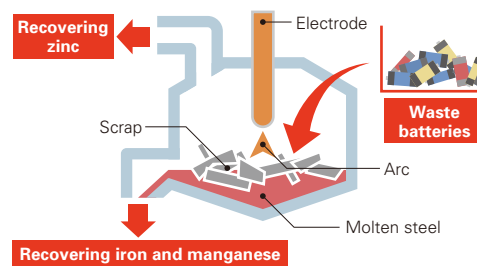


Plastic used in iron and steelmaking: 50 thousand tonnes!

Solution 2

Recycling resources

- Recycling used batteries through an electric arc furnace to separate metals such as iron, manganese, and zinc



Accumulated amount recovered at JFE Bars & Shapes: 92 thousand tonnes!

Solution 3

Offering recycled products

- Recycled plastic products such as pallets and NF boards

Solution 4

Recycling

- Recycling fluorescent lights, batteries, home electronic appliances, etc. (treating hazardous materials for recycling)
- Recycling PET bottles to produce resins

Recycling fluorescent lights 14 million tubes!

Recycling home electronic appliances 0.8 million units!

Solution 5

Using renewable energy sources

- Waste power generation, biomass power generation
- Recycling food waste, biogas generation from sludge

Solution 6

Efficient use of co-products

- For cement material, etc.

Initiatives for Realizing a Recycling-oriented Society

Initiative 1

Improving the iron and steelmaking process

In the iron and steelmaking process, promote the efficient use of raw materials and water resources, reduced generation and emission of co-products and reuse of co-products, and use of recycled resources and recycling of resources.

Initiative 2

Recycling/power generation business

Engaging in a power generation business using heat and gas produced when treating wastes.

Initiative 3

Improving the iron and steelmaking process

In the iron and steelmaking process, promote the efficient use of raw materials and water resources, reduced generation and emission of co-products and reuse of co-products, and use of recycled resources and recycling of resources.

Initiative 4

Global circulation of scrap

Contributing to the expansion of a recycling-oriented society at a global scale by efficiently recovering and transporting iron scrap.

Shared Initiatives

Develop resource recycling technologies and products

Develop technologies and products that efficiently use co-products generated in the Group's production process as well as wastes generated during social activities.

Collaboration with administrative entities

Established a new local-based power company in collaboration with an administration to promote local generation and local consumption of electricity through waste power generation, etc.

On-site recycling rate of industrial waste: 98.6%!

Water recycling rate: 93.0%!

Rate of efficient use of co-products: 99.7%!