Vision | Growth strategies of Aisin | **Foundation of our value creation initiatives** | Company information/ financial information

Sustainability activities and Principles of Corporate Behavior   Engagement with stakeholders   Corporate Governance   **Environment**   Society
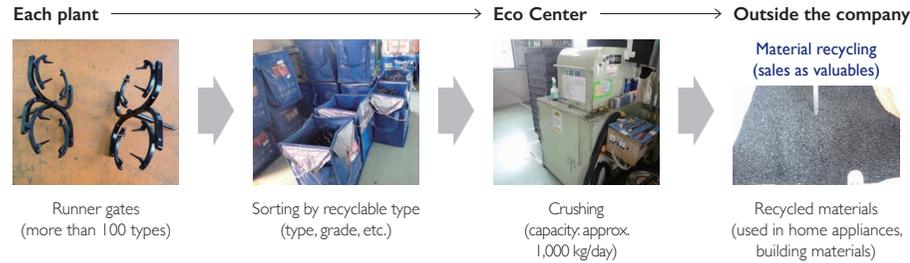
Establishment of a recycling-oriented society [GRI] 102-15, 303-1, 306-2

Aiming to reduce its environmental impact to zero in development, production and distribution, Aisin is promoting group-wide activities for developing products that make effective use of resources and can be recycled, stepping up resource recycling at the production and logistics stages, and making effective use of water resources.
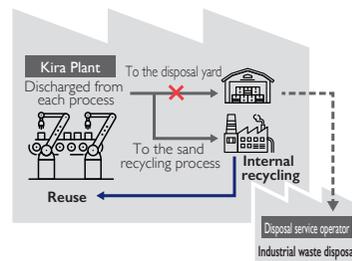
Internal system to create value from waste plastic

The Eco Center in the Aisin Handa Plant has an internal material recycling system in which plastic waste is sorted and crushed to create high-quality materials. Recycling of resources is achieved with this system.

Each plant ──────────────→ **Eco Center** ──────→ **Outside the company**

Runner gates (more than 100 types)

Sorting by recyclable type (type, grade, etc.)

Crushing (capacity: approx. 1,000 kg/day)

Material recycling (sales as valuables)

Recycled materials (used in home appliances, building materials)

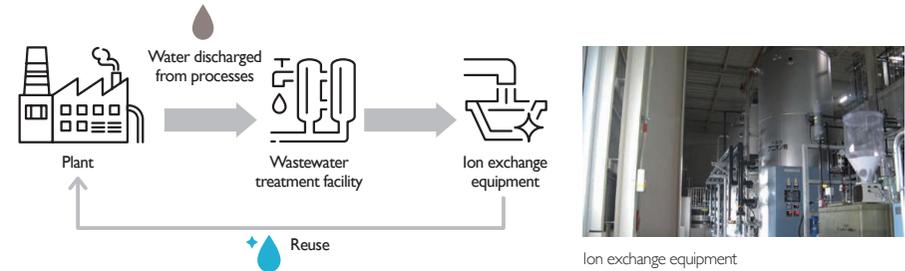## Waste reduction by expanding recycling of casting sand

At the Kira Plant of Aisin Takaoka, casting sand discharged in production processes is recycled into core sand and supplied for casting core manufacturers inside the company or the plant. With this system, the plant achieved reduction of 1,594 tons of waste annually.

Kira Plant
Discharged from each process
To the disposal yard
To the sand recycling process
Internal recycling
Reuse
Disposal service operator
Industrial waste disposal

Recycling of water discharged from processes

At Aisin Hokkaido, discharged water is processed and recycled into industrial water of the original water quality and is reused at its plant. The introduction of this system has enabled reuse of approx. 95% of water, achieving about 50% reduction of the amount of water use.

Besides Aisin Hokkaido, ADVICS Kariya Plant, Aisin Fujioka Proving Ground and Toyokoro Proving Ground, and Aisin Sin'ei Koda Plant, as well as our plants in Brazil and China, conduct initiatives to reduce water use. All these activities are aimed at preserving our important water resources.

Plant → Water discharged from processes → Wastewater treatment facility → Ion exchange equipment → Reuse

Ion exchange equipment

Distillation and recycling of IPA (Isopropyl alcohol)

At the Aisin Handa Plant, aiming to reduce waste and reduce cost for purchasing subsidiary materials, IPA used for cleaning is recycled by distillation. The plant used to generate approximately 1.2 tons of waste liquid annually, but the introduction of the solvent recycling equipment has enabled distillation and recycling.

Cleaning of dies → Waste liquid after use → Solvent recycling equipment → Reuse