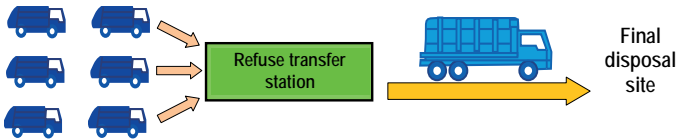
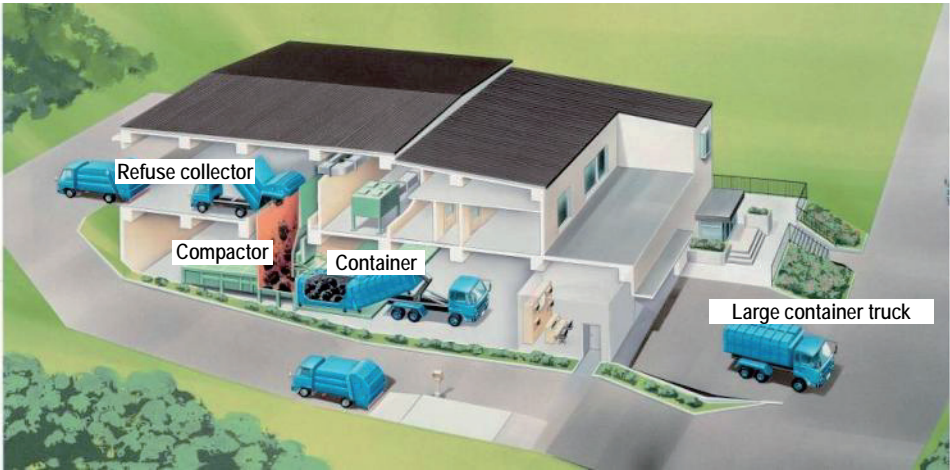




Technical Information Sheet

1. Name of technology	Refuse transfer station
2. Type of technology	Refuse collected by small or mid-sized trucks is transported to the final disposal site by large trucks, which provides improved refuse collection and transportation, and reduces the cost and CO ₂ emissions.
3. Description of technology	<p>[Objective and application of the technology]</p> <p>This system enables efficient long-distance refuse transportation such as when refuse collected in urban areas is transported to a remote final disposal site.</p>  <p>[Characteristics of the technology]</p> <p><u>Compactor and container system</u></p> <p>Refuse put in the receiving hopper from a refuse collector is loaded into a container by the compactor in an efficient and sanitary manner. Refuse collected by several refuse collectors is compacted and loaded into one container. The container is transported to a final disposal site by a large container truck.</p> <p>Each unit is monitored and automatically operated remotely from the central control room. This technology prevents environment disruption such as noise, dust, and odor.</p>  <p><u>Large container truck</u></p> <p>There are two types of large container trucks: semi-trailer trucks and trucks with a detachable container (Arm-Roll). The appropriate truck type must be selected according to the volume of refuse and the road conditions to the destination.</p> <p>Railway transport containers and marine transport containers are also available.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Semi-trailer truck container</div> </div> <div style="text-align: center;">  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Detachable body truck container</div> </div> </div>

Objective, application, characteristics, delivery record, and price of technology

[Delivery record]

Delivery record: This technology has been employed in many facilities. (Japan, China, Indonesia, Malaysia, and Thailand)

Examples:



Shanghai, China (2 sites) 2,800 tons per day, 1,200 tons per day (pre-compression method)



• Xian, China 800 tons per day

• Bangkok, Thailand 2,000 tons per day



• Jakarta, Indonesia 1,500 tons per day

• Kuala Lumpur, Malaysia 1,700 tons per day

[Price and other inquiries]

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4. Classification of technology

(1) Applicable fields

Collection, transportation, and storage

(2) Target waste

Paper/cardboard, Waste plastic, Plastic bottles, Glass bottles, Steel cans, Aluminum cans, Styrene foam, Food waste/raw garbage, Construction waste, Electric home appliances, Fluorescent tubes, Electronic products, Cellular phones, Other

(3) Services provided

Plant construction, Sales of machinery and equipment, Other

5. Countries to which this technology can be provided

No restrictions

6. Keywords

Collection and transportation, transfer station, compactor, container, Arm-Roll

7. Contact information

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