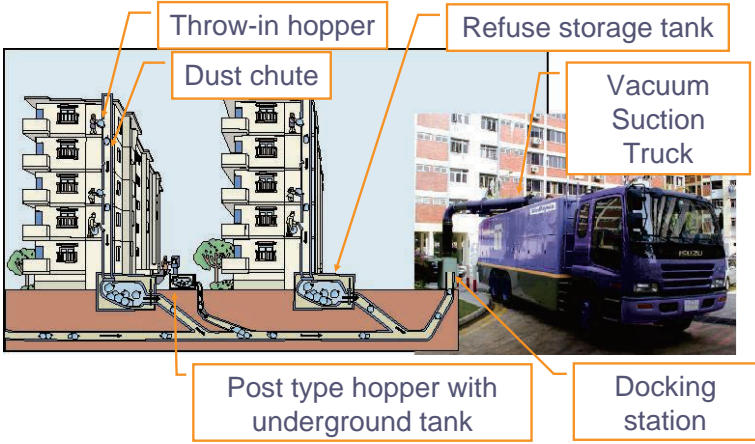


## Technical Information Sheet

<b>1. Name of technology</b>	Vacuum refuse collection system (TECHNOCUUM)
<b>2. Type of technology</b>	Refuse is sucked up and collected by vacuum suction trucks from several tanks installed under garbage chutes in apartments and other buildings.
<b>3. Description of technology</b>	<p><b>[Objective and application of the technology]</b>                  System that enables hygienic and efficient refuse collection in apartments and other buildings</p> <p><b>[Characteristics of the technology]</b>                  Refuse from dozens of places can be collected at one docking station, making refuse collection possible without having to access residential areas. This can reduce labor and keep the residential area beautiful and sanitary. Because vacuum vehicles themselves have power sources, no power source is needed for them at the plant. Storage tank internal pressure: -34 kPa, Garbage chute: 150 × 250 mm, Pipeline diameter: 250 mm, Maximum suction length: approx. 170 m (available overseas with a line diameter of 300 mm)</p> <div style="text-align: center;">  <p>The diagram illustrates the vacuum refuse collection system. On the left, a multi-story apartment building is shown with two types of waste chutes: a 'Throw-in hopper' and a 'Dust chute'. Below the building, a 'Post type hopper with underground tank' is shown. To the right, a 'Refuse storage tank' is connected to a 'Vacuum Suction Truck' via a pipeline. The truck is shown at a 'Docking station'.</p> </div> <p><b>[Delivery record]</b>                  Overseas: Singapore (11 sites), Domestic: Itami City, Kumamoto City, etc.</p> <p><b>[Price and other inquiries]</b>                  ShinMaywa Industries, Ltd.                  Environmental Systems Sales &amp; Marketing Dept.                  TEL: +81-3-3842-6332 FAX: +81-3-3842-6335 E-mail: env.eigyo@shinmaywa.co.jp                  Person in charge: Toshitaka Ogiri</p>
<b>4. Classification of technology</b>	
(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, Other
(3) Services provided	Plant construction, Sales of machinery and equipment, Other
<b>5. Countries to which this technology can be provided</b>	No restrictions
<b>6. Keywords</b>	Collection and transportation, vacuum collection, TECHNOCUUM
<b>7. Contact information</b>	ShinMaywa Industries, Ltd. Environmental Systems Sales & Marketing Dept. TEL: +81-3-3842-6332 FAX: +81-3-3842-6335 E-mail: env.eigyo@shinmaywa.co.jp Person in charge: Toshitaka Ogiri

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