

Building Circular Societies

Toyota Gosei uses resources effectively and contributes to circular societies by reducing waste volumes*2 and water usage and designing products that are easily recyclable.

*2 We are currently attempting to reduce waste volumes for the minimization of industrial waste as set forth in the TG 2050 Environmental Challenge.

Basic Philosophy

As a polymer manufacturer specializing in rubber and plastics, we undertake to do our part for circular societies through the effective use of limited resources.

First, we take measures to prevent defects and improve yields centered on manufacturing floors. In addition, we are seeking ways to limit emissions and recycle materials with the involvement of our material and production engineering divisions, where all of our work starts, and expand resource circulation.

Another major problem relates to water, with water shortages and flooding in many parts of the world caused by climate change. We are therefore identifying risks in all countries and regions of the world where we have operations, and working to mitigate these risks by decreasing water consumption and recycling water, as well as returning cleaner wastewater to surrounding communities.

Risks and Opportunities Associated with Resource Circulation

The risks and opportunities associated with resource recycling are an important management issue, and we are addressing them company-wide as one of our key action items.

Impact items	Risks	Opportunities	Response
Depletion of resources (shortage)	<ul style="list-style-type: none"> Decreased revenue, production disruptions from difficulty purchasing raw materials and soaring prices 	<ul style="list-style-type: none"> Higher revenue from recycling technology, reduced material usage Higher corporate value from development of the above technologies 	<ul style="list-style-type: none"> Product development for lighter weight Development of raw material recycling technology Greater use of plant-derived biomaterials and recycled materials
Water risks (volume/quality)	<ul style="list-style-type: none"> Production disruptions from difficulty ensuring water needed in production Poorer product quality from water quality deterioration Production disruptions from water damage 	<ul style="list-style-type: none"> Higher revenue from reuse of water, decreased usage Higher corporate value from development of the above technologies 	<ul style="list-style-type: none"> Development of water reuse technologies Greater use of rainwater Review of production networks, review of electric facility installation sites

Waste Reduction

■ Establishment of 2030 Milestones

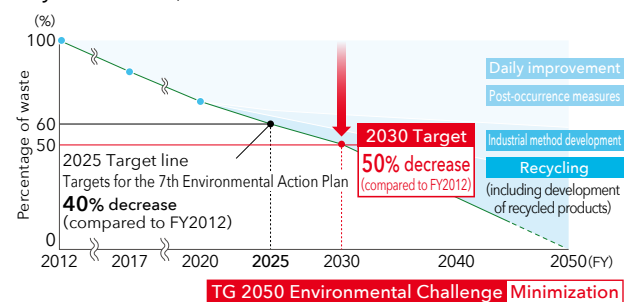
As we move toward the circular societies envisioned in our TG 2050 Environmental Challenge, we aim to minimize emissions volumes and have set targets as 2030 milestones for the effective use of resources, including measures to limit emissions and control their source, recycling of rubber and plastic scrap, and reducing waste through careful and thorough separation.

■ Satisfying the Plastic Resource Circulation Act

The Plastic Resource Circulation Act went into effect in April 2022, and with a view to our contribution to carbon neutrality, we are committed to designing and manufacturing environmentally friendly 3R + Renewable products.

We have also set new 2030 targets for industrial plastic waste volume and are working for plastic resource circulation.

Scenario for Minimizing Amount of Waste (reduction image) [Toyota Gosei Co., Ltd.]



Plastic Industrial Waste Volume [Toyota Gosei Co., Ltd.]

