

# The Earth

Yokohama has established three pillars in tackling environmental issues: carbon neutrality, circular economy and coexistence with nature, and set medium-to-long-term targets for each of them, and laid out a roadmap for achieving them. Yokohama will accelerate efforts towards a decarbonized society while conducting research and development into sustainable materials and expanding their usage percentage, and contribute to the realization of a sustainable society through biodiversity preservation activities.

<b>Yokohama Rubber Basic Environmental Policy</b>	Following the principle of “dealing fairly with society and valuing harmony with the environment”, we shall assert our world-class strengths in technologies for protecting the environment.
<ul style="list-style-type: none"> <li>• Continued improvement of environmental management</li> <li>• Action to combat global warming</li> <li>• Contributing to the creation of a sustainable recycling society</li> </ul>	

<b>Three Pillars of Environmental Issues</b>	As part of ESG management under the YX2023 medium-term management plan, we have established the slogan of “Caring for the Future” and pursue activities based on the following three pillars.
<b>Medium-to-Long-Term Goals and the Road Map for Achieving Them</b>	
<b>Carbon Neutrality</b>	<ul style="list-style-type: none"> <li>• 2030: 38% reduction (compared with 2013 levels) in CO<sub>2</sub> emissions from our own activities</li> <li>• 2050: Net zero CO<sub>2</sub> emissions from our activities</li> </ul>
<b>Circular Economy</b>	<ul style="list-style-type: none"> <li>• 2030: At least 30% renewable/recycled raw material usage</li> <li>• 2050: 100% sustainable raw materials</li> </ul>
<b>Coexistence with Nature</b>	<ul style="list-style-type: none"> <li>• YOKOHAMA Forever Forest Activities: 1.3 million cumulative trees planted and saplings provided by 2030</li> <li>• Promotion of sustainable natural rubber procurement</li> <li>• Biodiversity preservation activities compatible with local ecosystems</li> </ul>

## Initiatives to Achieve Carbon Neutrality

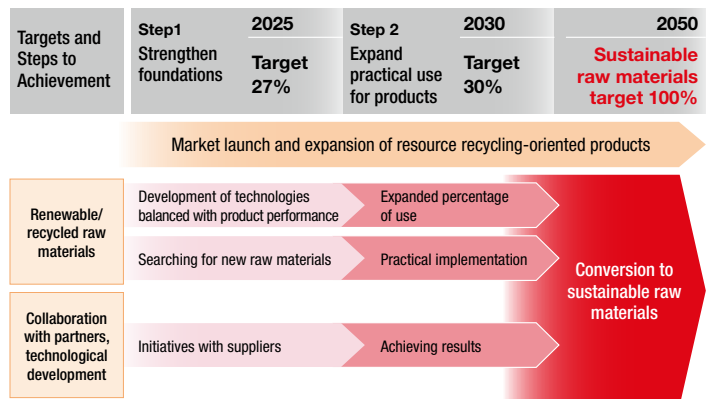
We aim to reduce CO<sub>2</sub> emissions from our own activities by 38% compared with 2013 levels by 2030, and achieve net zero CO<sub>2</sub> emissions by 2050. At our production sites, we will use the Shinshiro-Minami Plant as a model plant for achieving carbon neutrality by 2030, roll out that know-how to other plants in Japan and overseas and strive to achieve carbon neutrality across all plants by 2050. As a company-wide activity beyond manufacturing sites, we will continue to implement 1% annual in-house improvement activities that promote improvements and revisions to facilities, equipment and transportation processes, and aim to achieve carbon neutrality.



The Shinshiro-Minami Plant serving as a model plant for carbon neutrality

## Initiatives to Tackle the Circular Economy

We will strive to make the raw materials we use sustainable, achieve at least 30% renewable/recycled raw material usage by 2030 through collaboration with partners and technological development in addition to our own exploration and development, and aim to achieve 100% sustainable raw materials by 2050. Specifically, we will aim to develop technologies for the highly efficient synthesis of butadiene from ethanol and the production of butadiene and isoprene from biological resources, and develop technologies for tires that use sustainable materials in our motorsports endeavors, with the aim of balancing product performance with the circular economy.



Roadmap to a Circular Economy

## Initiatives Promoting Coexistence with Nature

### •YOKOHAMA Forever Forest Activities

YOKOHAMA Forever Forest Activities were started in 2007 as an effort to plant 500,000 saplings utilizing potential natural vegetation at production and sales-related sites in Japan and overseas by 2017, the 100th anniversary of Yokohama. Starting with tree planting activities implemented on November 11, 2007 at the Hiratsuka Factory, we planted trees at 14 sites in Japan and 21 overseas sites in eight countries, reaching the target of 500,000 trees in September 2017. By the end of 2021 we had planted 628,000 trees and provided 462,000 saplings, for a combined number of 1.09 million. We will promote these activities at each site in Japan and overseas as an ongoing effort, and continue with activities to reach our combined target of 1.3 million trees planted and saplings provided by 2030.

Leveraging the knowledge we have accumulated to

date, we hope to contribute to efforts to curb global warming and preserve biodiversity by continuing with this initiative through tree planting activities at factories and other sites, and the provision of seedlings and tree planting expertise.



### •Sustainable natural rubber procurement

Natural rubber accounts for around 20% of the raw materials used by the Yokohama Group, and as a raw material it is essential for us to provide customers with our products without interruption. To fulfill our responsibility as a global tire manufacturer, Yokohama takes part as a founding member of the Global Platform for Sustainable Natural Rubber (GPSNR)\*1, which was launched at the initiative of the Tire Industry Project (TIP)\*2 as part of the World Business Council for Sustainable Development (WBCSD)\*3. In October of the same year, we also formulated our own Procurement Policy for Sustainable Natural Rubber.

Based on the Procurement Policy for Sustainable Natural Rubber, the Yokohama Group works to establish traceable system, protect human rights, labor and the environment, and engage in related activities.

The Yokohama Group also engages in its own unique initiatives, including agroforestry efforts where our subsidiary Y.T.RUBBER CO.,LTD.(YTRC) provides support for widespread adoption to neighboring farms, and the provision of expertise cultivated through YOKOHAMA Forever Forest Activities.

\*1 GPSNR: Global Platform for Sustainable Natural Rubber

\*2 TIP: Tire Industry Project

\*3 WBCSD: World Business Council for Sustainable Development

### •Activities to preserve biodiversity

The Yokohama Group strives to preserve biodiversity from a long-term perspective, based on the recognition that it uses biological resources such as natural rubber and that its business activities impact biodiversity.

At our plants, we create biotopes, engage in the Forever Forest activities in coordination with local residents and

conduct monitoring to assess our business impact through surveys of living creatures. A total of five sites (Hiratsuka Factory, Onomichi Plant, Ibaraki Plant, Mie Plant and Shinshiro Plant) have obtained Office in Harmony with Nature® certification (ABINC certification) from the Association for Business Innovation in Harmony with Nature and Community (ABINC).

## TOPIC

### Engagement Events with Suppliers

As a part of activities to procure sustainable natural rubber, Yokohama conducts many engagement events around the world, including seminars and Suppliers' Day activities for natural rubber suppliers.

The Suppliers' Day in May 2022 was held in an online format, but 180 representatives from natural rubber producers, trading firms and other organizations took part from around the world. We have asked suppliers for cooperation on specific initiatives as part of our sustainable natural rubber procurement activities, deepened shared understanding with suppliers and strengthened partnerships by recognizing suppliers that have made particular contributions.

In June, as a part of our farm support activities, we conducted seminar events on improving the quality and productivity of natural

rubber for natural rubber farmers in Thailand. The natural rubber farmers that took part have also helped in conducting follow-up surveys on natural rubber properties and productivity.



Trophies presented to supplier award winners

Natural rubber farmers who took part in the seminar event