

Corporate Information	Top Message	The HINO Credo & Course of Action	Realizing a Sustainable World	Environmental Management	Hino's Strategies and Initiatives and the Sustainable Development Goals (SDGs)	CSR Management	Topic	ESG Initiatives			
								Environment	Social	Governance	ESG data and others

〈 Realizing a sustainable world 〉

“Hino Environmental Challenge 2050”

Endeavoring to resolve global environmental issues

Hino has drawn up its fundamental approach to global environmental conservation in the Hino Global Environment Charter to help build a sustainable society through business activities, and is sharing and implementing this charter with all employees and relevant companies.

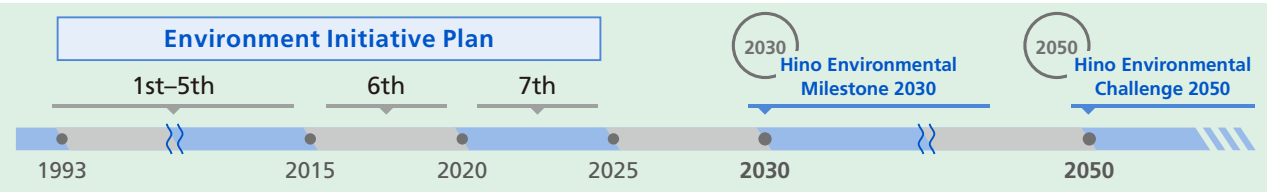
This charter serves as the basis for the Hino Environmental Challenge 2050 and the mid-term targets compiled in the Hino Environmental Milestone 2030 which were established by the Company to promote activities aimed at resolving global environmental issues.

“HINO GLOBAL Environment Charter” (Formulated April, 1993, Revised February, 2001)

I. Basic Policies	
1. We will promote comprehensive and ongoing environmental protection. As a leading manufacturer of diesel vehicles, we will endeavor to offer superior products to customers in all countries, and continue to contribute to the achievement of greater prosperity through our products. In this, we are fully aware of the environmental impact of our products, and pledge ourselves to an earnest commitment to sustainable human and global development through ongoing efforts, whilst also paying careful attention to preventing pollution wherever we engage in our corporate activities.	2. We will take concrete and definite steps to protect the global environment. Through the establishment and operation of our Environmental Management System we will maintain continuous efforts to define, assess and review environmental goals and targets while strictly adhering to all legal and other requirements placed upon us.
II. Action Guidelines	
1. We will minimize the environmental impact of our vehicles throughout their life cycles, and of all our corporate activities in general. We are determined to offer the public products having top-level environmental performance, and to engage in continuous technical development designed to minimize the environmental impact of our products and their distribution. We will also engage in the establishment and operation of an Environmental Management System embracing all stages in the life cycle of our vehicles.	3. We will make greater efforts in the areas of information disclosure, education and awareness-promoting activities. We will engage in activities designed to disseminate to as many people as possible a correct and proper understanding of what we are trying to achieve. At the same time, we will spare no effort to hone our own environmental sensitivity.
2. We will develop closer partnerships with our affiliated companies. The cooperation of a great many companies is critical for the effective pursuit of our business activities. We will work closely with vehicle manufacturing partners both in Japan and abroad, and will strive to extend the mutual range of our environmental protection efforts.	4. Our contribution is not limited to the offering of superior products. As corporate citizens, and as a corporate entity existing within a local community, we will take an active part in a broad range of community and social activities.

Hino’s environmental management scheme (2025 Environment Initiative Plan [Please see P.47](#))

To achieve the Hino Environmental Challenge 2050 and its mid-term targets, the Hino Environmental Milestone 2030, Hino strives to resolve environmental issues by creating an execution plan every five years and putting PDCA into action every year.



Passing on a world that is a better place for future generations

In 2017, Hino established the Hino Environmental Challenge 2050 and announced its goal to reduce to zero its environmental impact.

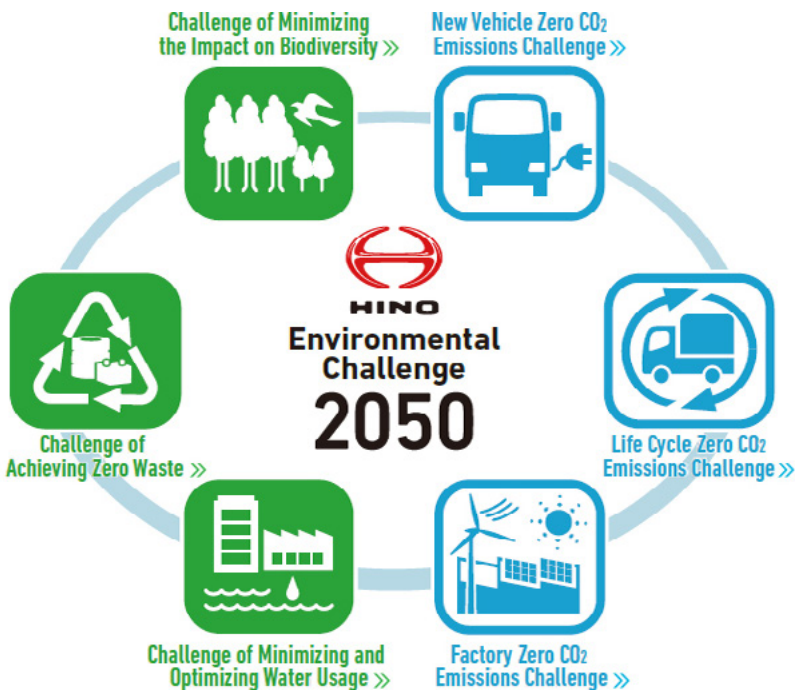
The Company has established its Corporate Mission “to make the world a better place to live by helping people and goods get to where they need to go” and contribute to society by supporting customer businesses through the manufacturing, sales, and servicing of commercial vehicles such as trucks and buses that meet the needs of customers around the world.

Trucks and buses place a burden on the environment throughout the product’s life cycle, from production of components and materials to vehicle manufacturing, customer use, and disposal.

As a manufacturer of commercial vehicles that continues to support the societal lifelines of transportation and logistics, Hino is directly combating a multitude of environmental issues including worsening global warming, water shortages, resource depletion, and the destruction of nature through the Six Challenges to be enacted by the Hino Group.



Six Challenges to be enacted by the Hino Group



Creating the vision of Hino Motors through contributing to SDGs

- Minimizing environmental impact in each step of the truck and bus business

[Please see P.32](#)



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“Hino Environmental Milestone 2030”

Mid-term milestones for achieving zero environmental impact

Hino has identified resolving environmental problems as one of the most important issues of management. The Company is further accelerating its efforts to successfully achieve the Hino Environment Challenge 2050 that aims to contribute to a sustainable global environment. To that end, it established mid-term milestones in April 2021 that are to be accomplished by 2030 for important initiatives dubbed the “Six Challenges.”

Harmonious co-existence with the global environment is an issue shared by all of humankind. With the aim of realizing carbon neutrality, Hino continues to pursue numerous measures in collaboration with governments and related sectors to thoroughly reduce CO₂ over the entire life cycle from the perspectives of customers and society.



In order to realize the “carbon neutral,” it is necessary to reduce CO₂ emissions in the lifecycle and take sustainable measures.

We will pursue all kinds of measures from the perspectives of not only our products, but also our customers and society, in cooperation with governments of respective countries and related industries.

Hino Environmental Milestone 2030

Hino Environmental Challenges 2050	Pursuit of all kinds of measures from the perspectives of customers and society	Hino Environmental Milestone 2030
Life Cycle Zero CO ₂ Emissions Challenge	Adoption of decarbonized energy	–25% from 2013
New Vehicle Zero CO ₂ Emissions Challenge	Development and diffusion of technologies	–40% from 2013
Factory Zero CO ₂ Emissions Challenge	Streamlining of transportation	–40% from 2013
Challenge of Minimizing and Optimizing Water Usage	Promotion of decarbonization of the production process	–40% from 2013
Challenge of Achieving Zero Waste	Water saving and thoroughgoing management of waste water quality	Quantity: Water saving and recycling while keeping regional characteristics in mind Quality: Thoroughgoing management based on our rigorous criteria
Challenge of Minimizing the Impact on Biodiversity	Promotion of resource recycling	–30% from 2018
	Conservation activities that suit the environment of each region	Realize of factories “that can coexist with nature”

*Global goal

〈 Realizing a sustainable world 〉

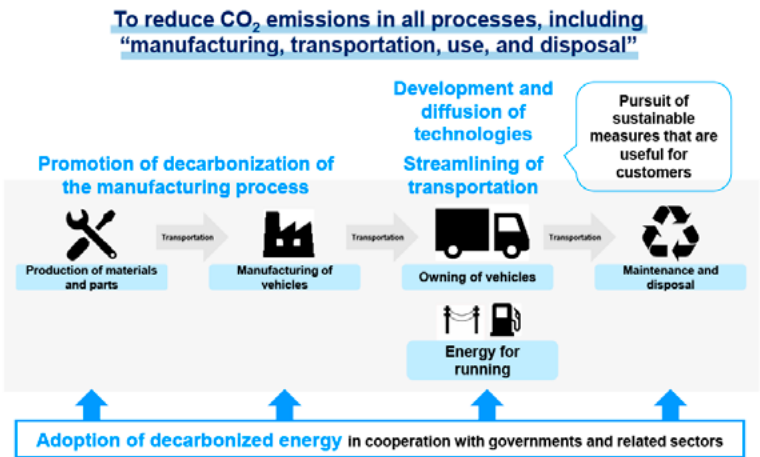
“Six Challenges (Initiatives)”



Life Cycle Zero CO₂ Emissions Challenge

Target Reduce vehicle life cycle CO₂ emissions by 25% compared to fiscal 2013 (global average)

Carbon neutrality refers to zero CO₂ being emitted in practical terms in all processes related to the life cycle of vehicles. Technological developments such as electrification must be promoted and popularized since the amount of emissions in the utilization process comprises approximately 90% of all emissions. In addition, the optimization of efficient transport throughout society helps reduce CO₂ overall, including owned vehicles. Hino is pursuing and spreading sustainable measures considered necessary to aid customers and society, which are the primary drivers of utilization. It is also working in concert with energy policies, infrastructure development, and energy industry endeavors in various countries to thoroughly promote what needs to be done.



New Vehicle Zero CO₂ Emissions Challenge

Target Reduce CO₂ emitted during vehicle use by 40% compared to fiscal 2013 (global average)



Accelerating the electrification of vehicles

Hino is striving for early implementation in society as quickly as possible by promoting both technological development that offers practical and useful choices from the customer perspective, and by providing services to spread that technology. This includes taking into account the utilization methods and needs of each customer, infrastructure development in various markets, and energy policies.



Improvement of diesel engine fuel efficiency

Hino is further refining environmental technology for diesel engines (including hybrid technologies) trusted by customers worldwide and which represent one of the Company's strengths.

Our approach:
Electric vehicle development/promotion of the use of electric vehicles/streamlining of transportation



Improving logistics efficiency

In addition to reducing vehicles CO₂ emissions, Hino will further reduce CO₂ with the goal of improving transport efficiency.

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“Six Challenges (Initiatives)”



Factory Zero CO₂ Emissions Challenge

Target Reduce CO₂ emissions from factories by 40% compared to fiscal 2013 (global plant average)



Actively adopt innovative technology

Energy-saving production methods and equipment

Hino will drastically reduce CO₂ through a combination of endeavors such as introducing technologies to streamline energy consumption, reassessing design, and optimizing facility operations.

concrete example



Machining that does not produce chips



Dry/airless coating

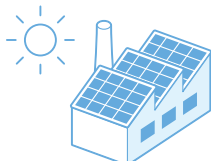


Introduction of renewable energy

Adoption of energy that does not emit CO₂

Hino will actively promote installation of renewable energy power generators in plants and utilization of renewable energy in outside purchased power.

concrete example



In-factory power generation



Adoption of power generated with renewable energy

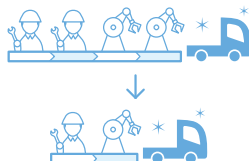


Driving Improvement in daily life

Minimization of energy consumption by eliminating waste and irregularity thoroughly

Each member of Team Hino will carry out their work fully conscious of its connection to carbon neutrality and steadily implement energy-saving activities.

concrete example



Simplification/downsizing of processes



Energy saving



Challenge of Minimizing and Optimizing Water Usage

Target Quantity: Effectively save and recycle water in consideration of each region's water risks
Quality: Conservation of water environments through stringent management based on strict self-standards

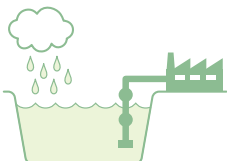


Use less water

Reduction of water usage in the manufacturing process

In addition to water-saving activities, Hino will minimize water intake from outside plants by recycling water discharge inside plants and efficiently using rainwater.

concrete example



Use of rainwater



Reuse



Keep water returned to the environment clean

Thorough management of wastewater

Hino will establish and adhere to its own management standards, which are stricter than legal standards in various countries and have no impact on the surrounding aquatic environment.

concrete example



Wastewater management



Challenge of Achieving Zero Waste

Target Reduce waste volume from production plants around the world by more than 30% compared to fiscal 2018



Reduce waste

Promotion of 3R activities

Hino will reduce waste onsite through everyday improvement activities, reuse waste material by utilizing the latest technology, and recycle waste to drastically reduce waste from production plants.

concrete example



Recycling of casting sand



Optimize resource efficiency

Pursuit of “Car to Car”

Hino will promote the reuse and circulation of resources by rebuilding parts and making material valuable again by thoroughly sorting the waste produced during the manufacturing and vehicle disposal processes.

concrete example



Fuel conversion of waste plastic



Challenge of Minimizing the Impact on Biodiversity

Target Transform all global production plants into worksites that are in harmony with nature*

* Plants in harmony with nature...refers to plants that promote activities taking regional characteristics (ecosystems) into account and maximize contributions that minimize environmental load



Conserving biodiversity

Hino will promote conservation activities tailored to regional characteristics by focusing on the regional assets of water (rivers and oceans) and greenery (trees and forests).

Water: Conservation of rivers and oceans (cleanup of rivers etc.)

Greenery: Building an ecosystem network (leading to green spaces)

concrete example



Ecosystem survey



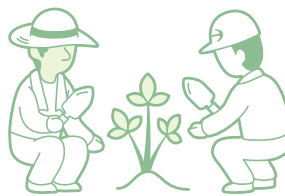
Provide learning opportunities

Hino will provide children and local residents leading the next generation with opportunities to learn and think about how biodiversity activities today link to the future.

In Plants (employees): Training, exhibits, etc.

Region (residents): Events offering hands-on experiences (tree planting, etc.)

concrete example



Tree planting activity