

Environmental

Environmental

Advancing Our Environmental Vision and Long-Term Environmental Targets

▶ **“Environmental Vision” and “Hitachi Environmental Innovation 2050”**

Environmental Action Plan

Environmental Governance

Achieving a Decarbonized Society

Achieving a Resource-Efficient Society

Achieving a Harmonized Society with Nature

Environmental Data

Advancing Our Environmental Vision and Long-Term Environmental Targets

“Environmental Vision” and “Hitachi Environmental Innovation 2050”

Policy

Target

GRI 2-23

Taking into account the growing urgency of environmental issues in the world and the management policies, Hitachi formulated an Environmental Vision that clearly outlines our vision for society from a long-term perspective. In working toward achieving this vision, we have established a set of long-term environmental targets aimed at building a decarbonized society, a resource-efficient society, and a harmonized society with nature under the banner of Hitachi Environmental Innovation 2050 and are working to advance them.

The movement toward a decarbonized society is accelerating both in Japan and internationally. We are seeing the decarbonization of entire value chains and an accompanying green transformation (GX). Hitachi set a goal to achieve carbon neutrality by fiscal 2030 in our factories and offices, and by fiscal 2050 throughout our value chain. We are currently engaged in measures to achieve these goals.

To meet our goal of Achieving a Resource-Efficient Society, we aim to create a sustainable society, while keeping the transition to a circular economy in mind, by improving the efficiency of water and resources use at Hitachi by 50% by fiscal 2050 (compared to fiscal 2010 levels).

To meet our goal of Achieving a Harmonized Society with Nature, we strive to minimize our impact on natural capital by keeping a close eye on international initiatives such as the 15th Conference of the Parties (COP15) to the Convention on Biological Diversity, held in December 2022, and the Task Force on Nature-Related Financial Disclosure (TNFD).

Hitachi’s environmental initiatives, including the achievement of these long-term environmental targets, are mandated by the short-term Environmental Action Plan which is updated every three years and pursued Group-wide.

▶ Environmental Vision and Long-term Environmental Targets: Hitachi Environmental Innovation 2050

Environmental Vision

Hitachi will resolve environmental issues and achieve both a higher quality of life and a sustainable society through its Social Innovation Business in collaborative creation with its stakeholders.

The aim of Hitachi’s environmental management

Decarbonized society
Climate Change Mitigation/Adaptation

Resource Efficient Society
Saving and Recycling Resources

Harmonized Society with Nature
Preservation of Ecosystems

Long-term Environmental Targets

Hitachi’s resolution looking toward 2050 and 2030

Hitachi Environmental Innovation 2050

For a **decarbonized society**

Achieve **carbon neutrality** by FY2050 through the value chain
Reduce CO₂ emissions **50%** by FY2030 (compared to FY2010)

Achieve **carbon neutrality** by FY2030 at business sites (factories and offices)

For a **resource efficient society**

Build a society that uses water and other resources efficiently with customers and society

Efficiency in use of water/resources

FY2050 **50%** improvement (compared to FY2010 in Hitachi Group)

For a **harmonized society with nature**

Impact on natural capital

Minimized

Environmental Action Plan

Set environmental action items and targets every three years in order to achieve the long-term targets

■ P.035 Achieving a Decarbonized Society
 ■ P.050 Achieving a Resource-Efficient Society
 ■ P.055 Achieving a Harmonized Society with Nature

Environmental

Environmental

Advancing Our Environmental Vision and Long-Term Environmental Targets

➤ **“Environmental Vision” and “Hitachi Environmental Innovation 2050”**

Environmental Action Plan

Environmental Governance

Achieving a Decarbonized Society

Achieving a Resource-Efficient Society

Achieving a Harmonized Society with Nature

Environmental Data

Progress in Reaching Hitachi Environmental Innovation 2050 Targets

Target	Activities
--------	------------

We are making progress with major Hitachi Environmental Innovation 2050 targets, as shown below. We are generally on track, and we will continue strengthening our environmental activities to achieve these targets. Regarding our long-term value chain target to help build a decarbonized society, we are developing activities which help to reduce CO₂ emissions by providing products with top-tier environmental performance.

For a decarbonized society

① Reduced CO₂ Emissions at Business Sites (Factories and offices)

	FY2022 target	FY2022 result	FY2030 target	FY2050 target
Reduction rate of total CO ₂ (compared to FY2010)	32%	40%	100% (carbon neutrality)	(Maintain 100%)

For a resource efficient society

① Enhanced Efficiency in the Use of Waste and Valuable Generation at Business Sites (Factories and Offices)

	FY2022 target	FY2022 result	FY2030 target	FY2050 target
Reduction rate in waste and valuables generation per unit (compared to FY2010 Hitachi Group)	14%	16%	—	50% reduction

① Enhanced Efficiency in the Use of Water at Business Sites (Factories and Offices)

	FY2022 target	FY2022 result	FY2030 target	FY2050 target
Reduction rate in water use per unit (compared to FY2010 Hitachi Group)	22%	27%	—	50% reduction

Note: See the referenced pages for details on the figures cited.

Environmental

Environmental

Advancing Our Environmental Vision and Long-Term Environmental Targets

▶ **“Environmental Vision” and “Hitachi Environmental Innovation 2050”**

Environmental Action Plan

Environmental Governance

Achieving a Decarbonized Society

Achieving a Resource-Efficient Society

Achieving a Harmonized Society with Nature

Environmental Data

Green Strategy

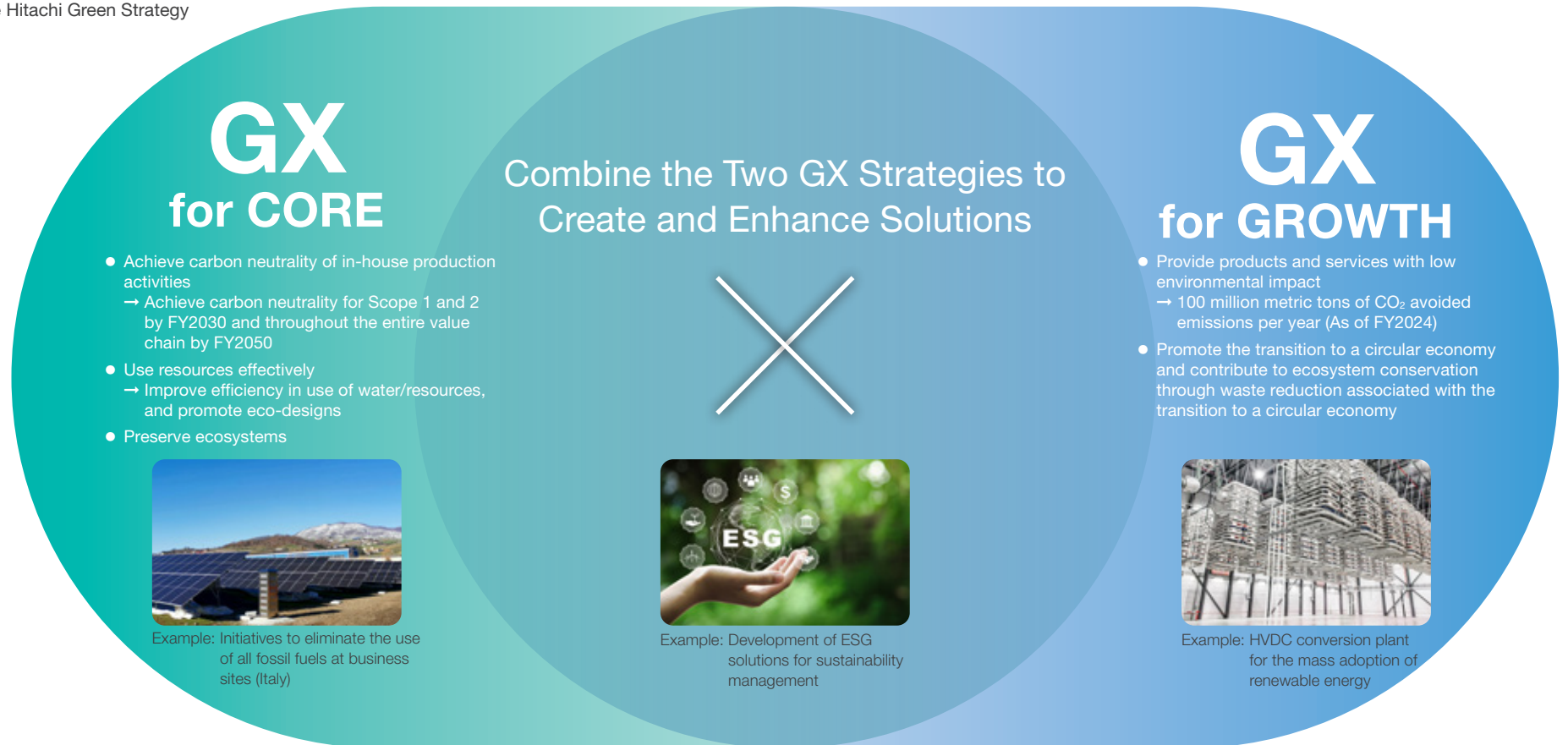
Approach

Green Strategies for Sustainable Growth

Hitachi contributes solutions to environmental issues through our Social Innovation Business. Aiming to be a Climate Change Innovator that leads the way in contributing to the decarbonization of society, we formulated a Green Strategy consisting of two pillars: *GX for CORE*, through which we accelerate Hitachi Group green transformation, and *GX for GROWTH*, through which we contribute to the green transformation of our customers and society. By moving forward in both *GX for CORE* and *GX for GROWTH*, we will accelerate the deeper development of technology and expertise, improving the environmental value Hitachi provides on a continued basis.

The Hitachi Green Strategy contributes to the creation of decarbonized and resource-efficient societies that are harmonized with nature.

▶ The Hitachi Green Strategy



Environmental

Environmental

Advancing Our Environmental Vision and Long-Term Environmental Targets

Environmental Vision” and
“Hitachi Environmental Innovation 2050”

Environmental Action Plan

Environmental Governance

Achieving a Decarbonized Society

Achieving a Resource-Efficient Society

Achieving a Harmonized Society with Nature

Environmental Data

Environmental Action Plan

To achieve its Environmental Vision and the Hitachi Environmental Innovation 2050 long-term environmental targets, Hitachi draws up an Environmental Action Plan containing indicators and targets for the three-year period covered by the Mid-term Management Plan and steadily promotes its implementation.

Environmental Action Plan for 2024 (Fiscal 2022–2024)

Target	Activities
--------	------------

Hitachi pursues environmental activities under the Environmental Action Plan for 2024 (Fiscal 2022–2024) that were based on the 2024 Mid-term Management Plan. The targets set for fiscal 2022 and our results are as follows.

Environmental Action Plan for 2024

Our environmental activities and targets are updated every three years with a view to achieving our long-term environmental targets.

◆◆◆: Achieved ◆◆: Partially achieved

Items		Indicators	FY2022 targets	FY2022 results (achievement level)	FY2023 targets	Final FY (2024) targets	
Environmental Management	Environmental human capital development	Promote environmental human capital development	Promote environmental human capital development	Environmental human capital development mindful of changes in personnel composition, including generational shifts			
A Decarbonized Society	Factories and offices	Reduce total CO ₂	Reduction rate of total CO ₂ * ¹ (compared to FY2010)	32%	40% ◆◆◆	35%	50%
		Improve transportation energy consumption per unit (Japan)	Improvement rate of transportation energy consumption per unit (Japan)* ² (compared to FY2020)	2%	14% ◆◆◆	3%	4%
	Products and services	Reduce CO ₂ emissions of products and services	Reduction rate of CO ₂ emissions per unit (compared to FY2010)	12%	15% ◆◆◆	13%	14%
		Promote eco-design	Environmentally conscious design assessments and LCA application rates for newly developed and designed products	CO ₂ avoided emissions	Target: CO ₂ avoided emissions of 100 million metric tons per year (FY2024) Forecast: CO ₂ avoided emissions of 126.1 million metric tons per year* ⁴		
A Resource Efficient Society	Factories and offices	Enhance efficiency in the use of resources	Number of sites achieving zero landfill waste* ³	90	199 ◆◆◆	124	158
			Reduction rate in waste and valuables generation per unit (compared to FY2010)	14%	16% ◆◆◆	17%	20%
			Reduction rate in water use per unit (compared to FY2010)	22%	27% ◆◆◆	23%	24%
			Effective utilization rate of plastic waste	77%	88% ◆◆◆	81%	85%
Water risks	Respond to water risks	Responding to water risks	Minimization of business impacts regarding water risks				
A Harmonized Society with Nature	Chemical substance	Reduce chemical emissions	Reduction rate in chemical atmospheric emissions per unit (compared to FY2010)	5%	21% ◆◆◆	6%	8%
	Ecosystem preservation	Impact on natural capital	Calculation of negative impacts (business unit/Group company-level LCA implementation) / Calculation of positive impacts (forest conservation activities)				

*1 Reduction rate of total CO₂: Indicator representing CO₂ emissions from Hitachi's consumption of energy alone

*2 This is a target for Japan only. Targets in other countries are set on a voluntary basis.

*3 Pursued in assumed conformance with regulations, conditions, etc. Less than 0.5%

*4 Three-year average