

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

Environmental Initiative Plan (5-year action plan) 2020 Environment Initiative Plan 2025 Environmental Initiative Plan
[Six Challenges \(Initiatives\)](#) Compliance Environmental Management Various Environmental Data Other Activities



CHALLENGE! 1 New Vehicle Zero CO₂ Emissions Challenge

Hino Motors' Environmental Technologies Existing technologies

Trucks and buses are made to transport large numbers of people or goods over relatively long distances, and fuel and energy are needed to do that. As a result, emission of CO₂, a greenhouse gas, is inevitable.

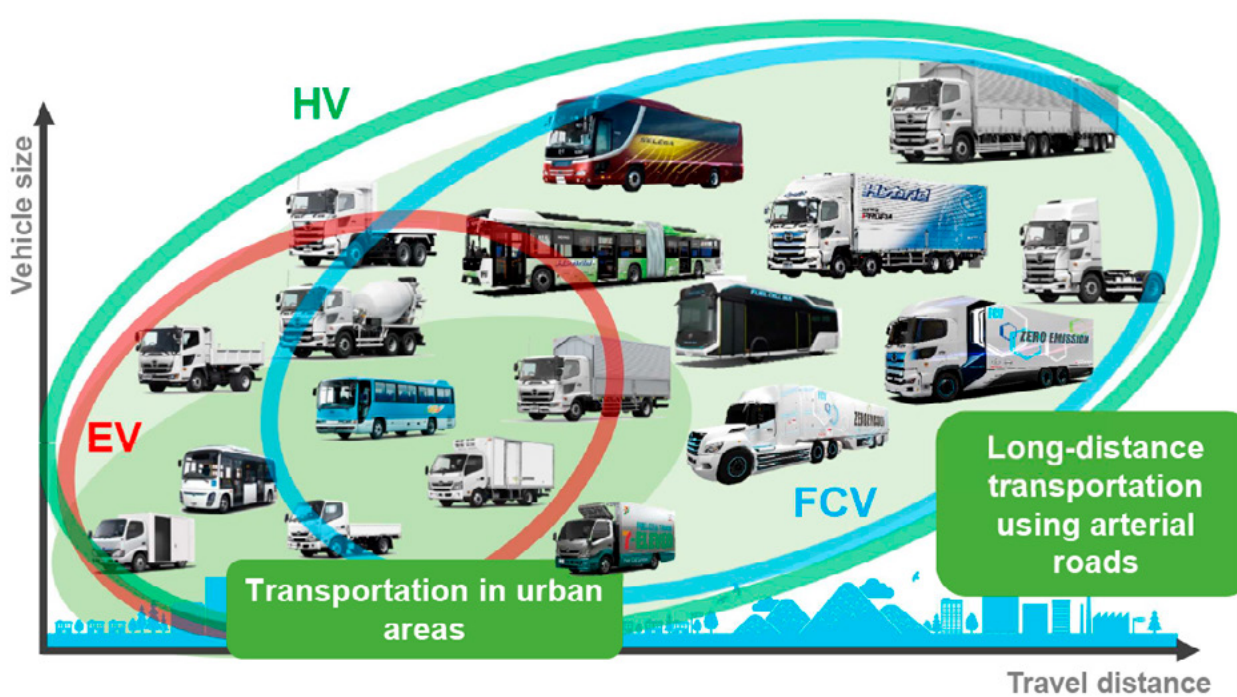
Unique aspects of trucks and buses include their comparatively large size and loading capacities, the long distances they travel, and their wide array of uses and places where they are used. Taking into account these varying conditions, Hino Motors considers what types of environmental technologies are most suitable. By providing users with optimally equipped vehicles, the Company hopes to help curb global warming.

Initiatives for Next-generation Vehicles Next-generation vehicle Existing technologies More efficient

Hino Motors capitalizes on the unique benefits of electric vehicles such as clean exhaust gas emissions and quietness of ride to create next-generation vehicles that meet customers' and society's needs.

Hino primarily pursues development for applications in urban areas such as light-duty trucks and buses and route buses.

Hino will continue to develop vehicles along with related technologies including batteries, while seeking to reinforce social infrastructure, such as charging facilities and hydrogen stations, in cooperation with relevant organizations. The ultimate goal is to offer electric or hydrogen power options on all models.



Initiatives for reducing CO₂ emissions by 90%

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Hino Motors' Highly Promising Technologies

(technologies scheduled for practical implementation, technologies scheduled for trial experiments)

◆ BEV (electric vehicles)

● Light-duty BEV truck

Hino Motors is developing an ultra-low-floor, front-wheel-drive BEV. It achieves an ultra-low floor measuring approximately 400 mm, which is half the ground clearance of conventional rear-wheel drive vehicles. This dramatically improves cargo handling and accessibility.

The design also succeeds in making deliveries easy with a walk-through structure.



● Light-duty BEV bus

The Hino Poncho has been equipped with an electric motor to achieve green transportation while retaining its user-friendly universal design and optimum form for community buses. The model succeeds in being considerate of people and the environment, while contributing to sustainable community transportation for the future.



◆ FCEV (fuel cell vehicles)

● Heavy-duty FCEV truck

Heavy-duty trucks used for highway transport are required to have sufficient driving range, load capacity, and fuel supply for short periods. Hino Motors believes fuel cell systems using high-energy-dense hydrogen are effective. The heavy-duty FC truck being developed has a target driving range of approximately 600 km and aims for both environmental performance and advanced-level commercial vehicle practicality.



● Heavy-duty FCEV truck (for North America)

Hino Motors is developing a high-performance, heavy-duty truck that operates without emitting CO₂ by using the chassis of the new model HINO XL Series in combination with fuel cell technology from Toyota.



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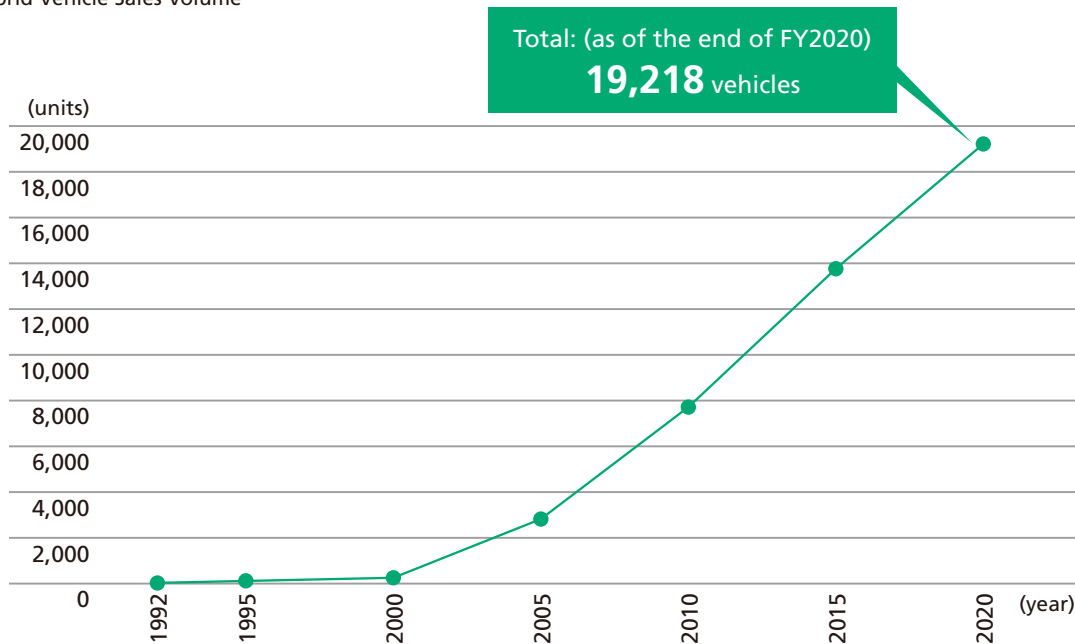
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Evolution of the Hybrid Vehicle

[Next-generation vehicle](#)
 [Existing technologies](#)
 [More efficient](#)

Ever since Hino Motors commercialized and sold the world's first hybrid bus in 1991, cumulative global sales of hybrid vehicles surpassed 19,000 as of the end of fiscal 2020.

● Hybrid Vehicle Sales Volume



Hino 300 Series (for overseas market)



Hino Blue-Ribbon Hybrid Articulated Bus



The heavy-duty Hino Profia Hybrid truck