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Hino Motors, Ltd.

HINO

Hino Motors' Long Term Environmental vision

Hino Environmental Challenge 2050

- To make the world a better place to live and to connect the next generation to the future -

Developing the Hino Environmental Challenge 2050

President & CEO, Representative Director

Yoshio Shimo

Based on its mission, "to make the world a better place to live by helping people and goods get to where they need to go—safely, economically and with environmental responsibility—while focusing on sustainable development," Hino Motors has supported customers' businesses and contributed to society through the manufacture and sales of commercial vehicles, including trucks and buses.

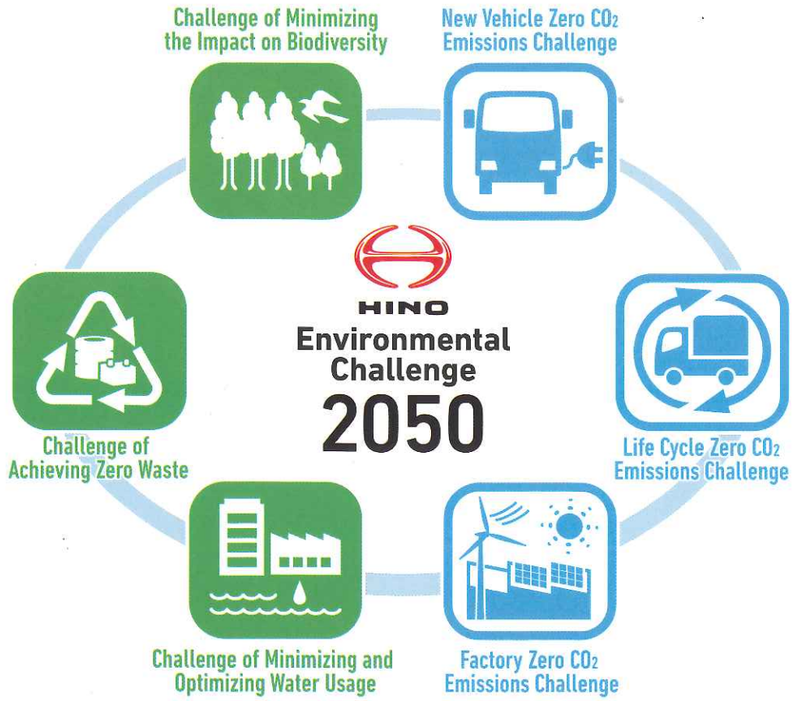
Trucks and buses that we provide impact the environment in every aspect of its product life cycle, from making parts and materials used in vehicles to vehicle manufacture, use, and disposal.
Therefore, we formulated the Hino Environmental Challenge 2050 as a goal for all Hino Group companies to challenge in order to fully reduce their environmental impact, and make the world a better place to live and connect the next generation to the future.

The Hino Environmental Challenge 2050 has set very high goals, including the New Vehicle Zero CO_2 Emissions Challenge, in every process of the Hino Group's business. The Group will work as one to revolutionize logistics through the technical innovation of products, manufacturing innovation at production sites, and IoT technologies. Hino Motors will take on the new challenge of becoming an environmentally advanced company.

To make the world a better place to live and connect the next generation to the future, Hino Motors will continue to be an environmental frontrunner.

The six challenges to be taken up by the Hino Group

For more information, please visit the website below
www.hino-global.com/csr/challenge2050/



CHALLENGE! 1 TARGET While driving

Reduce CO_2 Emissions By 90%

Developing
Next-generation vehicle
Plug-in hybrid,
Electric vehicles,
Fuel cell vehicles ...

Evolve
Existing technologies
Raise environmental performance,
such as fuel efficiency,
as much as possible.

Make distribution
More efficient
Improve distribution by utilizing
IoT technologies that are promoted
with customers.

CHALLENGE! 2 TARGET Vehicle Life Cycle - from manufacturing to disposal

Zero CO_2 Emissions

At Materials manufacturing stage,
reduce CO_2 emissions thoroughly
Reduce the amount of materials used and
the number of parts.
Select materials that reduce CO_2 emissions.

At the Distribution stage,
reduce CO_2 emissions thoroughly
Improve loading rate, modal shift,
and shorten distribution routes.

At Disposal / Recycling stage,
reduce CO_2 emissions thoroughly
Introduce materials including
biomaterials proactively.
Pursue easy-to-disassemble designs.

CHALLENGE! 3 TARGET Factory with

Zero CO_2 Emissions

Acceleration of
Continual improvement
Reduction of machining time,
the number of process, and
length of machining line for
"simplification & streamlining".

Introduction of
Innovative technology
Introduction innovative technologies
including IoT for
"Automation & Greater Efficiency".

Proactive use of
Renewable energy
Use of natural energy
that have no effect on the environment.

CHALLENGE! 4

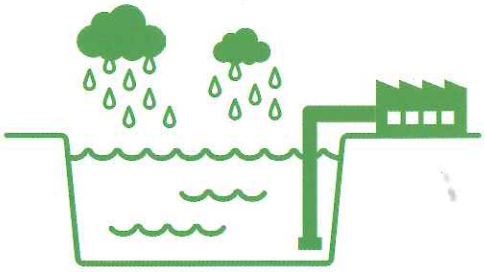
TARGET

At each site

Minimize the amount of water Purify wastewater thoroughly

Small amounts of water are used

Use rainwater proactively.
Promote wastewater collection and reuse.



Returned water is Purified

Promote the thorough purification of wastewater by enhancing the operation.
At the same time, reduce the risk of liquid leakage rigorously.

CHALLENGE! 5

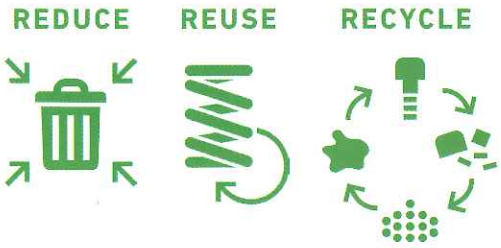
TARGET

At each site

Contribute to sustainable resource use Achieve zero waste

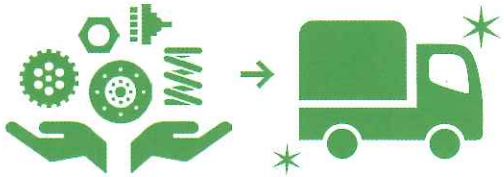
Conduct 3R to achieve Zero waste

Conduct "Reduce", "Reuse" and "Recycle" thoroughly.



Newly manufactured vehicles using the resources from disposed vehicle

More efficient resource use by fully pursuing the "vehicle-to-vehicle recycling technology".



CHALLENGE! 6

TARGET

Establishing a Future Society in Harmony with Nature

Conservation of biodiversity for the next generation

We will provide children of next generation actively with opportunities to study biodiversity.

Protection of all species

We will conduct the preservation activity that be in line with the characteristics of each species.