Highlights of Environmental Activities:

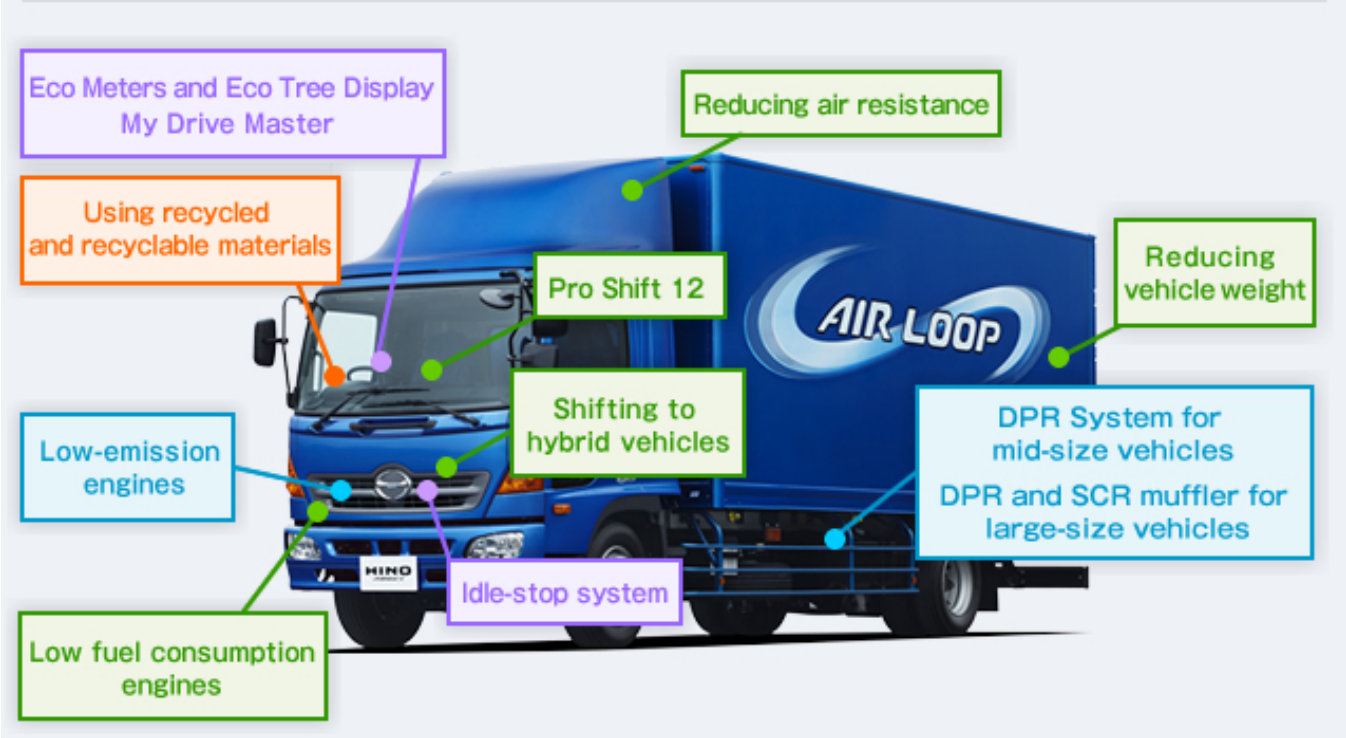
With environmental targets set from the product planning stage, the plan is implemented through the application of technologies that can contribute to reducing environmental load.

Recognizing that technologies designed to lower fuel consumption can make a significant contribution to reducing CO_2 emissions, Hino Motors enhanced the performance of its vehicles with eco-driving technologies that encourage low fuel-consumption practices by drivers.

Looking forward, Hino Motors intends to reduce its impact on the environment by continuing to carry out recycling activities and apply technologies that contribute to decreasing the amount of materials used.

Technologies for reducing environmental impact

- Low exhaust emission technology
- Low fuel-consumption technology for reducing CO_2 emissions
- Recycling technology
- Eco-driving support technology



Eco Meters and Eco Tree Display

The amount of leaves in the tree display corresponds with the level of economical driving, providing drivers with direct feedback.

My Drive Master

Display indicators and sounds give drivers guidance on economical driving.

Idle-stop system

When waiting in traffic jams or at traffic lights, the idle-stop system automatically turns off the engine when the vehicle is shifted to neutral.

Using recycled and recyclable materials

Hino Motors uses quality recyclable thermoplastic resin for interior plastic parts, and endeavors to use recycled materials for floor mats, seat cushions, and battery covers.

Reducing air resistance

Truck cabs are designed to have less air resistance.
Aerodynamic bumpers and wind deflectors contribute to reducing air resistance.

Pro Shift 12

A transmission that contributes to low fuel consumption by automatically selecting a fuel-efficient "green zone."

Reducing vehicle weight

Hino Motors is reducing the weight of its vehicles by using lighter materials and fewer parts without affecting vehicle performance.

Shifting to hybrid vehicles

For its small- and mid-size trucks and buses, Hino Motors contributes to better fuel efficiency through advanced hybrid systems.

DPR System for mid-size vehicles

The Diesel Particulate Active Reduction (DPR) system employs minute pore filters that filter exhaust gas through a high-heat resistant ceramic wall. To utilize this filtering function, the system automatically shifts to cleaning mode when a certain amount of soot accumulates and starts burning it away, effectively regenerating it as exhaust. The system has improved the efficiency of this regeneration compared to Hino Motors' previous DPR model for vehicles of similar size.

DPR and SCR muffler for large-size vehicles

Hino Motors has reduced emissions of NOx and PM by combining its DPR System that has enhanced PM filtering with its Diesel Exhaust Fluid (DEF) Selective Catalytic Reduction (SCR) system that is designed to reduce NOx to harmless water and nitrogen.

Low-emission engines

Cool EGR System

Hino Motors' Exhaust Gas Recirculation (EGR) system is designed to reduce NOx emissions by mixing a portion of exhaust gas with air intake to lower engine combustion temperature.

Pulse EGR system

Hino Motors' innovative system for reducing NOx re-circulates exhaust gas from exhaust valves by utilizing the pressure wave of exhaust.

Low fuel-consumption engines

Engine control systems

Hino Motors' engine control unit (ECU) processes information from a variety of sensors to provide feedback to respective systems. Through subtle and comprehensive control, the systems reduce emissions of NOx, particulate matter (PM), and CO_2, while simultaneously improving fuel efficiency.