DENSO'S

ENVIRONMENT

TECHNOLOGIES

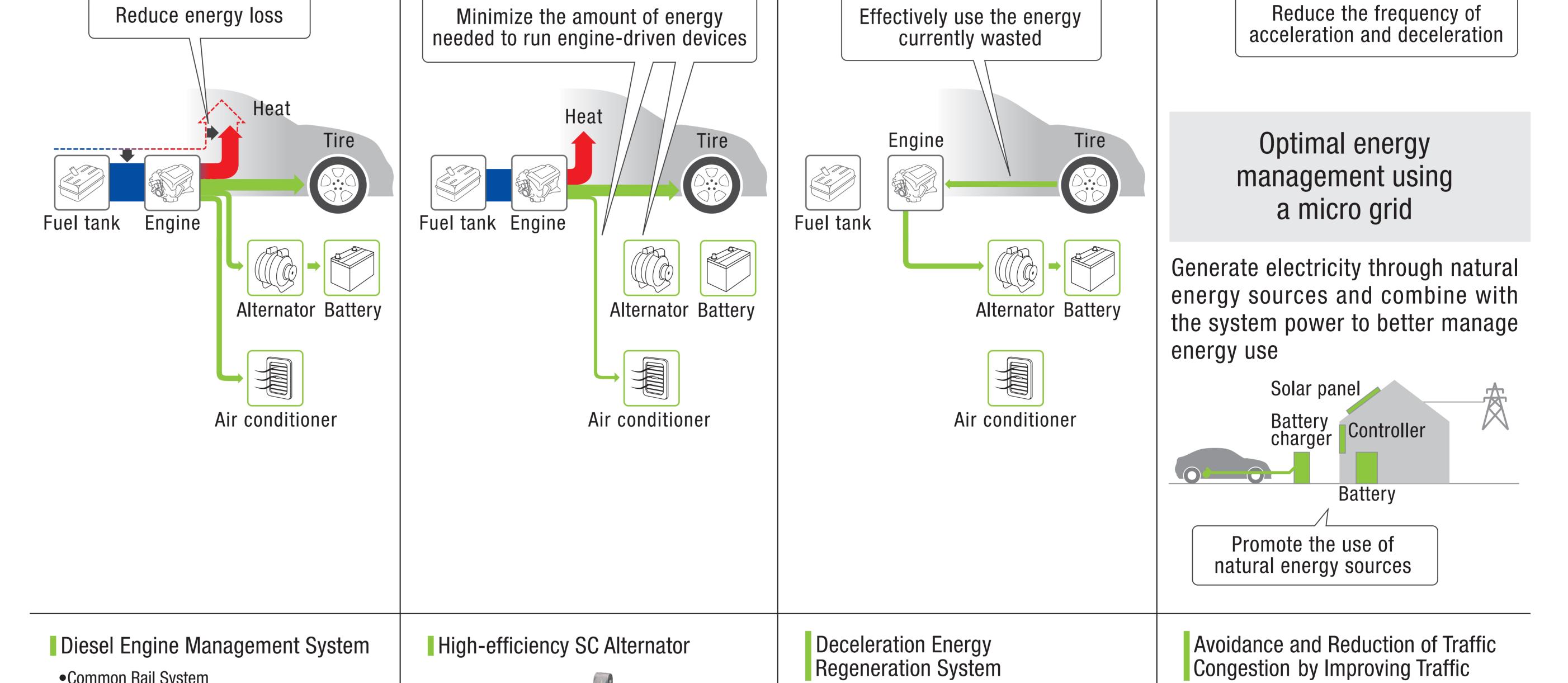
Increasing vehicle energy efficiency (Energy Management)

Increasing energy efficiency in all sectors of society

Increasing engine efficiency Reducing engine load Recovering energy ITS-based traffic control Increase the efficiency of engines to Use the energy dissipated as heat Ease traffic congestion and allow Reduce the workload on the engine reduce wasteful use of fuel by minimizing the amount of energy in the brakes, to generate electricity drivers to avoid congested roads not used for driving vehicle, such as the energy used for air conditioner

Technology to preserve a sound planet

DENSO wants to help reduce the burden cars can put on the environment, and improving fuel efficiency is one way to do that. Most of the fuel energy used to power a vehicle is lost as heat or simply wasted. To better manage energy, DENSO is focused on improving a vehicle's energy efficiency, which also helps improve fuel efficiency. Moreover, DENSO is developing ITS-based traffic control technologies to ease



 Common Rail System Autonomous Injection Accuracy Compensation Technology(i-ART) •EGR Control System •Sensor Technology Rail Injector Engine ECU Ultra-high-pressure Gasoline Direct Injection Engine

Ejector Cycle Air Conditioner

Management System

• Direct Injection System •EGR Control System •Sensor Technology

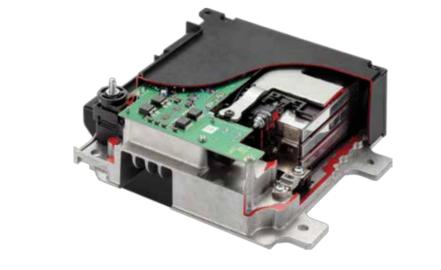
Stop/Start System



Cold Storage Air Conditioner

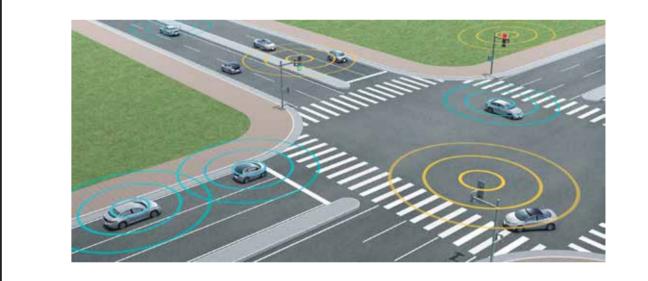
Heat Pump Air Conditioner





Lithium Ion Battery Pack

Heat Storage System



Convoy Driving

Micro Grid and Home Energy Management Products

traffic congestion and micro grid technologies to help manage energy use in all sectors of society.



Hybrid Vehicle, Electric Vehicle and Fuel Cell Vehicle Products

