Logistics

Reducing CO_2 from Logistics

Basic Policies on Logistics (Distribution)

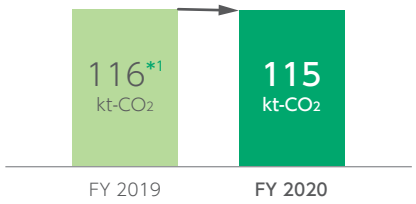
The Mitsubishi Electric Group carries out just-in-time improvement activities to improve logistics. These activities aim to visualize logistics work by quantification, and to eliminate irrational, irregular, and wasted efforts to improve transport efficiency and economy, and to reduce environmental impact through "Eco-Logistics" (Economy & Ecology Logistics).

Fiscal 2020 Achievements of Mitsubishi Electric Group Companies in Japan

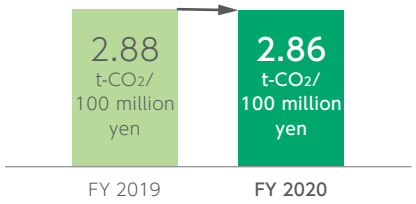
At Mitsubishi Electric Group companies in Japan, the following measures continued to be implemented throughout fiscal 2020. As a result, CO_2 emissions totaled 115 kt-CO_2, and the amount per unit of sales amounted to 2.86 t-CO_2/100 million yen (down 0.6% compared to the previous fiscal year).

- Reviewing transportation routes
- Switching from truck transportation to rail transportation (modal shift)
- Reducing the number of trucks by improving load ratios (including Container Round Use)

Total CO_2 Emissions from Distribution (Mitsubishi Electric Group Companies in Japan)



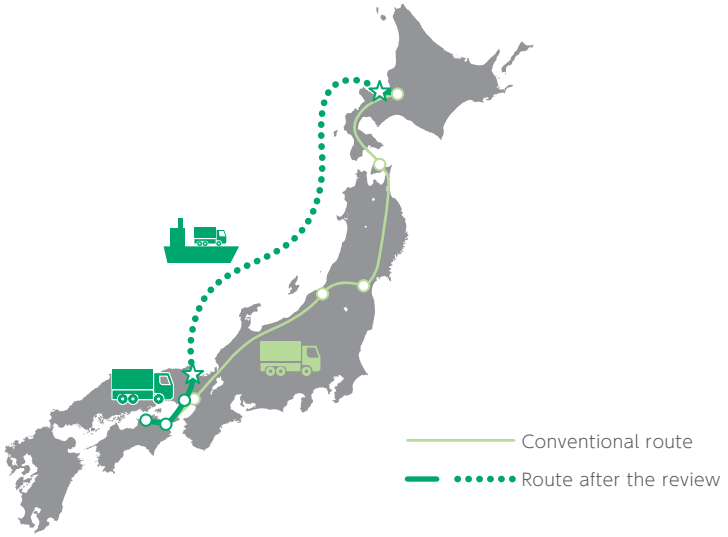
CO_2 Emissions per Unit of Sales from Distribution (Mitsubishi Electric Group Companies in Japan)



*1 This figure has been altered in accordance with the new aggregation method.

Example **Reducing CO_2 Emissions during Transportation through Utilization of Consolidated Shipping Services**

The Power Distribution Systems Center located in Marugame City, Kagawa Prefecture, develops and manufactures groups of products for the safe, steady receiving and distribution of electricity generated by power plants to power/transformation stations across Japan, substations for public systems such railways, general factories, buildings and other such facilities. Transportation by truck used to be the conventional means of delivery to customers from where the Center is situated in the Shikoku region to Hokkaido. However, one of the problems with this system was the heavy burden that long travel distances imposed on drivers. To solve this issue, consolidated shipping services provided by ferries was utilized for part of the delivery route. As a result, transportation time was reduced from four days to three days, and drivers gained time to rest while they were on board the ferry. Furthermore, a 70% reduction in CO_2 emissions was achieved compared to transportation using trucks alone.



Regarding overseas affiliates, the amount of CO_2 emitted by a total of 20 companies was 320 kt, amount per unit of sales amounted to 36.2 t-CO_2/100 million yen.

→For the actual results of CO_2 emissions and amount per unit of sales from distribution, please refer to "Material Balance" on page 39.