

# Initiatives for Preventing Global Warming

## Basic Approach

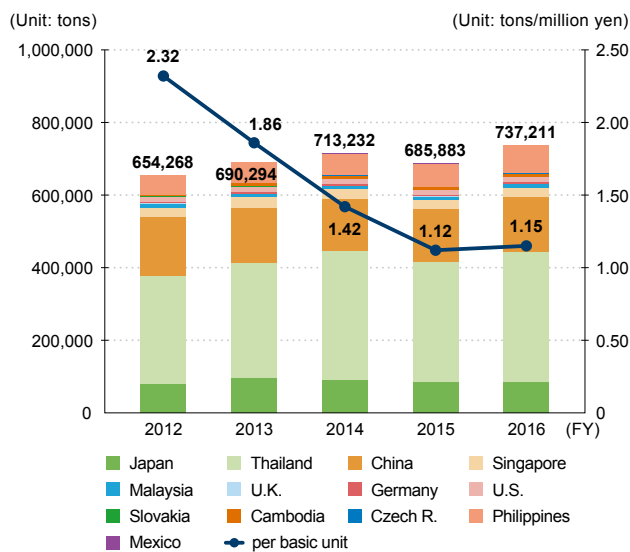
The MinebeaMitsumi Group recognizes that the international issue of global warming, along with the related issues of soaring energy prices and abnormal climatic conditions, pose a significant threat to the sustainability of its business activities.

In response, each office and plant in the MinebeaMitsumi Group is proactively promoting energy efficiency initiatives in order to combat global warming.

## Results of FY2016 Initiatives

The MinebeaMitsumi Group's emissions of CO<sub>2</sub> in FY2016 totaled 737,211 tons, 7% more than in FY2015. In terms of basic units of production, CO<sub>2</sub> emissions increased 3% over FY2015 to 1.15 tons per million yen of production. With our business integration, CO<sub>2</sub> emissions have increased, however due to the change in exchange rate, the value of our production has not increased in line with the increase in production volume.

### CO<sub>2</sub> Emissions (Total and Per Basic Unit)



## Initiatives at our Offices and Plants

### Contract with Local Waste Disposal Operator (Mitsumi Electric, Akita Business Division)

In the past, Mitsumi Electric's Akita Business Division had disposed of mixed plastic and paper waste\* with an operator in adjacent Yamagata Prefecture, since no operator in Akita Prefecture handled such waste. However, because the operator was over 200 kilometers from the Akita Business Division, the fuel consumption and CO<sub>2</sub> emissions required for waste collection was a significant issue for our company.

With assistance from Akita Prefecture, we therefore entered into negotiations with several Akita-based operators.

Following successful negotiations with one operator, we conducted a survey of the disposal site.

The survey determined that there were no particular issues with the waste processing or management, and consequently we concluded a contract for waste disposal (March 13, 2017). With the change from the Yamagata-based operator, we have been able to reduce CO<sub>2</sub> emissions by 33% and consignment expenses by approximately 40%.

\*All is recycled into refuse-derived fuel (RDF)



Survey of the waste disposal site (Akita Prefecture)

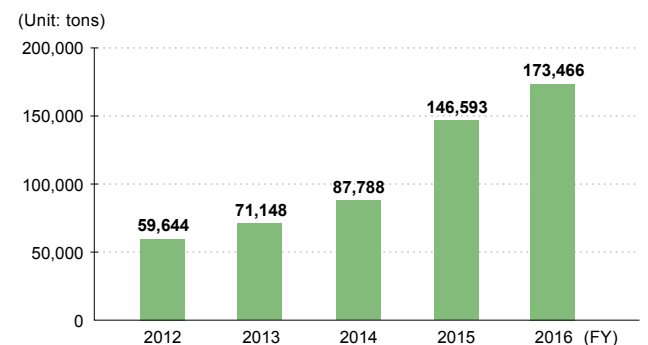
## Initiatives at Logistics Divisions

### Reducing CO<sub>2</sub> Emissions from Logistics

In addition to direct CO<sub>2</sub> emissions from business activities categorized as Scope 1 (gas and oil) and Scope 2 (electricity, steam, and heat), the MinebeaMitsumi Group also strives to grasp CO<sub>2</sub> emissions from logistics activities (product shipment) categorized under Scope 3 (other).

In FY2016, MinebeaMitsumi Group's emissions of CO<sub>2</sub> related to product shipments totaled 173,466 tons, an increase of 18% compared with FY2015.

### CO<sub>2</sub> Emissions from Logistics Activities



## Future Issues and Goals

The MinebeaMitsumi Group will continue to advance its measures to prevent global warming.

In regard to long-term goals for 2020 and 2030, we are taking into consideration the Intergovernmental Panel on Climate Change (IPCC) report, as well as measures in each country, as we make progress on our global warming countermeasures.