

Social Contribution Activities

With our employees taking the initiative, we are planning and implementing activities that contribute to society in each region and local community.

Initiatives for Biodiversity

The Sumitomo Heavy Industries Group is engaging in initiatives to protect biodiversity.

The Group has to date endorsed the biodiversity declaration of the Nippon Keidanren (Japan Business Federation) and we have joined the "Declaration Promotion Partners." In order to contribute to the protection of biodiversity, we have been engaging in afforestation and greenery planting activities.

Our Tanashi Works is preserving the Musashino Forest, which occupies approximately 30% of the area of the 40,706m² campus. This forest contains over 4,500 trees of 40 or more species, and 170 of the trees have been designated protected trees by Nishi-Tokyo City. We have named a portion of these woods the Forest of Inspiration and opened it to the public.

Past wildlife habitat surveys confirmed the presence of considerable wildlife in the forest, which is a stronghold for the local ecosystem as well as a precious natural asset for scientific research.

In addition to the kind of forest maintenance activity seen here at the Tanashi Works, we are also promoting activities for biodiversity at our factories in every other area, as well. We are actively engaging in a variety of biodiversity initiatives, such as the expansion of green areas when redevelopment work is done on the grounds, green curtain activities (such as at the Okayama Works), the development of flower-beds (Sumitomo Heavy Industries PTC Sales Co., Ltd.), green areas on rooftops (Sumitomo Heavy Industries Modern, Ltd.), and greening activity on factory grounds (Nihon Spindle Mfg. Co., Ltd.).

The Sumitomo Heavy Industries Group has also been contributing to the further protection of biodiversity by means of the LIME2 lifecycle impact assessment method based on endpoint modeling, developed by the National Institute of Advanced Industrial Science and Technology. Using this method, we have performed quantitative assessments of the impact that Group businesses have on biodiversity.

As a result, we found that reducing the amount of wood materials used would be particularly effective for our Group, and we have been pursuing reductions in the amount of product packaging material we use.

Specifically, we have been taking measures to simplify packaging and to adopt returnable shipping cartons to enable repeated reuse.

At Sumitomo Heavy Industries Ion Technology Co., Ltd., which manufactures ion implantation systems for semiconductor manufacturing, we analyzed the utilization of cardboard cartons for shipping maintenance parts. As a result we have furthered the reuse of cartons and cut down on packing materials. At Nihon Spindle Mfg. Co., Ltd., which manufactures cooling towers and dust collectors, we have reduced the use of packing materials by simplifying wooden crates, and shifting to the use of wrapping materials for packing.



Main building at the Tanashi Works



Kindergarten children enthusiastically gathering acorns in the Forest of Inspiration



Lavender at the Hokkaido Office of Sumitomo Heavy Industries PTC Sales Co., Ltd.



Planting activity at Nihon Spindle Manufacturing Co., Ltd.



Green curtain at the Okayama Works

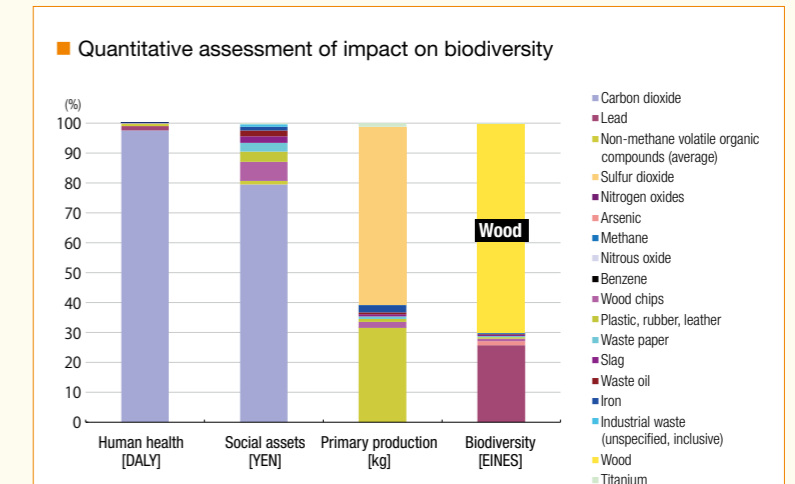


Rooftop greening at Sumitomo Heavy Industries Modern, Ltd.

Example of packaging material reduction Sumitomo Heavy Industries Gearbox Co., Ltd.



The evaluation items include afforestation, greenery planting, and green curtain implementation, water-use reduction, VOC reduction, landfill disposal reduction, and utilization of renewable energy (electric power). We are taking steps toward participation of all personnel in these and other such activities to protect biodiversity.



Social Contribution Activities

Participating Actively in Local Community Events

The Sumitomo Heavy Industries Group takes active part in events held in local communities. The Niihama Factory took part in the Saijo City Ofuki Area Friendship Sports Day as part of the Ehime Prefecture Support Group Matching Project for Healthy Village Development, with the aim of regional revitalization. Many people here in the Ofuki area are elderly, and the sports days were suffering from a shortage of participants. Since the community also requested it, we began taking part in the event from fiscal year 2011.

The fiscal year 2015 sports day was held on a fine, sunny day without a cloud in the sky. We were able to enjoy exchanges with local residents, participants from other corporations, and many volunteers, and it was a very pleasant as well as meaningful day.

Articles and photographs of the sports day were also posted on the Ehime Prefecture website.



Tug of war



Ball-toss game



Costume parade

Cleanup Activities

In the Sumitomo Heavy Industries Group, we carry on regular cleanup activities in the areas around our works. We also participate in cleanup activities organized by local government bodies and volunteer groups.

In addition to cleanup activities in the neighborhood of our works, during fiscal year 2015 the Nagoya Works also participated in the Adopt Program* organized by Obu City in Aichi Prefecture, while the Niihama Factory took part in the Adopt Program of Niihama City. All these activities involve continuing engagement in cleanup of neighboring areas.

The Nagoya Works has been participating in this Adopt Program since fiscal year 2004. In fiscal year 2014, events were held six times with 30 participants each time. Rainy weather and other reasons in fiscal year 2015 reduced this to four times, but there were still about 30 participants each time, so we are keeping the activity ongoing. We will continue similarly pursuing our activities in fiscal year 2016.

The Sumitomo Heavy Industries Group will continue with this commitment to beautification of the local environment.



Cleanup activity (Niihama Factory)



* Adopt Program: A volunteer campaign in which people designate a public facility, such as a park or a footpath, and register it with the city. They then pick up trash, water the plants, and weed the designated facility so that people will be able to enjoy using it.

Students from Yokosuka Lower Secondary Schools Tour Our Environmental Activities

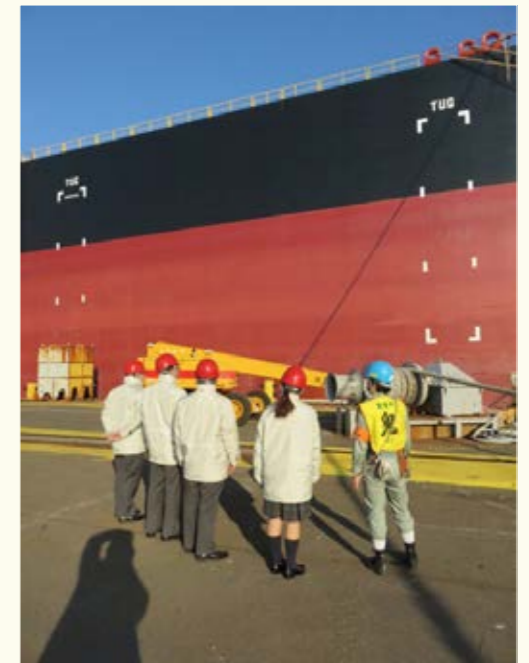
Our Yokosuka Works in Kanagawa Prefecture is taking measures to reduce CO₂ emissions and waste materials. We are also actively engaging in communication with local communities as part of our environmental activities.

In fiscal year 2015, we invited local junior high school students to the Yokosuka Works again as in fiscal year 2014, and gave them a tour. The students viewed our waste material separation for recycling, the wastewater treatment facility, the water quality monitoring system, and environmentally friendly products, and they gained a deeper understanding of the Sumitomo Heavy Industries environmental initiatives.

The tour took them first to examples of environmental consideration during manufacturing. This included the monitoring carried on using automated measurement devices at the wastewater treatment plant, and the status of waste separation at waste material stations. The tour showed the students how the finely graded separation of waste into approximately 80 categories raises the recycling rate. They also saw how the implementation of regular patrols for thoroughgoing enforcement of waste separation enabled us to sustain a 100% waste material recycling ratio since fiscal year 2011.

In connection with our environmentally friendly products, the students witnessed the testing of wastewater treatment products and used microscopes to observe the microorganisms that do the work of treating sewage. The tour covered our forging shop and robots capable of working in cooperation with people. They were also introduced to and toured an energy-saving Aframax tanker.

We received various impressions from the participants, including, "I learned how important, and how difficult, it is to be considerate of the environment at the manufacturing works, and gained a deeper understanding of products that contribute to the environment, and other such things," and "When I saw how cloudy water could be made clear in an instant during the wastewater treatment testing, I was able to understand the importance of wastewater treatment."



Tour of on-site environmental activity at our works

Environmental Education for Elementary School Students

Sumitomo Heavy Industries Environment Co., Ltd., exhibits every year at an environmental exhibition in Minamiashigara City, Kanagawa Prefecture since fiscal year 2006. We also conduct an annual environmental education event mainly for local elementary students.

The exhibits in fiscal year 2015 provided close-up views of topics relating to water. These included microscopic observation of the microorganisms that carry out wastewater treatment, observation of waterside organisms, and a comparative analysis of the calcium content of commercially available mineral water. We showed the organisms that live in clean rivers and polluted rivers, explained the differences between the two, and communicated the importance of protecting river environments.

We intend to keep up these activities in the future, and continue communicating to children the importance of environmental protection.



Observing microorganisms through a microscope