

1 Yokohama Factory contributes to biodiversity with rooftop vegetable garden

- Sumitomo Heavy Industries Modern, Ltd. -



Eggplants grown in 2016

Sumitomo Heavy Industries Modern, Ltd., has built a rooftop vegetable garden at its Yokohama Factory. This originally started in 1994, when the Yokohama No. 1 Factory was being built, and we took measures to address the factory greening ratio. After that, we began putting potted trees in offices, dining halls, and meeting rooms to contribute to increased greening. This developed into our rooftop vegetable garden.

Our initial purpose was to raise the greening ratio of the factory. The dining hall and meeting rooms were located on the fourth floor, and the view from the dining hall was of beautiful, luxuriant green, so gradually the fourth floor became a place where employees liked to come and relax on breaks. Visitors coming to our meeting rooms also began showing interest in the greenery. Every year in late July we invite employees' families to gather here for a beer party. The employees' children enjoy the event, as well, and it is contributing greatly to our feeling of closeness with employees and their families.

In fiscal year 2015, we also started the rooftop vegetable garden, and in that year we planted watermelon and bitter gourds. At the get-together with employees in fiscal year 2015, the watermelons grown here were used by the children in watermelon splitting games, with the watermelons later enjoyed by everybody there. In fiscal year 2016, eggplant and beefsteak plants were grown in the garden, and the produce was shared with employees. The lawn does not need maintaining over the winter. The grass grows very quickly during the summer, however, so we cut it every three weeks to keep it in good condition.

We intend to continue caring for our lawn and rooftop vegetable garden to keep them growing into the future.



Caring for the lawn



Watermelon splitting game



Get-together with employees

2 Budget- and environment-friendly heat and power supply facility enters operation

- Sumitomo (SHI) Cyclo Drive Germany GmbH -



New heat and power supply equipment



Group photo in front of the new facility

In October 2015, the main factory of Sumitomo (SHI) Cyclo Drive Germany (SCG) in Markt Indersdorf renovated its combined heat and power plant (CHP) with new equipment. The old equipment from before used oil as fuel, while the new equipment uses natural gas. The existing boilers were also refitted at the same time to allow the use of natural gas as fuel. In addition to reducing the total fuel cost, the new equipment is also environmentally friendly, cutting annual carbon dioxide (CO₂) emissions by as much as 220 tons.

The newly introduced power generating equipment has a capacity of 50 KW/h. This corresponds to approximately 10% of the electric power

used at the SCG main factory. It has also achieved an energy efficiency of up to 89% by recovering the heat generated while generating power and using it for heating.

Construction of the new installation took three months. The work was completed before the start of Germany's cold winter, however, and the equipment is providing electricity and heat to this factory. We intend to take good care of this budget- and environment-friendly equipment and make good use of it.

3 Biodiversity initiatives by the Sumitomo Heavy Industries PTC Sales Co., Ltd. Hokkaido Office and Sapporo Service Group

- Sumitomo Heavy Industries PTC Sales Co., Ltd. -

Sumitomo Heavy Industries PTC Sales Co., Ltd. Hokkaido Office and Sapporo Service Group are located in a residential area, and they have built flower-beds and planted flowers along their property boundary that faces the street. This section used to be overgrown with field horsetails that required laborious weeding. As an environmental initiative, however, everyone joined in rooting out the field horsetails, adding soil, spreading fertilizer, and building flower-beds. In July, lavender blooms beautifully and pleases the eyes of passersby.

The aim was initially to beautify the property, but the measure to make this a workplace with flowers heightened the employees' motivation. Now all the on-site members join together in actively caring for the flower-beds. This is a company base located in the natural setting of Japan's north, where the landscape from autumn until the following spring has nothing green growing in it. Therefore we have tried to make an environment that makes people feel better during the brief summer, and we plan to continue this initiative going forward.



Flower-bed