Helping to Build a Green Society

Carbon Neutrality and Circular Economy Measures

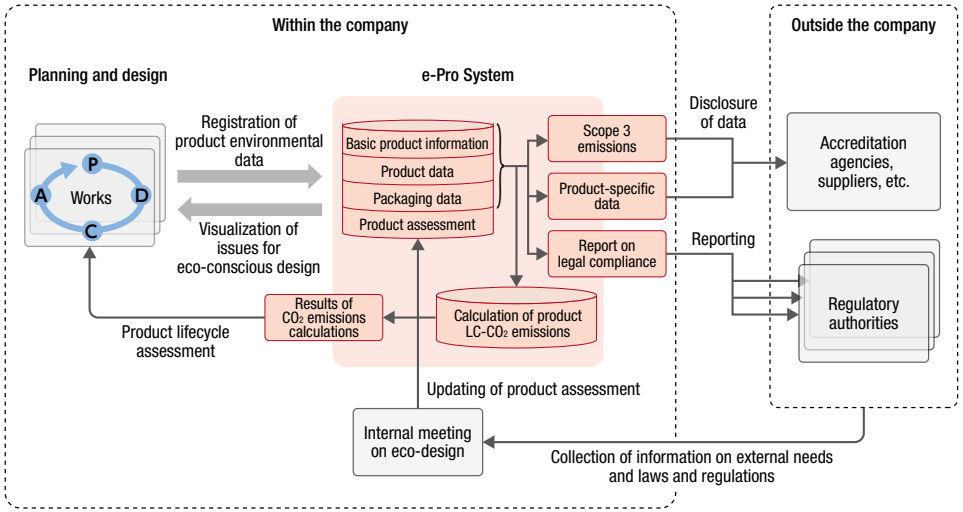
Management of Product-Related Environmental Data

There is a wide range of environmental work related to products. Such work includes the collection of environmental data (power consumption, greenhouse gas emissions, mass of products and packaging by material, etc.), the calculation and disclosure of greenhouse gas emissions and resource inputs based on that data, product assessments, and the promotion of eco-conscious design through evaluation of CO_2 emissions over the entire life cycle.

The Mitsubishi Electric Group has established the e-Pro System, which centrally manages environmental data related to products, in order to carry out the work of collecting, calculating, and disclosing data efficiently to meet requirements from outside the company for disclosure of a variety of environmental data. The e-Pro System uses data such as annual power consumption, destinations, and the mass of products and packaging materials to easily calculate LC-CO_2* emissions. We have also set targets related to carbon neutrality and the circular economy for each product group and aim to visualize issues and promote eco-conscious design by feeding back the input information to design departments.

* Life cycle CO_2: All CO_2 emissions throughout the entire life cycle of products and services

Overview of e-Pro System



Thorough Efforts to Improve Energy Efficiency in Buildings and Facilities

We have established internal guidelines in accordance with Japan's Act on the Improvement of Energy Consumption Performance of Buildings for planning the construction of new buildings and building renovations. Additionally, we have implemented our own guidelines in accordance with the Act on Rationalization of Energy Use and Shift to Non-fossil Energy for introducing new production facilities at our works. These guidelines are strictly followed.

Expanding the Introduction of Renewable Energy

We will expand the introduction of renewable energy using the following two approaches.

(1) Examine the best means for each region, including the installation of solar power generation systems, examination of other renewable energy sources, and utilization of the green electricity certificate, and identify issues.

(2) Examine how to effectively utilize any surplus electricity from solar power generation, including the use of self-consignment systems.

Effective Use of Plastic Waste

Aiming to achieve 100% effective use of waste plastics by fiscal 2036, each business site is promoting the visibility of waste sources and the quantitative management of plastic waste by setting target values. To further improve the effective usage rate, we will promote collaboration with companies that possess the necessary recycling technologies.

Nature-Positive Initiatives

The Earth's ecosystem is made up of diverse living organisms. All aspects of human civilization benefit from this ecosystem, but at the same time, people affect it in both direct and indirect ways. Today, damage to the ecosystem is said to be driving many species to extinction and otherwise eroding biodiversity. The Mitsubishi Electric Group engages in nature-positive initiatives based on its awareness of this issue. We are working toward registration of the functional greenery currently being maintained at Mitsubishi Electric's works as Natural Symbiosis Sites under the initiative by the Ministry of the Environment.

We are enhancing our interaction with and contribution to local communities by conducting the *Satoyama* Woodland Preservation Project and Mitsubishi Electric Outdoor Classroom. We also focus on environmental activities such as the cleaning of local areas, which helps raise awareness about plastic pollution in the world's seas and oceans. The outcomes of our initiatives, both in Japan and overseas, are published as needed, making the Group's contribution to environmental improvement visible.

Satoyama Woodland Preservation Project
Mitsubishi Electric Outdoor Classroom