

E: Environment

Environmental Sustainability Vision 2050

The Mitsubishi Electric Group adopted its Environmental Vision 2021, which aims to create a low-carbon, recycling-based society that functions in harmony with nature, in 2007. The Group also has promoted its 9th Environmental Plan created from a medium- and long-term perspective in light of the Paris Agreement since fiscal 2019. In this plan, future water shortage measures are considered as well. In June 2019, the Group announced its Environmental Sustainability Vision 2050 to show its new long-term environmental management vision.

Having developed its business through interaction with many stakeholders including customers, business partners and employees and being deeply rooted in society, the Mitsubishi Electric Group is expected to assume responsibility for contributing to the environment. With this recognition, the Environmental Sustainability Vision 2050 is intended to aim for the future together with stakeholders.

"Protect the air, land, and water with our hearts and technologies to sustain a better future for all" has been adopted as an environmental declaration in the Environmental Sustainability Vision 2050. The air, land, and water are vital for the survival of every creature on Earth. Bearing these three elements in mind, we will continue considering to which element we will contribute in what business area of the Mitsubishi Electric Group and put ideas into practice. In addition, we share our commitment to the environment and technologies not only with those who work for the Mitsubishi Electric Group but also with all other stakeholders and contribute to the realization of a sustainable future under three action guidelines shown in the Environmental Sustainability Vision 2050, while striving to further improve our technological prowess.

Environmental Sustainability Vision 2050

Environmental Declaration

Protect the air, land, and water with our hearts and technologies to sustain a better future for all.



To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.

Three Environmental Action Guidelines

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| 1 | 2 | 3 |
| Apply diverse technologies in wide-ranging business areas to solve environmental issues | Challenge to develop business innovations for future generations | Publicize and share new values and lifestyles |

Key Initiatives

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| <ul style="list-style-type: none"> - Climate Change Measures - Resource Circulation - Live in Harmony with Nature | <ul style="list-style-type: none"> - Long-term Activities - Innovation - Nurturing Human Resources | <ul style="list-style-type: none"> - Understanding Needs - Co-create and Disseminate New Values - Live in Harmony with the Region |
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Environmental Initiatives and the SDGs

Shaping the World of 2030

SDGs Closely Related to Mitsubishi Electric Group Environmental Activities



Example 1 Offering Technologies that Contribute to the Conservation of the Aquatic Environment



We have provided ozone generators, which use ozone instead of chlorine to purify water, for nearly 50 years. The ozone generators can be used at water purification and sewage treatment plants, pharmaceutical and chemical plants, and aquariums, contributing to the conservation of our aquatic environment.

Example 2 Increasing Product Energy Efficiency



Mitsubishi Electric Group products consume electricity when used. As increased product energy efficiency results in less CO₂ generated during use, our goal is to develop energy-efficient products.

Cultivating Innovation for the Future

Great expectations are being placed on corporate innovation to achieve the SDGs and Paris Agreement goals. Mitsubishi Electric set up the Center for Future Innovation in July 2015 to promote open innovation, with future-oriented research and development instead of focusing on prolonging the use of existing technologies. Accelerating the cultivation of innovation in this way, alongside making full use of the strengths of our products and services, will allow us to contribute to the environment across a wide range of fields.

Greenhouse Gas Reduction Targets Based on Scientific Grounds

It is recognized that the Mitsubishi Electric Group's greenhouse gas reduction targets for 2030 are based on scientific grounds to "Holding the increase in the global average temperature to well below 2°C above pre-industrial levels" as stipulated in the Paris Agreement. We have obtained certification from the SBT (Science Based Targets)¹ initiative.



We will continue to promote the reduction of greenhouse gases through a variety of business areas in the Mitsubishi Electric Group.

^{*1} International initiative by the United Nations Global Compact (UNGC), the World Wildlife Fund (WWF), the Carbon Disclosure Project (CDP), and the World Resources Institute (WRI). The SBT initiative propels companies to set reduction targets that are consistent with insights of climate science with an aim to control the rise in the global average temperature due to climate change at most under 2°C compared with the temperature before the Industrial Revolution.

Reduction Targets of the Mitsubishi Electric Group

Scope 1 and 2

Mitsubishi Electric commits to reduce total scope 1 and 2 GHG emissions by 18% by 2030, compared to the base year of 2016.

Scope 3

Mitsubishi Electric commits to reduce total scope 3 GHG emissions by 15% by 2030, compared to the base year of 2018.

Scope 1 Direct emissions resulting from fuel use within the company.

Scope 2 Indirect emissions associated with the use of externally purchased electricity and heat.

Scope 3 Indirect emissions from the entire value chain other than Scope 1 and 2 emissions.

(Category 11 (use of sold products) applies to our target.)

Response to TCFD Recommendations

The Mitsubishi Electric Group approved of the recommendations by the TCFD (Task Force on Climate-related Financial Disclosures)¹ in May 2019.

The Mitsubishi Electric Group assesses climate-related risks and opportunities using climate change scenarios for further improvement and new efforts.

The Mitsubishi Electric Group has placed contributing to saving the environment as an important issue for management and endeavors to create new value to solve diverse environmental problems including climate change.

For more information, please refer to our environmental report².

^{*1} Private-sector-led task force that encourages investors to make appropriate investment decisions (evaluate company sustainability).

The TCFD encourages companies to efficiently disclose climate-related financial information through recommendations.

^{*2} Scheduled for release in August 2020.

