

Environmental Vision 2050

Daikin formulated Environmental Vision 2050, the aim of which is to contribute to solving increasingly serious global environmental problems over the long term. With the aim of reducing to zero the CO₂ emissions caused by our business activities and our products and services, we set targets and implement measures every five years under our Fusion strategic management plans.



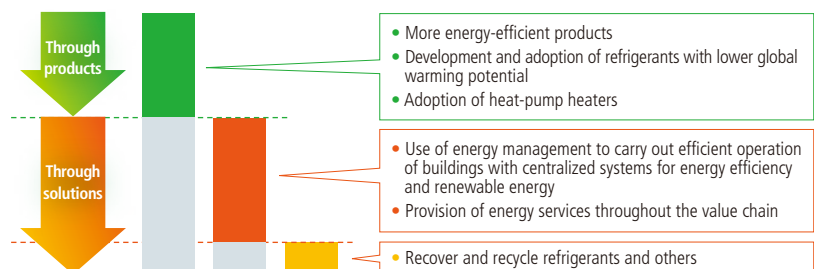
We will reduce the CO₂ emissions generated throughout the entire life cycle of our products.

Furthermore, we will create solutions that link society and customers as we work with stakeholders to reduce CO₂ emissions to zero.

Using IoT and AI, and open solutions, we will meet the world's needs for air solutions by providing safe and healthy air environments while at the same time contributing to solving global environmental problems.

Daikin's Philosophy on Zero CO₂ Emissions

We aim to reduce CO₂ emissions to zero by recovering and recycling refrigerants while at the same time creating products and solutions that minimize CO₂.

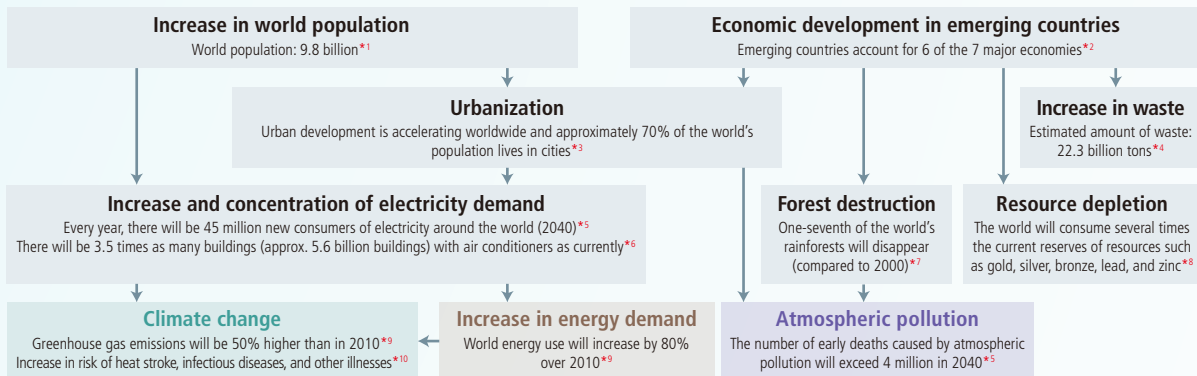


Formulating Environmental Vision 2050

We forecast what the world would be like in 2050 and came up with how Daikin should proceed toward this based on risks and opportunities.

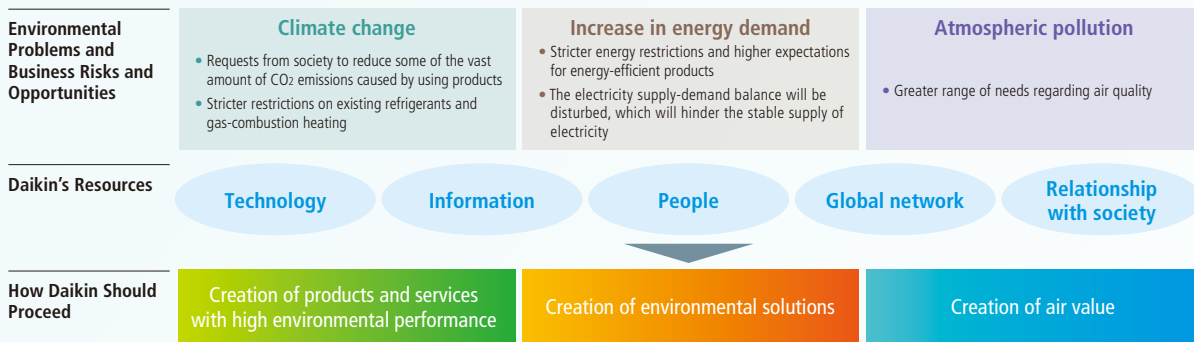
Forecast of Society in Which Daikin Will Operate in 2050

Based on the relationship between Daikin's business and the global environment, we came up with a long-term environmental to-do list that takes into account what the world will be like for Daikin's business in 2050 judging by current social scenarios.



How Daikin Should Proceed Based on Risks and Opportunities

Daikin came up with business risks and opportunities in relation to the environmental problems specified above. We determined how we should proceed in order to solve these problems based on the company's resources.



Source: *1 World Population Prospects: The 2017 Revision, by the United Nations / *2 The World in 2050, by PwC / *3 World Urbanization Prospects: The 2018 Revision, by the United Nations / *4 Estimates and Forecasts for the World's Waste Generation, by the RISWME / *5 World Energy Outlook 2017, by the International Energy Agency (IEA) / *6 The Future of Cooling, by the International Energy Agency (IEA) / *7 The Future of Forests: Emissions from Tropical Deforestation with and without a Carbon Price, 2016-2050, by the Center for Global Development (CGD) / *8 The Problem of Worldwide Resource Restrictions by 2050, by the National Institute for Materials Science (NIMS) / *9 OECD Environmental Outlook to 2050, by the Organization for Economic Cooperation and Development (OECD) / *10 Quantitative risk assessment of the effects of climate change on selected causes of death, 2030s and 2050s, by the World Health Organization (WHO)

First Step Toward 2050 (Fusion 20 Themes)

Through products

Creation of products and services with high environmental performance

- Promotion of energy efficiency through inverter and other technologies
- Adoption of R-32 and other refrigerants with lower global warming potential, development of next-generation refrigerants, adoption of heat-pump heaters
- Materials development, reduction of environmental impact throughout entire life cycle from material procurement to disposal and recycling

Through solutions

Creation of environmental solutions

- Use of energy management to achieve optimal operation through a system that integrates air conditioners and their peripheral equipment, buildings, and renewable energy
- Recovery and recycling of refrigerants in use on the market

Through the power of air

Creation of air value

- Engineering of air environments that protect people's health from air pollutants such as PM2.5 and VOCs
- Pursuit of value added in air through, for example, office environments conducive to high productivity and home environments that improve the quality of sleep