

Initiatives for Environmental Protection

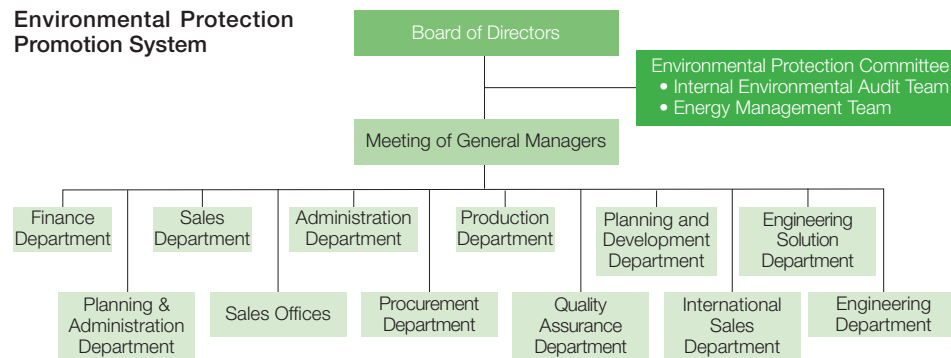
Environmental Policy (Basic Philosophy)

Topia recognizes that maintaining the global environment in a sustainable state is an important task for mankind. We will contribute to the future of mankind and the earth by reducing environmental impact through our business activities.

Guidelines for Actions

1. Compliance with environmental-related laws and regulations
2. Promotion of resource and energy conservation (promotion of a decarbonized society)
3. Contribution to the establishment of a circular society
4. Prevention of environmental pollution
5. Initiatives toward international community goals
6. Promotion of the environmental policy
7. Awareness and understanding of the environmental policy
8. Disclosure of the environmental policy

Environmental Protection Promotion System



Efforts of the Environmental Protection Committee

An important mission of the Environmental Protection Committee is the maintenance, energy management and promotion of ISO14001: Environmental Management System (EMS). We are working to protect the environment and reduce greenhouse gases by strengthening EMS operations, investigating and improving energy consumption.

Efforts to Maintain and Promote EMS

- Implementing internal and external maintenance audits and environmental patrols

In order to maintain ISO14001 international certification, internal audits, external audits, and management reviews are regularly conducted to set, evaluate, and improve environmental goals. When nonconformities occur, they are promptly corrected to ensure continuous improvement of EMS and to maintain a reliable operating system.

We also conduct monthly environmental patrols from the viewpoints of the environment, safety, and 5S practices. We then share the results of these patrols, and promptly implement corrective and improvement measures to maintain the workplace environment and raise awareness.



ISO14001
Registration
Certificate

Efforts to Strengthen Energy Management

- Having diagnosis conducted by a qualified energy manager

In addition to surveying the actual power consumption and changes at each plant, we also seek advice from an energy manager to get an idea of our energy consumption and activate energy conservation activities.

Comply with Environmental Laws and Regulations

Topia is aware of environmental laws and regulations related to its business activities, including the Waste Management Law, the Chemical Substance Release Monitoring and Management Promotion Act, the Noise and Vibration Control Law, the Fluorocarbons Control Law, and the Global Warming Countermeasures Law. We are working to maintain and strengthen its compliance system. We regularly check compliance through internal patrols, internal and external audits in order to prevent violations of laws and regulations and to promote continuous improvement.

Initiatives to Achieve a Decarbonized Society

Basic Approach

Topia considers climate change countermeasures an important responsibility and is working to reduce greenhouse gas emissions. Not only are we introducing renewable energy within the group and reviewing production processes, but we are also aiming to reduce environmental impact throughout the entire supply chain. Through collaboration with all stakeholders, we aim to create sustainable value in order to build a society that the next generation can be proud of and continue to take on the challenges of achieving a carbon-neutral society.

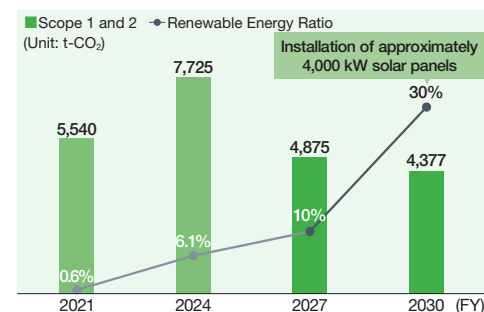
Contribute to a Decarbonized Society



Scope 1, 2 and 3 Calculation Results and Reduction Targets

Scope 1 and 2 from FY 2024 to FY 2030, we have set a target of 21% reduction compared to FY2021 (3% reduction per annum). With regard to Scope 3, while there are many issues, we will continue to improve and upgrade the system to enable continuous calculation.

Reduction Target of Greenhouse Gas (t-CO₂/year) for the Group Companies in Japan



Introduction to Renewable Energy

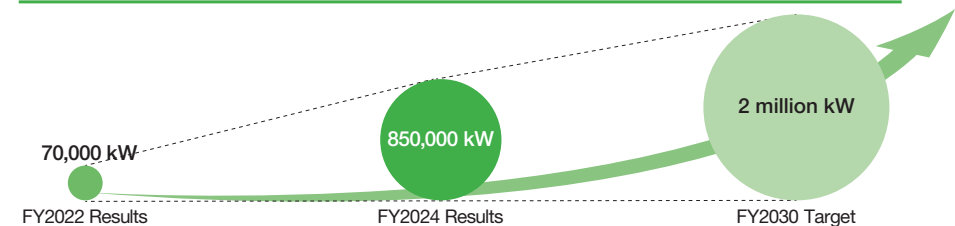
Topia is working to reduce greenhouse gas emissions by using renewable energy as part of the energy used at its plants. At the Suzuka head office plant, which is the main plant in Japan, we gradually installed more solar power generation facilities for our own consumption, and achieved a reduction of greenhouse gas emissions of approximately 320 t-CO₂ in fiscal year 2024.

We will continue to install photovoltaic power generation facilities at our business sites and increase the amount of CO₂ reduction through renewable energy to approximately 7,560 t-CO₂ by fiscal 2030, thereby promoting business activities that take the global environment into consideration.



Last year, we started installation of solar panels at the No.10 and No.13 plants

Targets and Achievements for the Spread of Renewable Energy



Energy Conservation Activities at our Plants

We have established an energy conservation promotion organization to promote energy conservation activities under the suggestions and guidance of energy managers.

Specifically, we are working to optimize energy consumption by improving the efficiency of air conditioning and equipment, adjusting the setting for the pressure and operating time of compressors. We are simultaneously working to reduce rotation time, investigate, repair air leaks in plants, and improve air piping systems.



Air leak examination

Efforts to Achieve a Decarbonized Society

Co-creating a Sustainable Society Through Technological Innovation

As global warming increases the risk of disasters caused by climate change, achieving a decarbonized society has become an important mission for companies. Topia is working to reduce CO₂ emissions and improve energy efficiency by introducing renewable energy and reviewing production processes. As a “company that coexists with society,” we aim to achieve a balance between reducing environmental impact and enriching lifestyles. We will continue making further progress toward a sustainable future.

Efforts to Optimize Production Processes

Topia has developed a new method for improving the strength and weight of parts such as large vehicle bodies by freely using its original simulation technology. By differentiating ourselves from other companies in terms of equipment, construction methods, and analysis technology, we are simultaneously reducing man-hours and improving the safety of product accuracy. As a result, advanced cutting technology, adjustment power and evaluation technology have been developed, enabling the establishment of new technologies, cost reduction and improvement of safety. In addition to pursuing improvements in quality, we are also working to improve production efficiency in a sustainable manner, responding to the demands of decarbonization, renewable energy, and other efforts to reduce environmental impact.

Establishing an In-House Power Generation System

To achieve a decarbonized society, we are working to strengthen our in-house power generation system, focusing on the use of renewable energy and the promotion of energy conservation. We have already installed photovoltaic power generation facilities and are promoting the stable supply of electricity and the efficient use of it. We are building a system that both reduces environmental impact and complies with our BCP (Business Continuity Plan). Through these efforts, we will fulfill our responsibility for a sustainable future and aim to be a company trusted by society.

Efforts to Achieve a Circular Economy

Promotion of Recycling at our Plants

Topia’s environmental guidelines include the concept of “building a recycling-oriented society,” and promoting efficient use and recycling of resources to reduce environmental impact. In order to effectively restrict the use of resources, we will promote measures to reduce waste generated in the manufacturing process through the introduction of production equipment. This equipment reduces the input of raw materials facilitates the recycling of materials.

• Recycling the Materials Used in Prototyping Molds

There are two types of press molds: mass-production molds and trial molds for prototype parts. While mass production molds use hard material such as iron casting materials, trial molds use a soft material called zinc alloy (ZAS), and are cast in our melting furnace. ZAS casting has been carried out in-house since its establishment and is also reused.

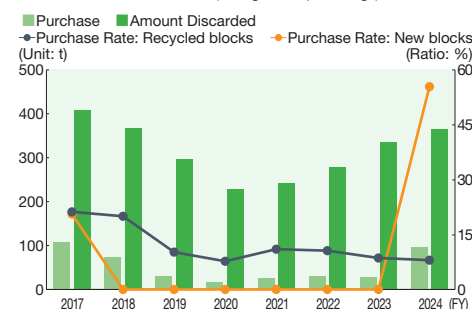
In addition, the sand required in the casting process has been treated in the past as industrial waste because it becomes solid due to the effects of hardening agents. In fiscal 2012, however, we introduced a sand agitator for casting to reuse sand, thereby contributing to waste reduction.



Mixer for recycling casting sand

Circulation of ZAS and Casting Sand

Circulation of ZAS (average value/percentage)



Circulation of Casting Sand (average value/percentage)

