

Initiatives with the Environment

Based on our Environmental Policy, we have aggressively promoted activities for the realization of a society in symbiosis with nature, a low-carbon society and an asset recycling society. Additionally, major objectives (materiality) have been established by adding a new perspective. At the same time, we have defined long-term targets for CO₂ reductions in the activities of the entire group, and we will promote initiatives to resolve these objectives and achieve our targets.

Major objectives (materiality) regarding the environment

We established six items related to the environment as major objectives in the action plan from 2020. In addition to the theme of building a low-carbon and asset recycling society in symbiosis with nature under the action guidelines in our Environmental Policy, we have included appropriate responses to climate change, sustainable supply chains and others as perspectives on action as well.

- Developing architecture and services that give consideration to the environment and society
 - ◆ Promoting wooden structures and buildings
 - ◆ Promoting zero-energy buildings
- Reducing CO₂ emissions in our business activities
- Responding to future climate change
 - Consideration for biodiversity
 - Resource recycling and waste reduction
 - Realizing sustainable supply chains
 - ◆ Promoting green procurement

● Developing architecture and services that give consideration to the environment and society

We aim to promote wooden structures and buildings that contribute to many aspects of the environment and society, and zero-energy buildings, energy management systems, etc. toward a low-carbon society.



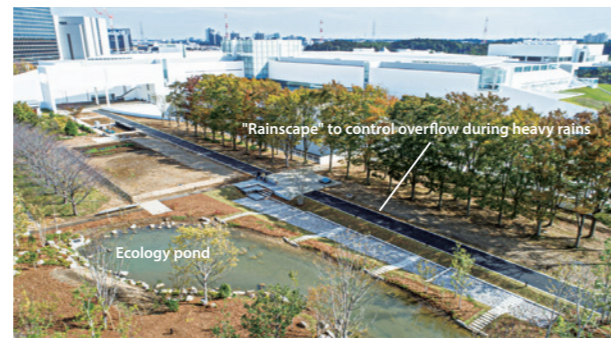
Promoting wooden structures and buildings



Promoting zero-energy buildings

● Consideration for biodiversity

We plan to create more projects that contribute to improvements in biodiversity, such as water recycling improvements that make use of the functions of nature and the development of technologies related to green infrastructure to prevent and reduce disasters.



SHI-RA-BE Forest, a technical demonstration field at the Takenaka Research and Development Institute

● Recycling resources and reducing waste

In addition to continuing to promote the 3Rs (reduce, reuse and recycle) at work sites, we will promote initiatives to reduce construction waste from various perspectives, by utilization of building information modeling (BIM), reducing scrap material resulting from construction material processing at plants and reducing waste from dismantling at the design stage.



Factory production of pipes based on BIM 3-D data

Environmental Policy
Contribute to the sustainable development of society by striving for the creation of architectural space that is in harmony with the environment.

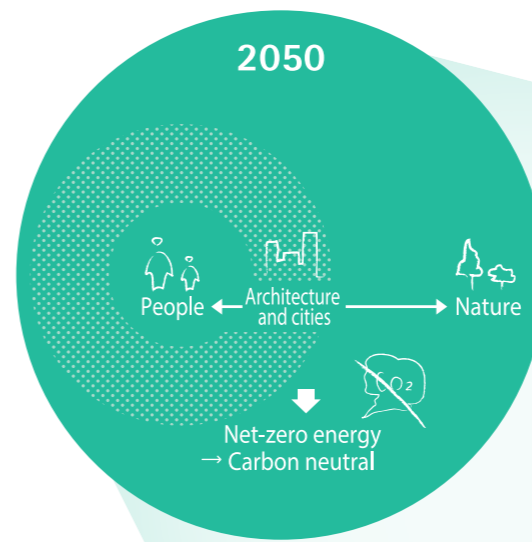
- Action Guidelines**
1. Aggressively promote activities for the realization of a society in symbiosis with nature, a low-carbon society and an asset recycling society.
 2. Adhere to laws, regulations and internal rules related to environmental preservation, and promote measures against environmental risks.
 3. Implement reliable environmental management based on our quality assurance system.
 4. Strive to improve environmental awareness by implementing education.
 5. Implement detailed environmental communications.
 6. Actively participate in public environmental activities.

Long-term targets for CO₂ emissions reductions

In 2010, we established an environmental message, "Connecting people with nature," and our Environmental Concept for 2050. At the same time, we plan to promote dissemination of net-zero energy buildings based on our long-term targets. In response to the acceleration of global movements to achieve the goals of the Paris Agreement, we have expanded the scope of our long-term targets to set groupwide CO₂ emissions reduction targets that cover energy-saving activities at our offices and work sites, application of technologies, green procurement, etc. With the entire Takenaka group banding together as one, we intend to continue groupwide efforts to reduce CO₂ emissions in all of our business activities.

<Environmental Message>
Connecting People with Nature

<Environmental Concept>
Realizing a carbon-neutral society from zero-energy buildings



Reducing of CO₂ emissions for Scopes 1-3
-35% by 2030
-80% by 2050

* Scopes 1-3
Scope 1: Direct emissions, such as fuel incineration
Scope 2: Indirect emissions caused by consumption of electric power, heat, etc.
Scope 3: Other indirect emissions excluding Scope 1 and Scope 2, including management of buildings we designed
* The target for offices represents the target for Takenaka Corporation and its entire group. Other is the target for Takenaka Corporation alone.
* Benchmark year: 2018

