Resource Circulation

NSK's Approach

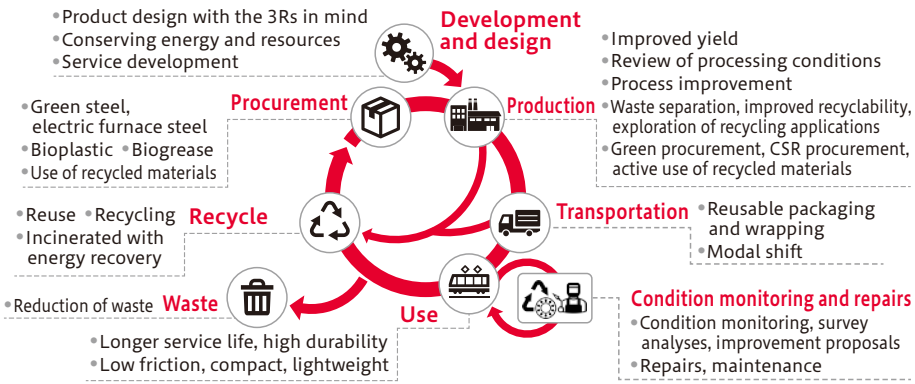
Please see our website for more information. ▸

The NSK Group is promoting efforts at each stage of the value chain to enhance the 3Rs (reduce, reuse, recycle) through the development of environmentally friendly products and efficient, waste-free production, all in pursuit of realizing a circular economy.

In its development and design divisions, NSK focuses on reducing product weight and extending service life while developing products that are manufactured with minimal raw materials and are easy to recycle after use. Procurement divisions work in collaboration with suppliers to procure environmentally friendly parts and raw materials, including steel materials made from recycled scrap metal. In manufacturing divisions, efforts are made to reduce resource waste by improving material yield through process improvements and refinements to tools and molds. In addition, NSK collaborates both internally and externally with suppliers to recycle metal and grinding waste generated during production back into steel, while also promoting water recycling and waste liquid treatment to reduce waste emissions and improve recycling rates. Our logistics divisions contribute by reducing waste emissions through the repeated use of packaging and wrapping materials.

Able to detect signs of damage and deterioration during product use by utilizing condition monitoring solutions at an early stage, we contribute to reducing CO_2 emissions by actively promoting the 3Rs through reconditioning. This helps to optimize our customers' value chains, from the usage stage to equipment maintenance and repair, and even to product disposal, while contributing to the realization of a recycling-oriented society.

Moreover, NSK ensures the proper disposal of waste by conducting voluntary inspections at its business sites, carrying out on-site verifications of companies entrusted with waste disposal, and enhancing management practices using information systems to prevent any compliance violations.



Biodiversity Conservation

NSK's Approach

Please see our website for more information. ▸

To contribute to a Nature Positive*1 future, the NSK Group has established the NSK Biodiversity Guidelines*2, outlining its basic policies and action guidelines for biodiversity conservation. NSK monitors the impact of its business activities on biodiversity, working to minimize negative effects and promote positive impacts.

Bearings, the NSK Group's main product, are primarily made from special steel produced by recycling steel scrap. After use by customers, these products are again recycled as steel scrap, becoming raw material for steel production. For this reason, NSK believes that its dependence on and impact on biodiversity during each stage, from the procurement of parts and raw materials to production, customer use, and disposal, is relatively small. However, the NSK Group recognizes there is a broad connection between its activities and biodiversity. To minimize impacts and expand contributions, NSK is actively working toward no net loss in biodiversity*3, including efforts to prevent deforestation*4 in procurement and production activities.

*1 Nature Positive refers to putting nature on a path to recovery, halting and reversing biodiversity loss.
*2 These guidelines were established on October 5, 2010, with the approval of the President and CEO after discussions by relevant officers in the Global Environment Protection Committee in August 2010.
*3 No net loss refers to compensatory measures that offset the loss of biodiversity caused by human activities, ensuring no net loss in biodiversity.
*4 Deforestation refers to the conversion of natural forests to non-forest land or plantations, or continuous degradation that leads to the loss of natural forests.

Joined Biodiversity Promotion Networks

In February 2025, NSK joined the 30by30 Alliance for Biodiversity*1, an initiative led by Japan's Ministry of the Environment, and the TNFD Forum*2, which supports the activities of the international Taskforce on Nature-related Financial Disclosures (TNFD)*3 framework.

Through its participation in these initiatives, NSK is committed to advancing a nature-positive future by evaluating the environmental impact of its business activities, identifying risks related to nature loss, and ensuring the transparent and responsible disclosure of this information. NSK will also collaborate with stakeholders across the entire value chain to advance the conservation of natural capital and biodiversity. The goal is to help build a sustainable world while further enhancing NSK's corporate value.

*1 A framework for public-private partnerships promoted by Japan's Ministry of the Environment to achieve the international goal of preserving at least 30% of terrestrial and marine areas as healthy ecosystems by 2030.
*2 A group of institutions that support the TNFD by sharing the latest information and establishing a framework for financial disclosure.
*3 Taskforce on Nature-related Financial Disclosures. An international organization that establishes a framework for the appropriate assessment and disclosure of risks and opportunities related to natural capital and biodiversity.