Preserving biodiversity

Biodiversity risk assessment and response

The NTN Group regards biodiversity conservation as an important environmental issue and is working to understand and reduce the impact of business activities on ecosystems. As our basic approach, we have adopted the AR3T framework of Avoid, Reduce, Restore, and Transform, as set out in SBTs for Nature.

For biodiversity risk assessment, we utilized the WWF Biodiversity Risk Filter to conduct assessments of domestic and overseas production sites. Based on the assessment results, we identified sites where business activities may have a relatively significant impact, prioritized our responses, and are considering specific measures. We are also progressively implementing conservation activities that reflect the local characteristics of each site.

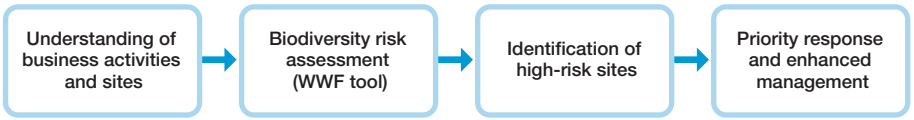
Key assessment results and response approach

- Identification of sites with high risk of impact on ecosystems
- Strengthening management of impacts associated with business activities such as wastewater and land use
- Consideration of conservation activities reflecting regional characteristics



Mangrove planting activities to conserve coastal ecosystems (NMT, Thailand)

Going forward, with reference to the TNFD recommendations, we will progressively incorporate nature-related risks and opportunities into management decisions, aiming to achieve both biodiversity conservation and business continuity.



Biodiversity risk assessment and response process

Reducing environmental impact across the entire product life cycle

Use of Life Cycle Assessment (LCA)

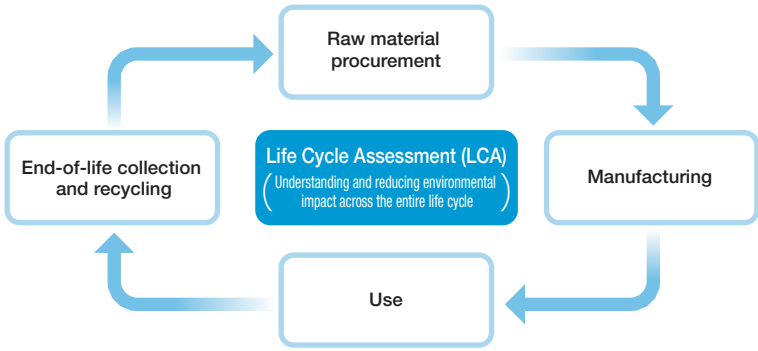
The NTN Group recognizes that environmental impact occurs not only during the manufacturing stage of products, but across the entire life cycle from raw material procurement through to use, disposal, and recycling. For this reason, we position LCA (life cycle assessment) as one of the foundations of product development and business decision-making, and are advancing its utilization.

By applying LCA, we identify processes with significant environmental impact and areas for improvement, leading to reviews of product designs and manufacturing processes. In particular, the compact, lightweight, and low-friction designs of bearings and driveshafts contribute to reducing energy consumption during the customer-use phase.

Key initiatives

- Consideration of environmental impact reduction at the product design stage
- Extending product life through the bearing refurbishment business
- Quantifying contributions to CO_2 emissions reduction using the LCA approach

Through these initiatives, we aim to achieve both environmental impact reduction and enhancement of business value.



Approach to reducing environmental impact across the product life cycle

Related information on the website

For details on our initiatives, please refer to our sustainability website.
We provide information including specific case studies and data.

Resource Recycling and Pollution Prevention

Preserving Biodiversity