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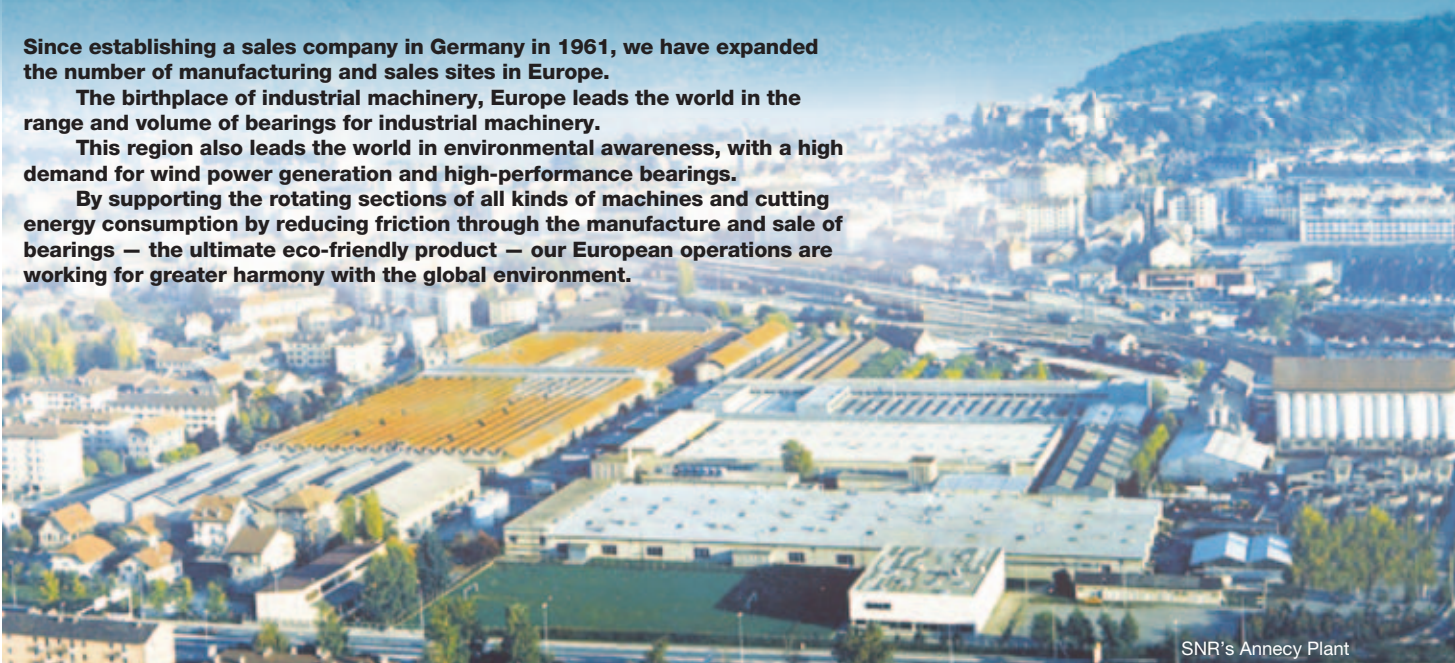
Contributing to environmental preservation in Europe through the development, manufacture, and sale of the ultimate eco-friendly product: the bearing

Since establishing a sales company in Germany in 1961, we have expanded the number of manufacturing and sales sites in Europe.

The birthplace of industrial machinery, Europe leads the world in the range and volume of bearings for industrial machinery.

This region also leads the world in environmental awareness, with a high demand for wind power generation and high-performance bearings.

By supporting the rotating sections of all kinds of machines and cutting energy consumption by reducing friction through the manufacture and sale of bearings — the ultimate eco-friendly product — our European operations are working for greater harmony with the global environment.



SNR's Anney Plant



©SNR

The TGV and its journal bearing

Converting boilers to run on natural gas to reduce CO₂ emissions (SNR)

In April 2008, France's No.1 bearing manufacturer, S.N.R. ROULEMENTS (SNR) became a consolidated NTN Group company. SNR established a basic environmental policy in 2001 and its employees are working unitedly to carry out environmental preservation activities. One activity is **reducing CO₂ emissions**, an effort that all of our other operating sites are also engaged in. In 2006, for example, SNR started converting the heating and boiler systems at their Head Office and plant in Anney to natural gas from fuel oil. This reduced the total CO₂ emissions from their French plants from 16,500 tons in 2005 to 13,500 tons in 2008.

SNR acquired ISO 14001 certification for their six operating sites in France in 1999, their Brazilian plant in 2004, and their Romanian plant in 2006. At the end of 2008, they renewed their certification under the multi-site format.

As an R&D partner of TGV (French high-speed train), SNR contributes to the rail industry, which is a part of a modal shift to transportation that consumes less energy and emits less CO₂.



A boiler at SNR that was converted to run on natural gas

Joint environmental audit with other companies (NTE)

At NTE, we carry out "cross audits" with neighboring companies as part of our ISO 14001 internal audits. We currently carry these audits out with a hazardous materials management company and a machine manufacturer. Exchanging information ISO 14001 issues and environmental efforts and sharing good ideas related to improvement are the aims of these cross audits. The results of the audits are reported to NTE's directors and the suggestions for improvement and advice are recorded in NTE's management system as audit results.

Additionally, we distributed brochure on sorting waste at NTE to raise the environmental awareness of employees.

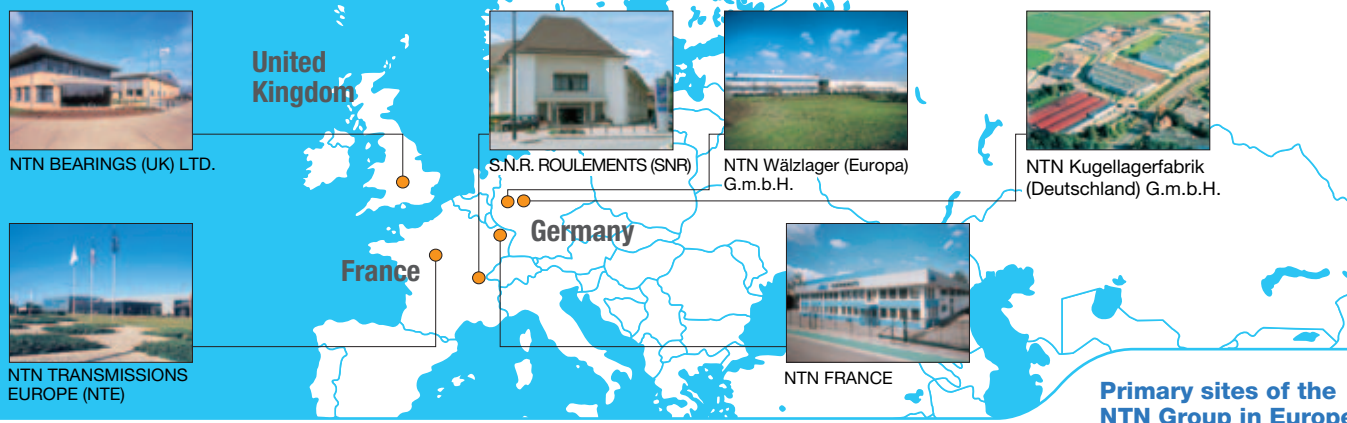


Waste sorting brochure

Establishing reduction targets for natural gas and electricity and promoting the reduction of CO₂ (NTE)

At NTN TRANSMISSIONS EUROPE (NTE), which manufactures constant-velocity joints, we set reduction targets for natural gas and electricity in order to **reduce CO₂ emissions**.

In 2000, we used about 820 km³ (1,755 tons of CO₂) of natural gas to heat NTE's plant and offices, but by installing mist collectors on the heat treatment and grinding equipment to improve air quality inside the plant and improve heating efficiency, we reduced the natural gas figure to about 290 km³



Primary sites of the NTN Group in Europe

in 2008 (621 tons of CO₂).

Power consumption was on the increase due to increased production several years ago. Inverter-based compressors and a power monitoring system were introduced in order to improve our power management according to production volume. The result was power consumption of approximately 37,000 MWh in 2008, a reduction of 4,000 MWh from the previous year (218 tons of CO₂).

In 2008, we started milk run collections (multiple collections per trip) of parts to suppliers, resulting in a decrease of approximately 4,300 km of truck driving per week. We will continue to optimize transportation efficiency to reduce CO₂ emissions.

Responding to the REACH regulation (NTN Wälzlager (Europa) G.m.b.H., NTN FRANCE, and NTN BEARINGS (UK) LTD.)

REACH, the EU's new regulations on chemical substances (see p. 36) has come into effect, and three of our sales companies — NTN Wälzlager (Europa) G.m.b.H., NTN FRANCE, and NTN BEARINGS (UK) LTD. — worked with the Environmental Management Dept. at our Head Office and various engineering departments to pre-register the substances handled by our company. They also ensured that raw material manufacturers have also carried out pre-registration. Pre-registration allows the actual registration to be postponed so the regular import and sale of products can continue.

The three companies have worked with the Environmental Management Dept. at our Head Office, various engineering departments, and the plants on investigating and responding rapidly to customer inquiries about substances of very high concern (SVHCs) published by the European Chemicals Agency in October 2008.

NTN FRANCE in a meeting discussing the REACH regulation



Unique efforts at each company include “supporting intractable disease children with used consumables” and “reducing CO₂ emissions by promoting bicycle use”

At NTN Kugellagerfabrik (Deutschland) G.m.b.H., we use spent toner cartridges to support intractable disease children.

We used to send toner cartridges back to the manufacturer, but in 2007 we started sending them to a charity managed by a major hamburger chain. This charity sends the spent toner cartridges back to the manufacturers, and the manufacturer provides the refund for the cartridges to the charity. The funds raised are used to build facilities for family members to stay when they have to travel long distances to the hospital with their sick children. We will continue to support this charity.

At NTN BEARINGS (UK) LTD., we are encouraging employees to make use of a system to bicycle to commute.

This system is promoted by the government to **reduce CO₂ emissions** and promote employee fitness. When employees use their bicycles to commute to work, their social insurance premiums and taxes are reduced and the social insurance premiums paid by the company are also reduced. We also use posters and the company intranet to promote bicycling. Some employees actively use this system.



Providing used pallets used to transport products to a local summer camp for children

Helga Petrasincu
Manager, Human Resources Department
Environmental representative
NTN Kugellagerfabrik (Deutschland) G.m.b.H.,

At NTN Kugellagerfabrik, we have been donating the pallets used to carry products from Japan to a summer camp for children organized by the town of Mettmann, which allows these pallets to be used effectively. (Japanese pallets are of a different standard, and thus cannot be reused in Europe.)

The camp gives children on summer vacation fun and experience, and they use these pallets to create buildings and streets on empty lots in the town. Currently, we provide a quarter of our used pallets to this summer camp.

Children playing on
wooden pallets

