NTN Corporation is a world leader as designer, developer and manufacturer of bearings, linear modules, distribution pulleys, strut parts, CVJs and a supplier of services. NTN Corporation is present in all industrial, automotive and aerospace markets. NTN-SNR Roulements manages and develops all the group’s activities for Europe, South America, Africa and the Middle East. Among the European leaders, the company offers its partners a unique combination of Japanese and European cultures, with the capabilities of a world player. Its two emblematic brands, SNR and NTN, are seen as references.
With you, the spirit of collaboration and responsibility

The human and technological heritage of NTN-SNR contributes to its company culture characterised by proximity and commitment. The European teams develop specific solutions to anticipate and succeed in their customer’s future projects in strategic markets. They support them in their challenges in a spirit of dialogue and mutual improvement.

This sense of partnership also determines the company’s social and environmental approach. The transparency of relations with customers, suppliers and partners is founded on an ethical code based on respect and responsibility. All production sites are of course ISO 14001 certified. What is more, research is creating eco-bearings that reduce CO₂ emissions, energy consumption and manufacturing raw materials. Engineers are also taking up the technological challenges of wind and solar renewable energy. NTN-SNR is driven by human and responsible values.

Expert and committed, global solutions

Bearing designer, developer and manufacturer, NTN-SNR claims unique experience in Product Life Cycle Management. Its evolving range includes maintenance, training and all the services that optimise product performance in its application. It thus engages in global solutions in partnership with the OEM (Original Equipment Manufacturers) and spare parts (aftermarket) markets.
Highly demanding fields and applications

Automotive

The main vehicle and equipment manufacturers witness to their confidence: 9 out 10 of the most sold vehicles in Europe are NTN or SNR equipped! Present for OEM, NTN-SNR proposes unique know-how on brake disc equipped with bearings. The Spare Parts activity benefits from guaranteed original quality. The leader in the wheel, suspension strut bearing and clutch release bearing markets, NTN-SNR is also very present in transmission joints and gearboxes. Created by teams in Europe, the wheel bearing equipped with a seal having an ASB magnetic coder has become a world standard. The exclusive electric wheel-motor technology has, for its part, obtained the 2012 Automechanika prize and European Mechatronic Award. NTN-SNR is asserting itself as a system supplier for the automotive world.

- Bearings and wheel kits
- Suspension thrust bearings and kits
- Clutch release bearings
- Rollers and kits for distribution and accessories
- Air conditioning bearings
- Brake disk hubs
- Damper pulleys
- HGV bearing
- Gearbox bearing
- CVJ
- Bearings and alternators pulleys
Positioned in very high quality products and specialist solutions, NTN-SNR gives a preponderant place to innovation. This is why the industry grants the company developer partner status for their most demanding applications. Reflecting the logic of excellence, the ULTAGE bearing is the unique standard label that doubles performance. For each sector there is also a corresponding major advance. For rail, the world rail speed record is paired with recognised knowledge of Product Life Cycle Management. For mines and quarries it is the high resistance to extreme conditions that makes NTN the world No. 1. In wind energy expertise in large dimensions and high reliability makes the difference. The steel, robotic, agricultural machinery and construction industries also require advanced performance. Numerous services like assistance with the first assembly, approved training, monitoring and a complete range of lubricants optimise the use of products from the brand.
Aerospace

The air and space businesses collaborate actively with NTN-SNR. The company’s bearings equip major programs, among which are the European Ariane V launcher and the CFM 56 jet engine, the most widely used propulsion unit in the world. Present on all new single aisle aircraft (Airbus A320neo, Boeing B737MAX, Embraer E Jet, Bombardier C-Series, Mitsubishi MRJ, Irkut MC21, …), NTN-SNR has actively contributed to the development of tomorrow’s engines, such as the Leap X from CFM. The company is also a leader in helicopter transmission and rotor bearings. In a field where development, research and safety take on a superlative dimension, the continuous improvement of NTN-SNR signs the quality of the engineering and partnership.
Innovating for the world of movement

For a company guided by improvement and partnership it is essential always to contribute more efficiency and competitiveness to the players in movement. The Annecy research centre works closely with the group’s R&D. 400 people and 4% of turnover are devoted to the creation of the intelligent bearings of the future and to mechatronics.

Innovation is based on a collaborative approach. The players in innovation are a force for ideas in customer developments. By sharing final users problems every day they detect, understand and anticipate tomorrow’s trends.

Reduction in environmental impacts: low torque components, new materials, electric vehicles…

Increased reliability: innovative lubrication and sealing solutions…

Performance and life optimisation.

Intelligent products, mechatronics: speed, angle and temperature sensors, on-board diagnostics…
Research and Development
vectors for change

Peugeot 208 FE: objective 2l/100km

NTN-SNR are relaying the manufacturer’s objective: creating a «2l/100km» 208 with the same performance as a production 208. Wheel bearing adapted to aluminium pivots, low torque bearings for the transmission, engine, main shaft and hybridisation contribute over 7kg weight gain and reduce emission of CO₂/km by up to 2.8g.

Kuka: a faster, more accurate robot

NTN-SNR is the main supplier – and partner in innovation—for the high performance Kuka robot range. The bearings developed allow the transportable load objectives (6 to 10kg) to be achieved with increased speed and precision.

SNECMA: in flight on the Leap X engine

NTN-SNR produces the shaft line bearings for the LEAP engines, which will equip the Airbus A320neo, Boeing B737 MAX and Comac C919. The strategic development programme has permitted the creation of bearings up to 420 mm in external diameter, with complex shapes and materials.
Driving and protecting quality

NTN-SNR is committed to quality on all its products. These meet strict technical requirements, from design to marketing. All group sites have a certified quality policy that guarantees:

- quality in development: robust design principle,
- quality in production: control of processes and reinforcement of the production system,
- quality in sales and service: the total satisfaction principle.

The fight against counterfeiting is a major part of the quality commitment. To respond to the risks run by passengers in an aircraft, car or train, but also to the issues of installation lifetime and financial risk, all bearing manufacturers are mobilising. Awareness campaigns are being undertaken on a worldwide scale, with press participation organised during some seizures. Joint actions with customs, the police and the courts permit the arrest of forgers. To discourage counterfeiters, NTN-SNR continuously imposes it know how on its products and has developed a label with a hologram that is easily identifiable by customers. The safety of customers and users remains a priority.
Capacity and proximity of a world partner

Investing in the future

With more than 200 millions euros invested since 2010, NTN-SNR will continue its development in the coming years.


New investments are made every day.

• The automotive activity increases its production capacity for suspension thrust bearings and 3rd generation wheel bearings.
• The industrial activity acquires last generation production capacities for spherical roller bearings and high precision bearings.
• Furthermore, the aerospace activity is ready to develop a new workshop for engine and gearbox bearings.

* «Industry of the future showcase»
NTN world wide plants,
Research and development
**NTN CORPORATION**

€ 5,72 BILLIONS* OF WHICH

- Aftermarket 15,68%
- Industrial Machinery 16%
- Automotive 68,32%

305 MILLIONS* OF WHICH

5,3% of sales turnover

25 493 EMPLOYEES

4,1 TIMES A YEAR STOCK ROTATION

**MARGE INCOME**

*Conversion rate: Yen = 125 yen

**NTN SNR EUROPE**

€ 1,537 BILLIONS* OF WHICH

- Automotive & Industry Aftermarket 20,82%
- Industrial machinery 14,90%
- Automotive including CVJ 64,28%

23,6 MILLIONS* OF WHICH

1,5% of sales turnover

4,15 TIMES A YEAR STOCK ROTATION

**NUMBER OF LOCATIONS**

15 PRODUCTION SITES IN EUROPE

**NTN-SNR GROUP**


3,3% OF SALES TURNOVER FOR RESEARCH & DEVELOPMENT

5 254 EMPLOYEES

**SALES**

SALES TURNOVER IN €

of which:  
- Automotive OEM
- Automotive Aftermarket
- Aeronautics
- Industry OEM
- Industry distribution

**FINANCIAL RESULTS**

IN € MILLION (International standards)

- Operating Income
  - (sales turnover %)
  - Investments
  - (sales turnover %)
  - Net debt

**STOCKS**

Stock rotation

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<td>(sales turnover %)</td>
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<td>Investments</td>
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<tr>
<td>(sales turnover %)</td>
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<td>Net debt</td>
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| Stock rotation | 4,3 | 4,3 | 4,3 |