

**AUTOMOTIVE
AFTERMARKET**
CORPORATE



With You

Headquarters
Osaka, JAPAN

71 WORLDWIDE
PRODUCTION
SITES

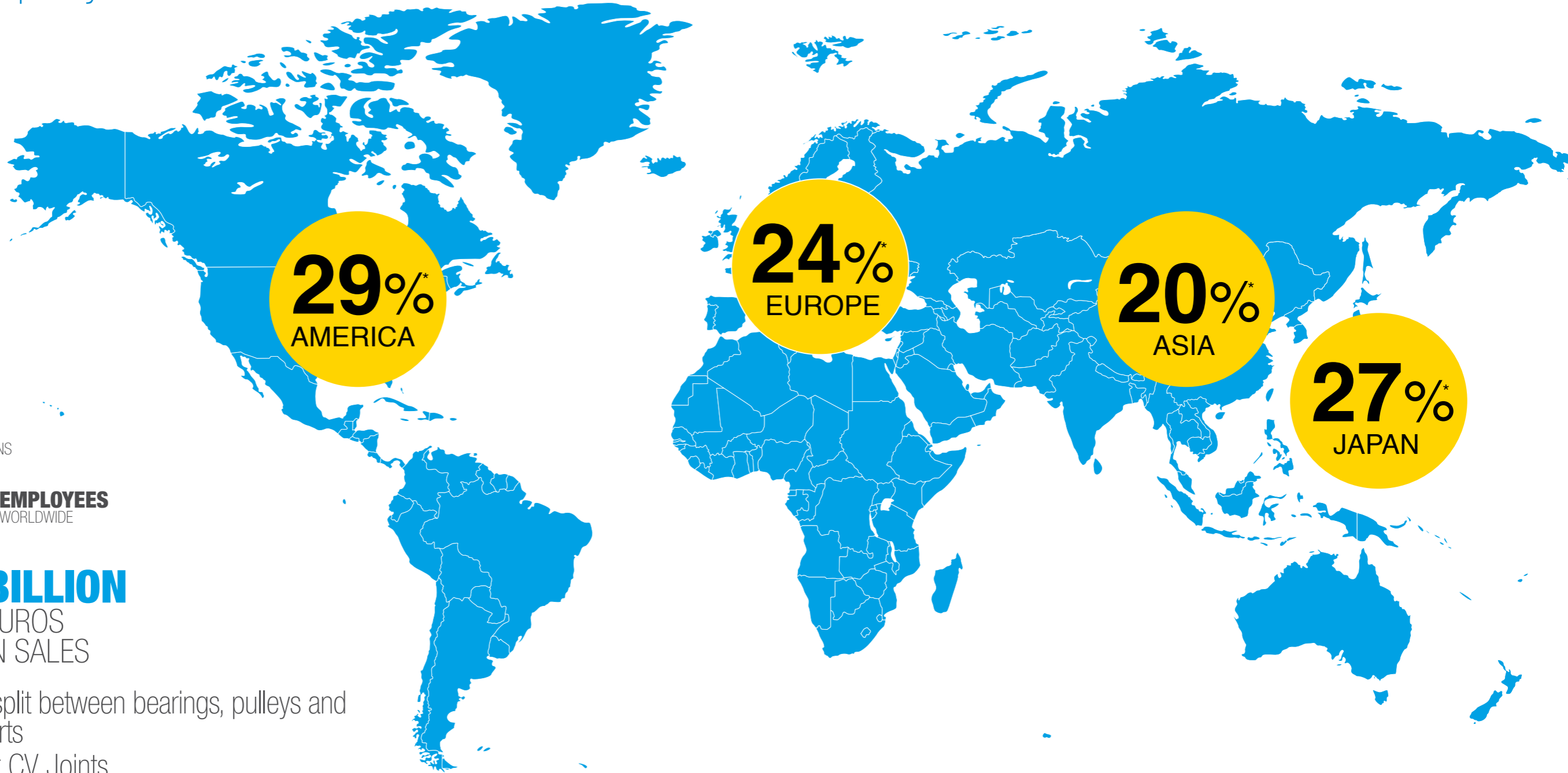
108 WORLDWIDE
SALES
REPRESENTATIONS

23360 EMPLOYEES
WORLDWIDE

5.4 BILLION
EUROS
IN SALES

75% of turnover is split between bearings, pulleys and suspension parts

25% of turnover for CV Joints



* Turnover



AUTOMOTIVE



AEROSPACE



MINES AND QUARRIES



INDUSTRY



WIND



RAIL

Headquarters
Anncy, FRANCE

22 Sales
OFFICES

Anncy – Argonay – Cran-Gevrier – Lyon – Paris – Le Mans – Lichtfield
– Erkrath – Stuttgart – Bielefeld – Gardelegen – Milan – Bologna –
Madrid – Warsaw – Sibiu – Moscow – Istanbul – Casablanca – Curitiba
– Sao Paulo – Buenos Aires

13 PRODUCTION
PLANTS

Anncy – Argonay – Seynod – Meythet – Crézancy – Alès –
Bielefeld – Turin – Mettmann – Sibiu – Gardelegen – Curitiba
– Allonnes

5 LOGISTIC
Centers

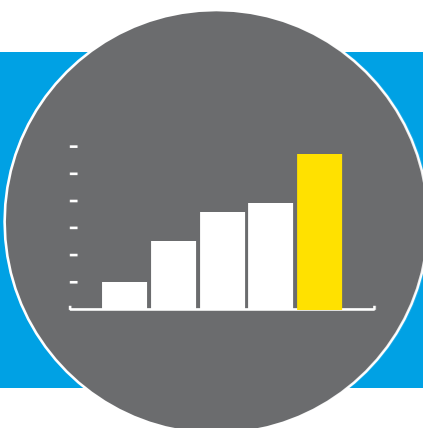
Anncy – Chambéry – Cran-Gevrier – Saint-Vulbas – Erkrath



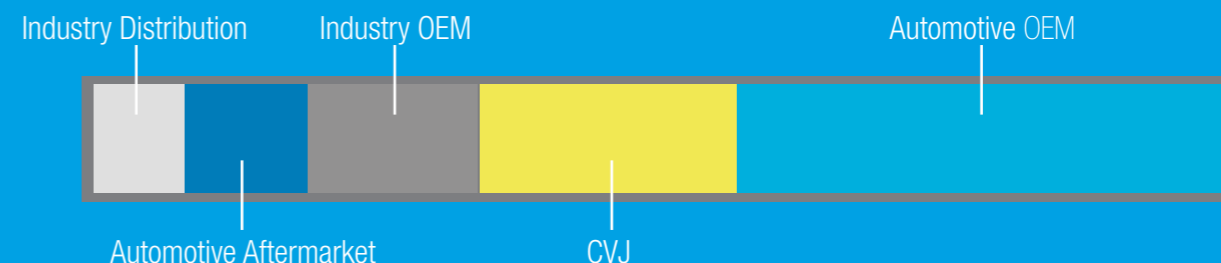
MORE THAN 4000 EMPLOYEES

NTN-SNR manages and develops
all of the group's activities for Europe,

South America, Africa and Middle East, offering a unique combination of Asian and European cultures.

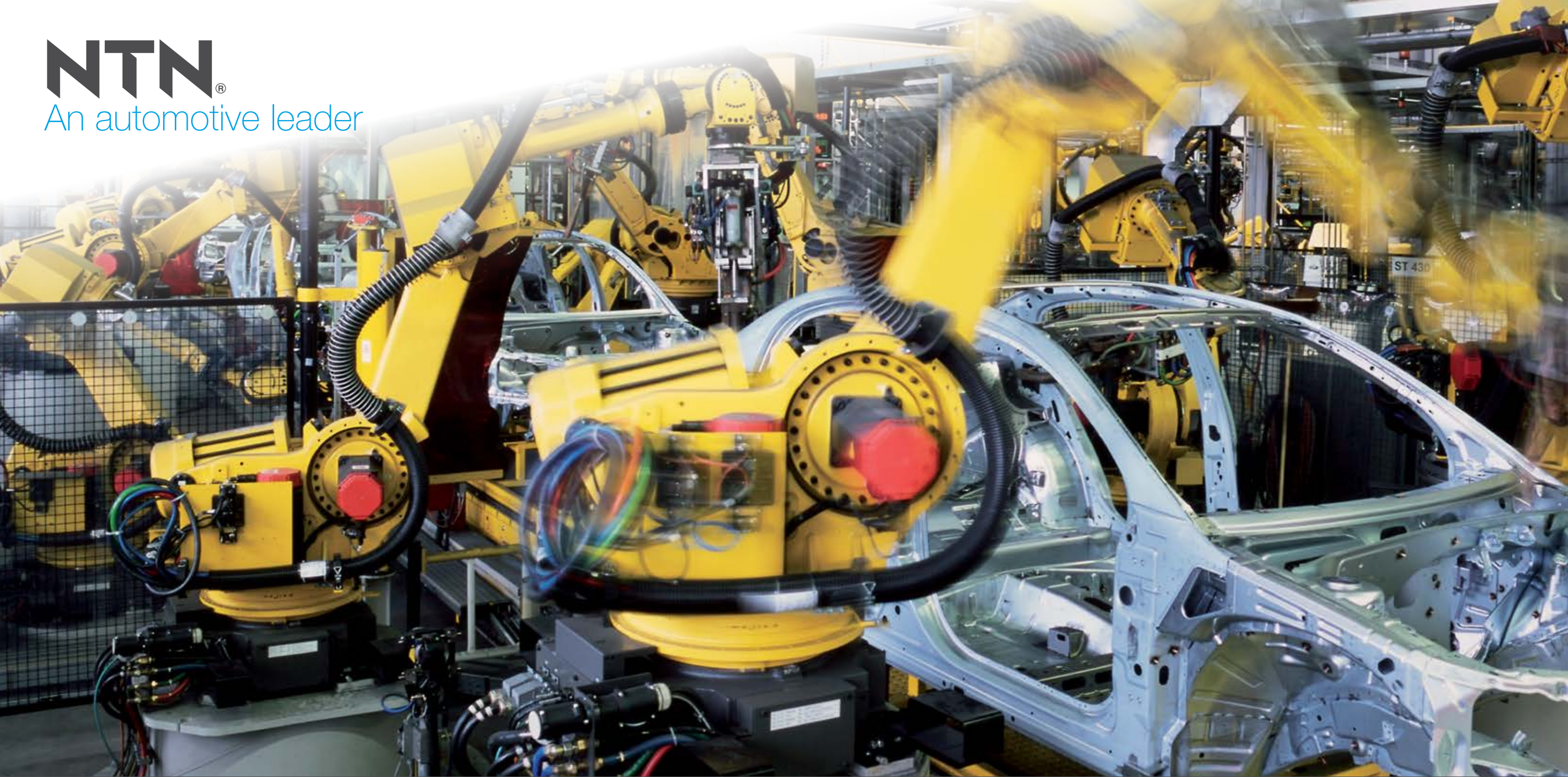


1,4 **BILLION**
EUROS
IN SALES



OEM = Original Equipment Manufacturer

NTN[®]
An automotive leader



AUTOMOTIVE OEM & IAM
MAIN ACTIVITIES

Leaders in the world market place



Innovation solution

Research & development
2 R&D Centers (Annecy France, Kuwana Japan),
2 Development sites (USA, China),
In Europe: 400 dedicated engineers. 200 Million euros of investment over the past 4 years.

Reversed taper roller bearings

PCS Hub-Joint
International Grand Prix awards
for automotive innovation Equip-Auto 2015

Variable auto tensioners

In-Wheel motor systems
Innovation Award Automechanika 2012

ASB[®] **ASB**[®] Technology
(Active Sensor Bearing)
a worldwide standard.

WHEEL – HUB BRAKE DISC – SUSPENSION – CVJ – TIMING – AUXILIARY – CLUTCH – GEARBOX



MERCEDES • BMW • AUDI • VOLKSWAGEN

BENTLEY MOTORS • PORSCHE • LAMBORGHINI • JAGUAR

ASTON MARTIN • RENAULT • PEUGEOT • CITROËN • DS • FORD • FIAT

TESLA • DODGE • SUBARU • ALFA ROMEO • GENERAL MOTORS • HONDA

NISSAN • MITSUBISHI

OPEL • SEAT • DACIA • SKODA

SMART • TOYOTA

MERCEDES TRUCKS

MAZDA • SUZUKI

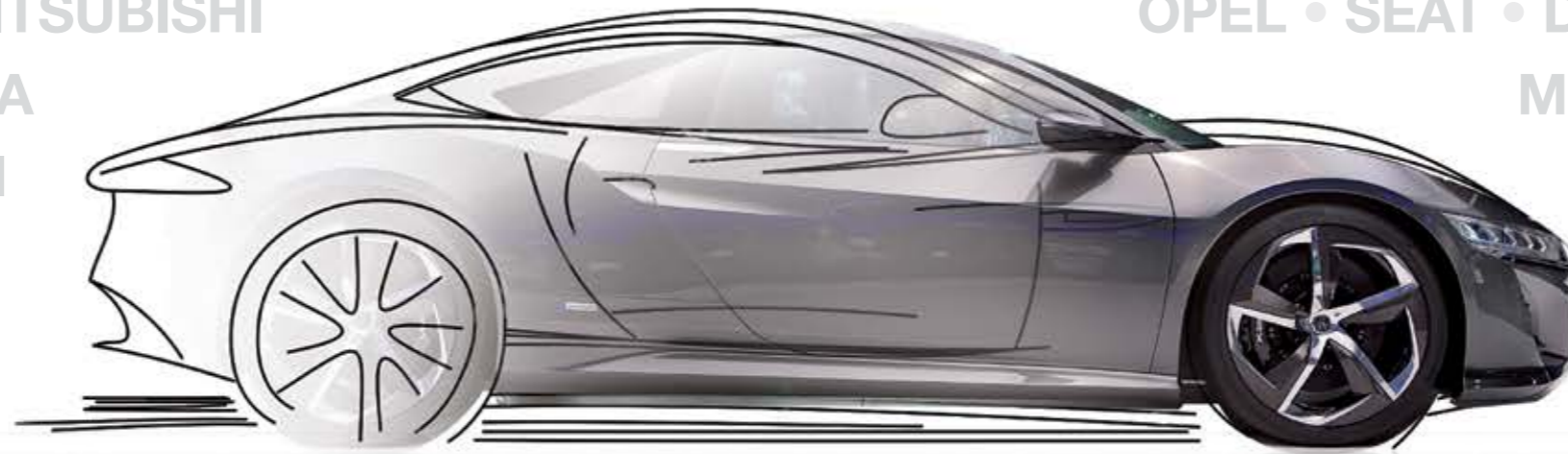
LAND ROVER

HYUNDAI • AVTOVAZ

CHERY • KIA

DAIMLER

FUSO • ISUZU



Trusted by the world's
automotive manufacturers and OEMs



AUTOMOTIVE
AFTERMARKET



With you
**YOUR PARTNER
FOR TODAY AND
TOMORROW**

PRODUCTS

Products are developed from conception through to design, R&D OE production and finally to the aftermarket.

Strong innovation and technical know-how to develop products and services for today and tomorrow.

ENVIRONMENT

Minimize our carbon footprint with plants and warehouses specially designed to reduce energy consumption and waste materials.

PROFESSIONAL ENVIRONMENT

Member of several professional associations for the promotion of original quality.



MULTI SPECIALIST

The strength of an international group combining the best of Asian and European products, know-how and expertise, high-performance products and services for all your market's needs.

Our range is divided into 3 main areas of expertise, all developed from our OE and Aftermarket know-how.



CHASSIS



POWERTRAIN



DRIVELINE



NTN-SNR is particularly focused on the concept of original quality: **A guarantee of reliability and safety.**



CHASSIS

#SECURITYINSIDE

With more than 2,000 part numbers, the NTN-SNR Chassis product range is one of the most comprehensive ranges on the market today, the range covers wheel bearing kits, brake discs with integrated bearings, suspension kits and CVJ.

WHEEL BEARINGS

- One of the largest ranges worldwide
1,300 Kits for passenger cars and more than 130 wheel bearings for commercial vehicles
- **98%** coverage of the European car parc
- A large range of Asian applications is covered thanks to our **Asian roots**
- **Original quality** wheel bearings and components are always contained in our kits



BRAKE DISCS WITH INTEGRATED BEARINGS

- A unique range covering **100%** of the vehicles equipped with rear hub brake discs
- **NTN-SNR uses the same** specifically developed hub brake discs, for both OEM and the independent aftermarket.
- Strict control of our manufacturing processes **in our factories** guarantees the quality and safety of all our products.



CVJ

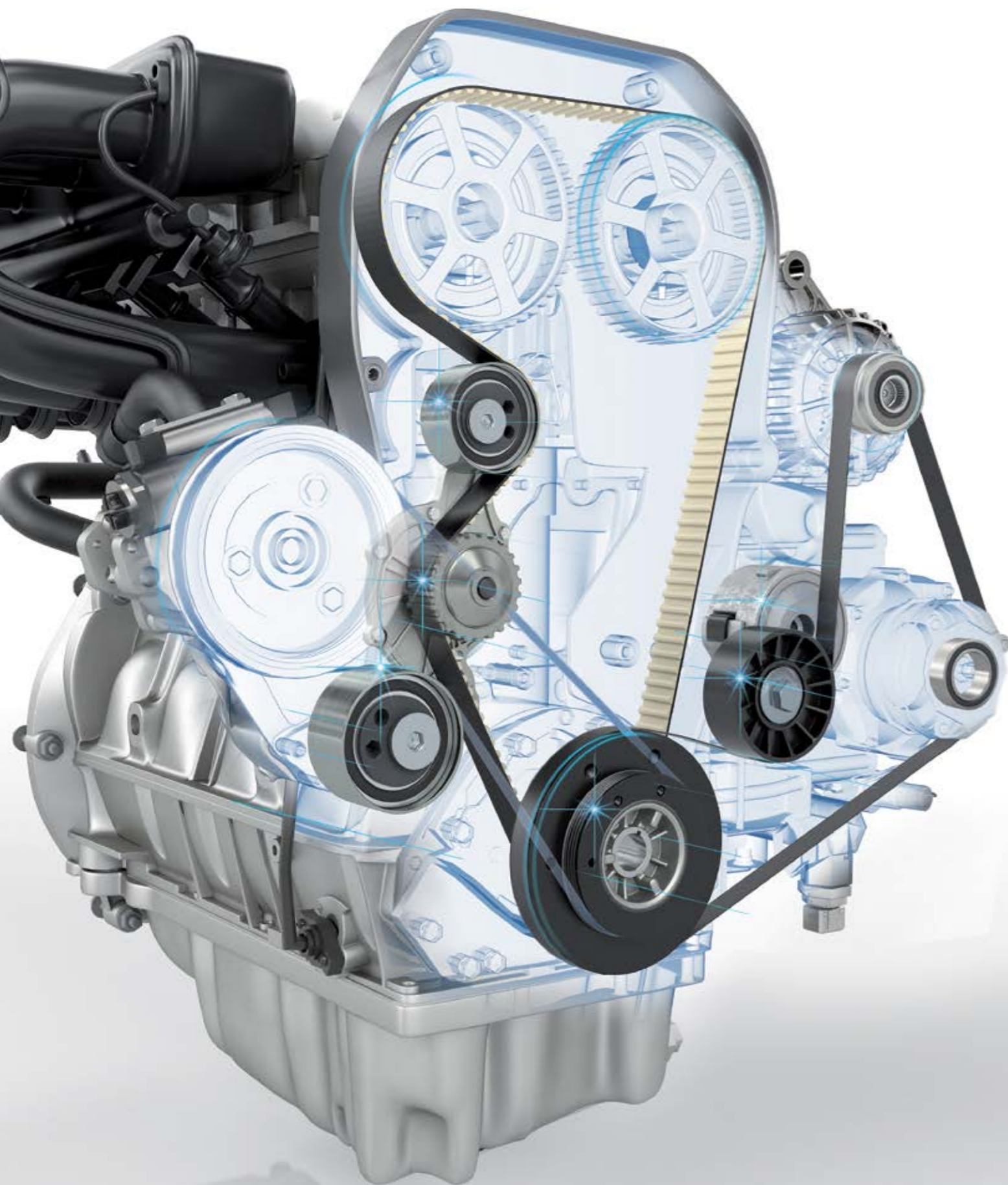
- **3 ranges:** Driveshafts, CVJ Kits and boot kits
- The strength of the world's 2nd largest **OEM** manufacturer
- **OE Quality**



SUSPENSION KITS

- One of the broadest ranges on the market today covering more than **400 part numbers**
- **OEM Leaders** and partners of the world's largest automotive manufacturers.
- **Quality assurance is guaranteed by using** original products and components in our kits, developed according to industries requirements and specifications
- Unique control of our manufacturing processes
NTN-SNR now produces **20 Million suspension products each year**





POWERTRAIN

#PERFORMANCEINSIDE

The NTN-SNR Powertrain products portfolio offers a complete range of replacement parts for **TIMING, AUXILIARY and AIR CONDITIONING**. Each of the 3,000 part numbers in the range contributes to a high level of quality helping to guarantee performance and reliability.

TIMING



- A large range of 1,200 references covering **timing kits, timing kits with water pump, tensioners and idler pulleys**
- **98% of the European** car parc is covered
- Main supplier to the VAG for hydraulic tensioners.
- The partner of vehicle manufacturers worldwide.

AUXILIARY SYSTEM



- One of the most comprehensive ranges on the market today covering 1,800 references
- **Tensioners, idlers kits crank shaft pulleys, overrunning alternator pulleys auxiliary kits and belts**
- **96%** coverage of the European car parc
- Unique and dynamic range (25% of the range added over the past 3 years)

AIR CONDITIONING

Air conditioner bearing



- A range of 30 references that covers the entire air conditioning market.
- Original equipment quality products

DRIVELINE

#RELIABILITYINSIDE

The NTN-SNR transmission product range contains a large selection of **GEARBOX BEARINGS** and **CLUTCH RELEASE BEARINGS** for passenger cars and heavy duty vehicles.

GEARBOX BEARINGS

> PASSENGER CARS

- A range of **300 bearings**, supplied by both NTN and SNR plants
- **80% of the range are specific parts** tailored to OE needs
- The range covers **150 types of gearboxes**: automatic, manual and CVT (continuously variable transmission)
- Partners with Europe's and Asia's largest vehicle and gearbox manufacturers

> TRUCKS

- NTN-SNR provides the aftermarket with more than 100 OEM transmission truck parts with a focus on the most popular trucks used in Europe today.
- 50 references specially designed for Asian transmissions

CLUTCH RELEASE BEARINGS

- A range of clutch release bearings designed and manufactured by NTN-SNR
- Strict controls along the manufacturing process guarantee the quality of our clutch release bearings





SERVICES

#SOLUTIONINSIDE

ADDED VALUE

- Dedicated teams worldwide
- Premium range quality
- Valuable brands: **NTN & SNR**
- Premium Services:
 - Class leading catalogues
 - On-line solutions, e-tools, e-order
 - Fitting instructions, TechInfos
 - Smartphone APP: TechScaN'R
 - Training

CATALOGUES, BROCHURES & SALES SUPPORTS



SMARTPHONE SERVICES: **TechScaN'R**



- Technical data for technicians via iOS & Android smartphone
- Solutions available everywhere at anytime
- Easy to use: Just scan the part number: no QR codes needed
- All boxes and catalogues are now connected
- Special features: Augmented Reality & 3D
- First to market

ON-LINE SERVICES

- e-Catalogue
- Online ordering
- TecCom Solution
- TecAlliance

INTERNAL TECHCENTER

- Where our technical team can answer customers' questions and requests
- Online solutions available everywhere at anytime
- General data: maintenance, tightening torques

TECHNICAL SHEETS & FITTING INSTRUCTIONS



- Provide mechanics with all technical information needed to correctly install the product
- Based on top problems and recurrent claims most reported by our customers
- Based on our own technicians' expertise and know-how



Efficient logistics
based in our a new
dedicated
**Automotive
European
Distribution
Center**

(Cran-Gevrier - FRANCE)

- Delivering quality
- Single logistics for all our ranges

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