

**Corporate Data**

Corporate name : NTN Corporation  
 Trademark : **NTN**  
 Date founded : March 1918

Capital : 54.3 billion yen  
 Head office : Daibiru-Honkan Bldg., 3-6-32,  
 Nakanoshima, Kita-Ku,  
 Osaka 530-0005, Japan  
 Representative : Eiichi Ukai,  
 President, Executive Officer

Fiscal term : March  
 Number of employees : 23,027  
 (consolidated/as of the end of March 2023)  
 Sales : 774.0 billion yen  
 (consolidated/FY2022)

**NTN aims to realize a "NAMERAKA Society"**

NTN is a precision machinery manufacturer that researches, develops, manufactures, and sells bearings and driveshafts (CVJs). In 2018, NTN celebrated its 100th anniversary.

Our main products, bearings are essential and precision components that support rotation of machinery. They are used in various types of machinery including automobiles, wind turbines, rolling stocks, and others to support the lives of people around the world.

NTN aims to contribute to solving social issues around the world and realize a "NAMERAKA Society" where people can easily lead a secure and fulfilling life in harmony with nature.



**Bearing**

Eco-products supporting all rotating parts to reduce friction

**Global network of more than 200 bases worldwide**

NTN Group has 212 bases in 34 countries around the world. (118 sales bases, 72 manufacturing bases, 15 R&D bases, and 7 other bases as of the end of March 2023) The number of employees around the world exceeds more than 20,000 employees. We respond swiftly to the demands of customers around the world by cooperating between our global bases.

**Ratio of overseas production**



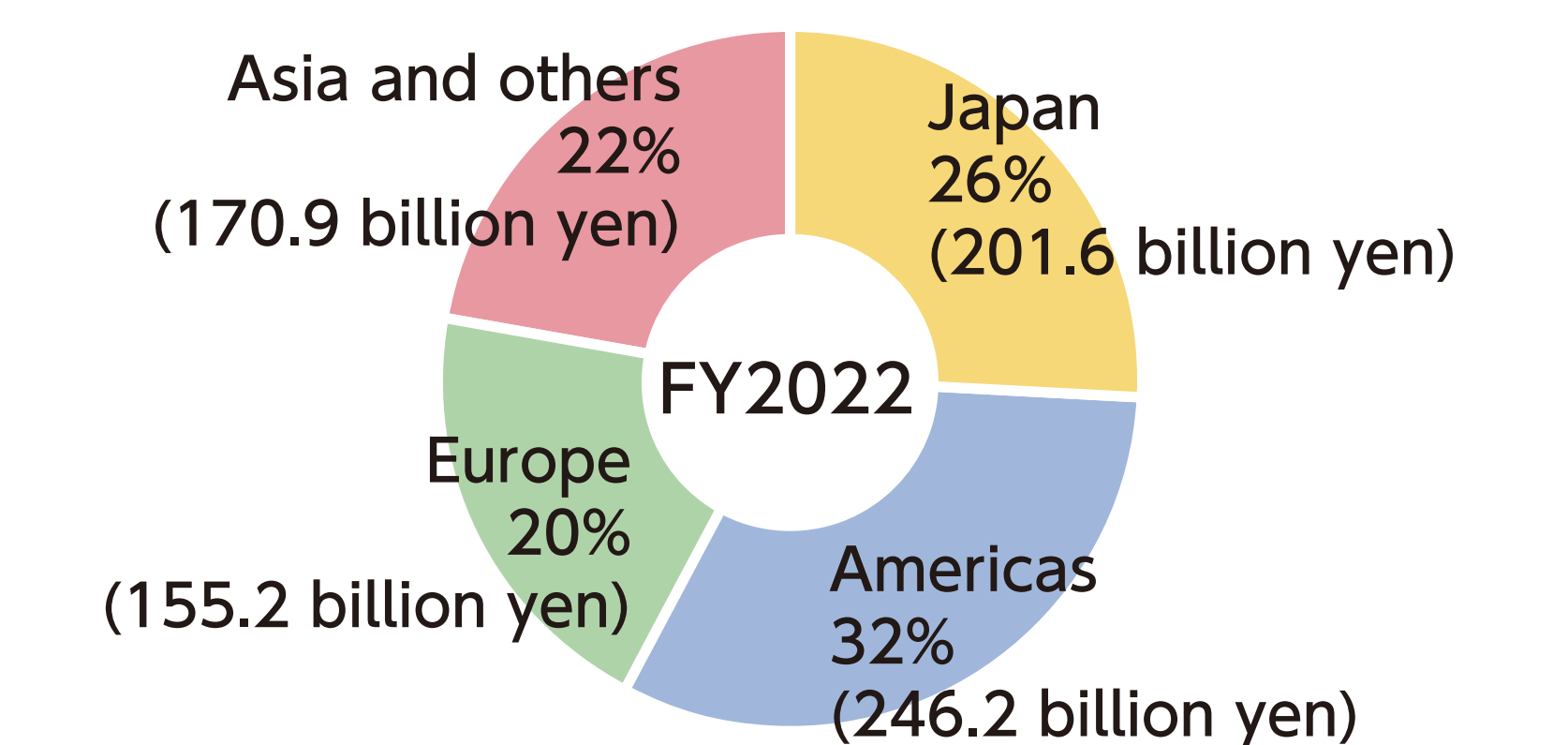
**Ratio of employees overseas**



**Ratio of overseas sales**



**Net sales by region**

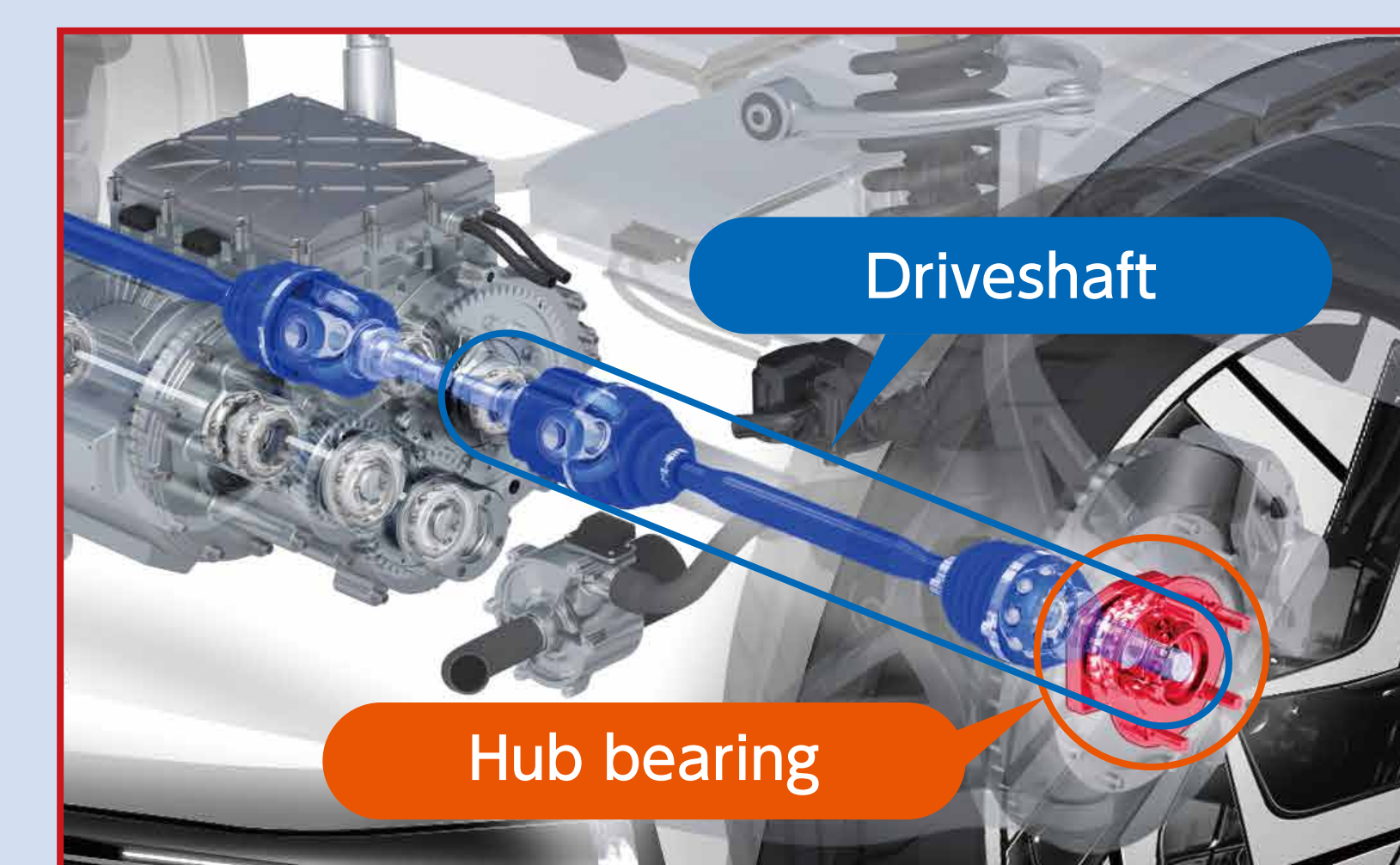


**Contribution fields**

**Automobile**

**Large world shares in hub bearings and driveshafts essential to all type of automobiles**

NTN has the world's top class market shares in hub bearings and driveshafts. They are essential not only for ICE vehicles that run on engines (internal combustion vehicles), but also for EVs that run on motors.



**Hub bearing**

Bearing that supports the smooth rotation of tires.



"Low Friction Hub Bearing III" that reduces rotational friction by 62%

**Driveshaft**

Products that transmit rotation from engine and motor to tires.



High Efficiency Fixed Type CVJ "CFJ" Realize the world's highest level of efficiency during transmitting torque

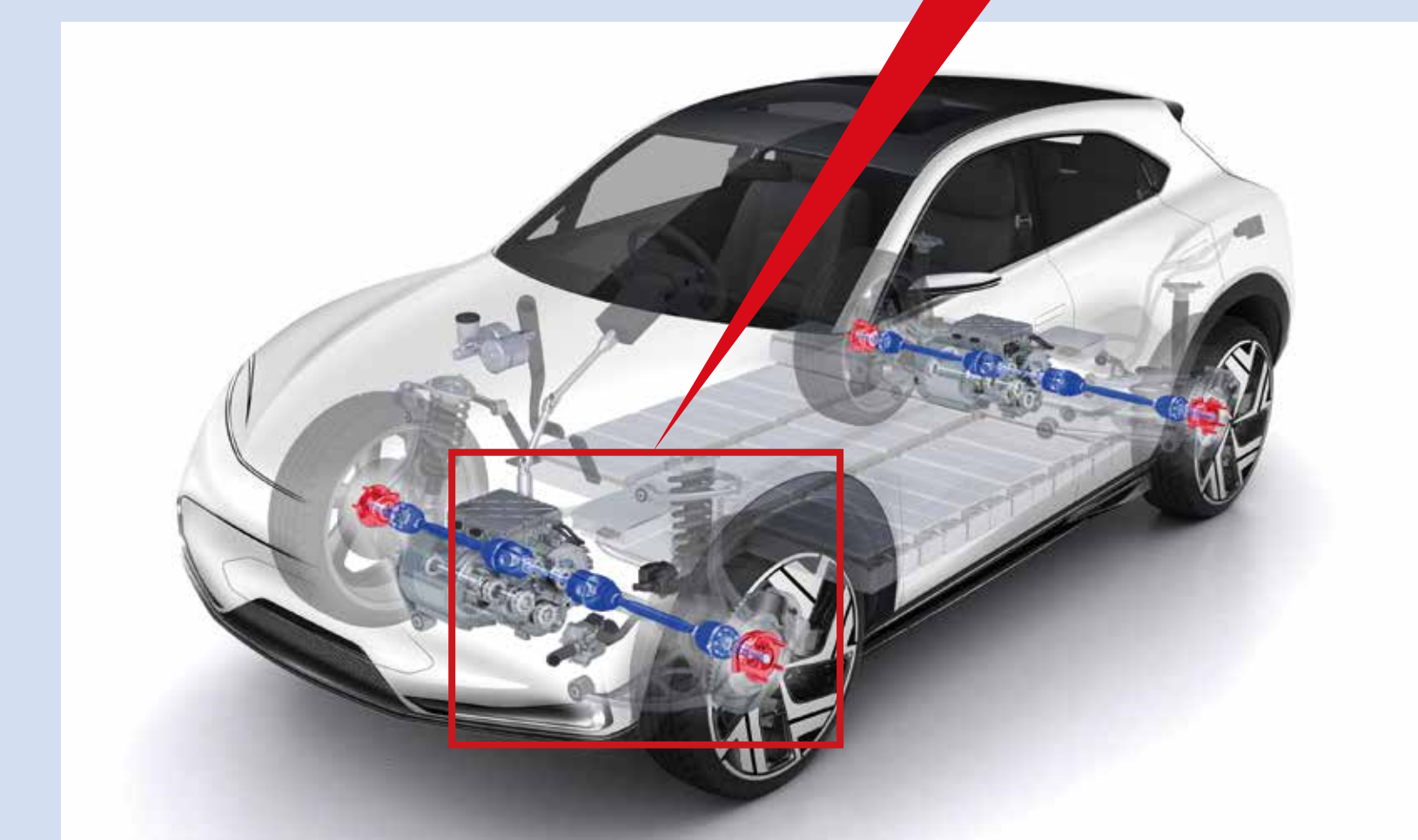
**Develop bearings for e-Axles that are newly used in EVs**

- Respond to high speed rotational performance, low friction, insulation performance, etc.

High Speed Deep Groove Ball Bearings for EVs and HEVs



Bearing with Insulating Coating



**Industrial machinery**

**Contribute to stable operations of industrial machinery around the world with its exceptional technological competence**

NTN provides bearings that meet the demands of various industries, such as long operating life and high speed. Bearings for industrial machinery cover a wide range of sizes from a few millimeters for electronic machinery to several meters for wind turbines.

Construction machinery



Agricultural machinery



Machine tools



Electronic machinery

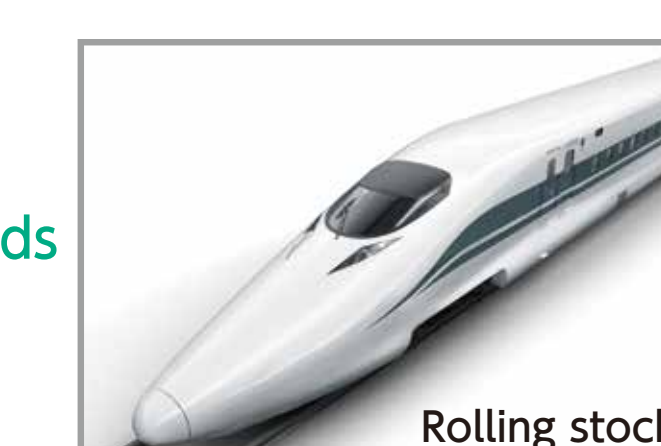


**Highly reliable with special use environment**

Maintain high precision at high temperatures of 200°C



Contribute to safety at speeds of 300km/h



**Aftermarket**

**From products to services to provide customers' assurance**

In addition to products that are useful for the maintenance of bearings, NTN provides services that introduce how to handle bearings, thereby supporting the stable operations of customers' facilities.

**Provide analytical reporting services**

Diagnose bearings easily by simply attaching to facilities "NTN Portable Vibroscope"



Visit customers with technical service units to lecture how to handle bearings



Diagnose abnormalities in bearings remotely by using small cameras

**Social issues NTN solves**

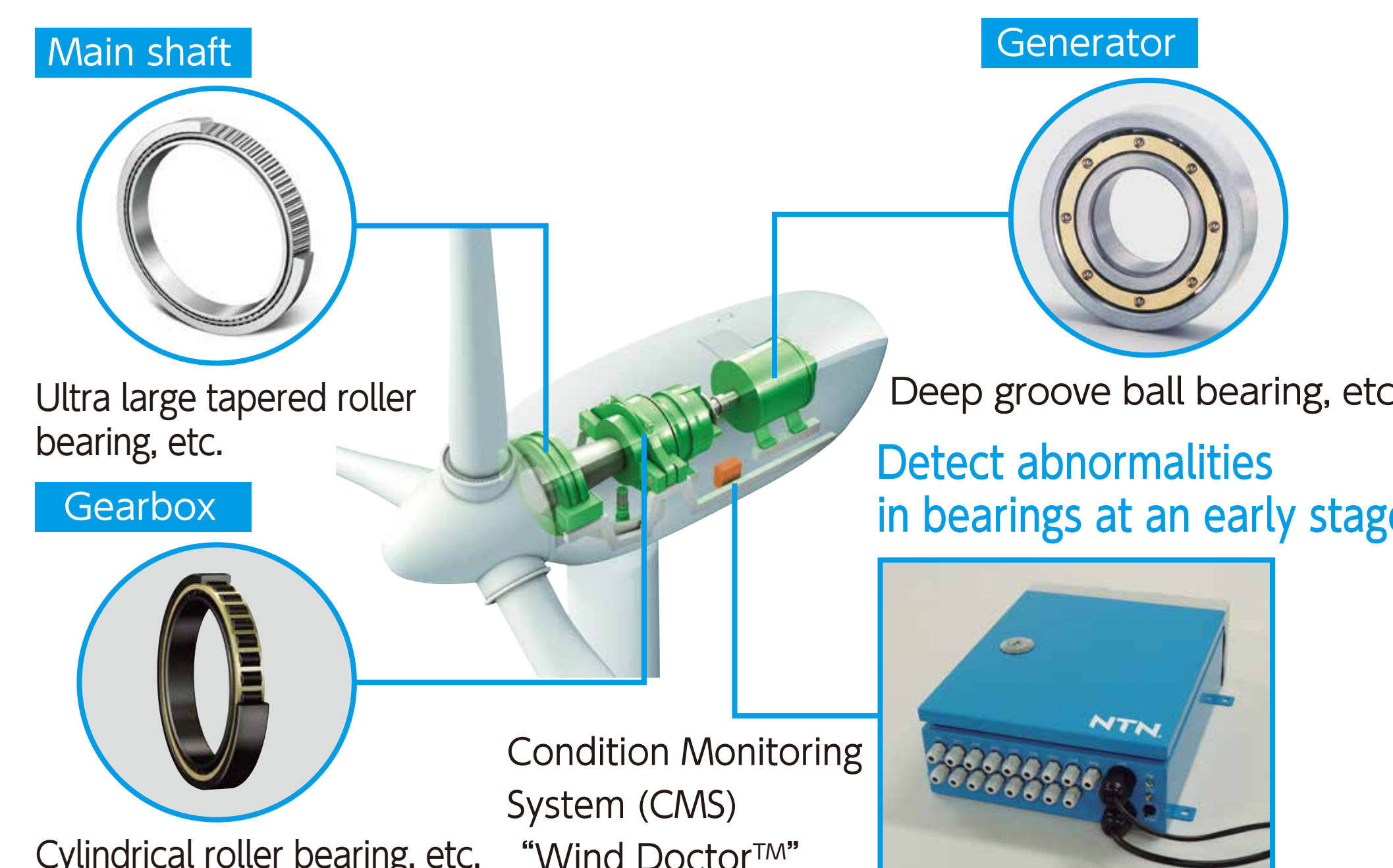
NTN endorsed the United Nations Global Compact and works to realize the SDGs.



**Realize carbon neutrality**



While the reduction of CO<sub>2</sub> emission is required globally, NTN contributes to development of renewable energy market through providing bearings for wind turbines and condition monitoring system (CMS) that monitors the operating status of these bearings, as well as green energy products that can generate electricity from renewable energy such as wind and solar light.



**Respond to robotization**



While robots are essential for labor saving at manufacturing sites and realization of smart cities, NTN offers products that contribute to the advancement of industrial robots, and module products for robots that replace manual labor with smooth movements like human wrists.

