

06 Data Section Glossary

Term	Meaning
CMS	CMS stands for C ondition M onitoring S ystem. One example of a CMS is a system for understanding/analyzing the operational status of bearings (e.g., vibration, noise, rotational torque) based on various data by bearings with sensors installed.
GAM	GAM stands for G lobal A ccount M anager at NSK. GAMs coordinate the global platform projects of automobiles across regions.
KAM	KAM stands for K ey A ccount M anager at NSK. KAMs coordinate with GAMs for key customers in each region and build close relationships with customers as the contact person in individual regions. By taking advantage of such close relationships with customers, KAMs have a role in regional sales activities and responses in technological matters.
MRO	MRO stands for M aintenance, R epair or R eplacement, O peration. In NSK Report 2023, we make references to the demand for maintenance and repair services of industrial machines and equipment in the Industrial Machinery Business.
NIT	NIT stands for N SK Institute of T echnology, which is an internal educational institute for our engineers to master more advanced technology.

Term	Meaning
NPDS	NPDS stands for N SK P roduct D evelopment S ystem. NPDS, NSK's proprietary quality management system, is geared toward promptly and reliably responding to new projects and to the mass production of products that satisfy customers. Being rolled out globally, at each stage of the process, from product planning to development and design, prototype manufacturing, and mass production, dedicated staff perform stringent checks to confirm that any concerns are resolved and to build quality. Even after a product has entered mass production, we conduct thorough management to stably maintain high quality.
NSK Monozukuri Center	NSK Monozukuri Center was established in 2005 for the purpose of passing on manufacturing related know-how and skills and developing current and future leaders of the shop floor.
Product Lifecycle Management (PLM)	PLM stands for P roduct L ifecycle M anagement and refers to the management of the product life cycle. NSK is working to expand its PLM strategy to include equipment maintenance and repair after product sales, with the aim of strengthening its service delivery system throughout the entire product life cycle.
QCDDSM	QCDDSM stands for Q uality, C ost, D elivery, D evelopment, S ervice, and M anagement. The QCDDSM elements are generally focused on by the manufacturing industry including NSK.
SPI Management	SPI is an acronym for S ales, P roduction, and I nventory, and refers to the appropriate management and operation of sales, production, and inventory.
Actuators	Actuators refer to mechanical components that, for example, play a role in the actuation of brakes and gear shifting of automobiles.

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Aftermarket	Aftermarket refers to maintenance and repair demand. In NSK, aftermarket mainly means the demand and business for repair and replacement.
Environmentally Friendly Products	Environmentally friendly products are those products that, together with offering higher performance than conventional products, contribute to a greater reduction of negative environmental impact. At NSK, we emphasize the following for product manufacturing that contributes to the reduction of negative environmental impact: <ol style="list-style-type: none"> 1. Creating products that contribute to energy and resource conservation during use by customers; 2. Creating products that minimize energy and resource use during production; 3. Creating products that realize zero use of environmentally harmful substances; and 4. Creating products that contribute to people's health and safety through low vibration, low noise, and low dust emissions.
Global Posts	Global posts refer to important business management posts at regional headquarters, including regional heads. Many of these positions are filled by local employees, and business expansion is led locally.
Design Quality/ Manufacturing Quality	Design quality refers to "targeted quality" and is the quality realized by building it in at the design stage to achieve satisfying function and performance. Manufacturing quality is known as "performance quality." It is the quality of products that have been manufactured and is realized through management at the manufacturing stage.
Smart Factory	Smart factory in this report refers to NSK's new concept factory. The status of equipment and processing in each process during manufacturing is understood with data in real time, which is utilized for quality control, equipment maintenance, and product traceability. The understanding and management of big data are realized by advancements in Information Technology (IT). The evolution of the information of things such as IoT is the technology behind the smart factory.

Term	Meaning
Needle Bearings	Needle bearings refer to bearings with needle-type rolling elements. Low cross-sectional height and high load capacity helps realize space saving.
Hub Unit Bearing	Hub unit bearing refers to a type of bearing that integrates the part attached to the vehicle body and the part called a hub, to which the wheel is mounted. Hub unit bearings support the vehicle body while smoothly rotating the wheels.
Powertrain	Powertrain refers to the main components that generate power and deliver to the drive wheel in automobiles.
Mother Plant	We position plants with outstanding capacity such as excellent technical ability and significant production capacity as mother plants. In NSK, mother plants have the role of transferring technology, etc., to child plants located overseas.
Megatorque Motor™	Megatorque Motor refers to the integration of the bearing, motor, and sensor to produce accurate rotational motion. The Megatorque Motor enables agile motion and smart control.
Monocarrier™	Monocarrier refers to a lightweight, compact single-axis actuator with an all-in-one design integrating ball screw, linear guide, and support bearings. NSK was the first in the world to develop on its own all-in-one linear motion products.