

## Constructing the NTN R&D Center to strengthen the development of eco-friendly products

### ■ "Creating Value"

NTN is currently implementing the medium term business plan "Rapid Advance 21" as a priority measure and conducting reforms to "create value" under the concept "design determines everything."

The NTN R&D Center that was completed September 2005 in the Iwata area, will support rapidly developing technical innovations worldwide, respond to borderless markets and will serve as the "mother center" for the global supply of new products and technologies. Overseas, in addition to our America Technical Center in the North American area, in 2005 we will reorganize our technology base in Europe and in 2006 we plan on constructing a technical center in the China Changzhou area. Once these centers are completed at the end of fiscal 2006, we will have established our research and technology system at four points worldwide including China.

### ■ Development of Next Generation Environmental Energy Products

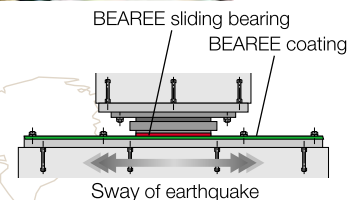
At this center, not only do we conduct technological development for existing operations, we will strengthen the development of new products in the cutting-edge fields of next-generation automobiles, environmental energy, medical care and robotics. We have reinforced our specialty division for the purpose of applied research in electronics and we will develop new products which have substantial market potential or a major technological application potential in cutting-edge areas such as next-generation automobiles, environment, and welfare.

### ■ "Living Research Lab" does not sleep

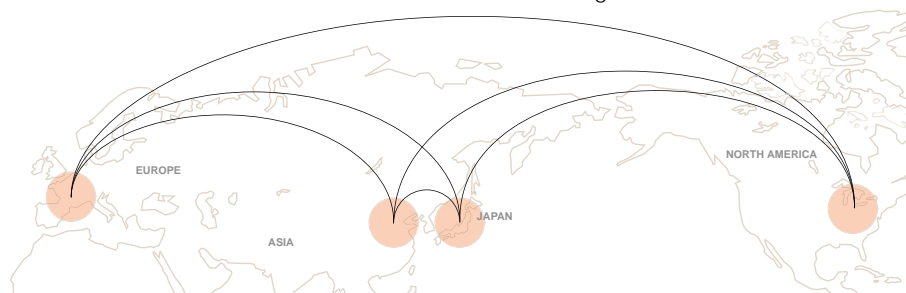
We operate 24 hours a day dealing with development items and responding to customers worldwide and we created a real time network with our overseas technical centers in an effort to share technological information and utilize testing facilities globally. At this center, we promote speed in the development of new products through the latest IT environment, testing facilities, and flexible management.

### ■ A Place to Experiment using Environmental Design

Concerning the facilities and design of the building, we considered it an opportunity to experiment with environmental devices such as seismic isolation, natural energy and eco-air conditioning. The building is environmentally friendly with rooftop greening, the green procurement of the equipment used, and the introduction of NTN environmental equipment. Additionally, it has a seismic isolated design using seismic isolation equipment developed by NTN to provide against an earthquake like the Great Hanshin Earthquake and has crisis management functions so that it can operate as a disaster control center for the Iwata area operation site (refer to picture and diagram below).



"NTN Super Sliding Bearing"



### NTN R&D Center

- (1) Location: Inside the NTN Iwata Works (1578 Higashi Kaizuka, Iwata City, Shizuoka Prefecture)
- (2) Total floor area: Aggregate floor space for 5 floors = 16,800m<sup>2</sup>
- (3) Structure: The building will be built on a seismically isolated structure using the "support system with sliding type seismic isolator" manufactured by NTN Engineering Plastics Corp.
- (4) Facilities: In-house power generation, well water supply systems and other emergency response equipment designed for use during accidents and natural disasters, Roof greenery, Eco-friendly air-conditioning
- (5) Total construction costs: Approx. ¥3 billion



Illustration of NTN R&D Center