

## **Nissan Motor Co., Ltd., Global Headquarters**

<b>Location</b>	1-1-1, Takashima, Nishi-ku, Yokohama City, Japan
<b>Building Structure</b>	22 storeys above the ground and 2 underground storeys, with environmentally sustainable features and 80,000 square meters of office space
<b>Building Height</b>	99m
<b>Capacity / Functions</b>	2,800 employees and affiliated company employees from Sales and Marketing, Legal, Administration, Finance, Human Resources, Product Planning, Communications, Corporate Planning, Quality, LCV business unit.
<b>Global Headquarters Gallery</b>	4,000 m <sup>2</sup>
<b>Building partners</b>	Architectural designer – Yoshio Taniguchi Construction partner – Takenaka Corporation, Shimizu Corporation
<b>Construction</b>	Construction began January 2007
<b>Features</b>	

### The gallery is divided in six zones:

1. "Product Zone," where all the available domestic models are displayed
2. "Global Product Zone," where global models are showcased
3. "Corporate Communications Zone," where corporate information and activities information are offered
4. "Heritage Corridor," where people can learn the history of Nissan and the Nissan vehicles.
5. "Nissan Boutique," which sells Nissan goods
6. "GALLERY café," serving beverages and snacks and "Nissan Hall," with a capacity for 600 people and event space.

### Environmental features

1. Utilization of natural light: Natural light is maximized with a curtain-wall exterior and active use of sunlight in the central channel of the building, which is collected by five sets of condensing lenses that track the sun automatically. One of the distinctive features of the exterior is the use of window louvers, which control the amount of sunlight contributing not only to natural lighting but also to air-conditioning energy savings.
2. Utilization of fresh air and an efficient air-conditioning system: Super-insulated glass and

the louvres regulate interior temperatures. Air-conditioning energy consumption is controlled by external temperature with dampers installed in the exterior wall, which automatically detect wind speed and humidity and allow fresh air to flow into the building. An additional energy-saving feature is the use of ascending air current generated by the building's central channel, which reduces energy required for ventilation systems.

3. Reuse of resources and greening: Rainwater and miscellaneous drainage, including that from the kitchen, are processed and used as sanitation water and for plant watering. With the green roof system on the gallery, the amount of the total lot area dedicated to green space is 11%.
4. BEMS (Building Energy Management System): The building features BEMS, a management and control system that automates and unifies energy conservation monitoring and controlling in the overall energy facilities in a building.
5. CO2 emissions reduction: As a result of improvement in overall efficiency, the Nissan Global Headquarters will emit approximately 3,800 fewer tons of CO2 compared to the facility in Tokyo – (CO2 emitted in the former headquarters: 14,000 t/year, CO2 emitted in the new headquarters: 10,200 t/year).