**NISSAN**

# Nissan and NAMCO BANDAI Develop Low-Carbon City Driving Simulator Using Virtual Reality Technology To be Exhibited at CEATEC JAPAN 2010

YOKOHAMA, Japan (September 29, 2010) – Nissan Motor Co., Ltd. and NAMCO BANDAI Games Inc. today announced the joint development of a driving simulator through which people can experience the near future of Yokohama City, in virtual reality, where a Smart Grid[1] is in place.

The driving simulator represents the near-future Yokohama City based on the "Yokohama Smart City Project," a venture to realize a low-carbon city. The simulator produces an ultra high-definition 3D image with pixels approximately four times larger than the full high-definition image (4K2K).

Up to four people may use the simulator simultaneously. It can render road structure, buildings and facilities without any restrictions, so changes of the city landscape and functions caused by the introduction of the Smart Grid can be studied multilaterally and experientially. In addition, the Next-Generation ITS[2] that requires comprehensive evaluation with multiple vehicles can be tested in more realistic environments.

Nissan designed the base specification of the city and mobility, while NAMCO BANDAI and its group company, CELLIUS, Inc., worked on system development. This is the world's first system in which a number of vehicles can travel simultaneously and interactively in a diorama using the ultra high-definition 3D image.

The driving simulator will be displayed as a special exhibit at CEATEC JAPAN 2010 October 5-9 at the Makuhari Messe in cooperation with other Smart Grid-related companies. CEATEC JAPAN is one of the largest exhibitions in Asia showcasing cutting-edge electronic and information technologies.

Driving Simulator (image)

[*1] Smart Grid: Next-generation electricity network that significantly improves electricity use efficiency and enables stable introduction of renewable energy by connecting the supply side (power stations) and the demand side (houses and buildings) of electric power with two-way electricity and information networks.

[*2] Next-Generation ITS: Cooperative ITS service which provides a wide range of driving support in terms of "safety," "efficiency/environment" and "comfortable/convenience" through road-to-vehicle and vehicle-to-vehicle communications. ITS (Intelligent Transport System) is an advanced information system that connects people, vehicles and traffic infrastructure that can contribute to improving road safety.

CEATEC JAPAN Official Website:
http://www.ceatec.com/2010/en/index.html

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