

Aspiring to be an Earth-friendly Railway

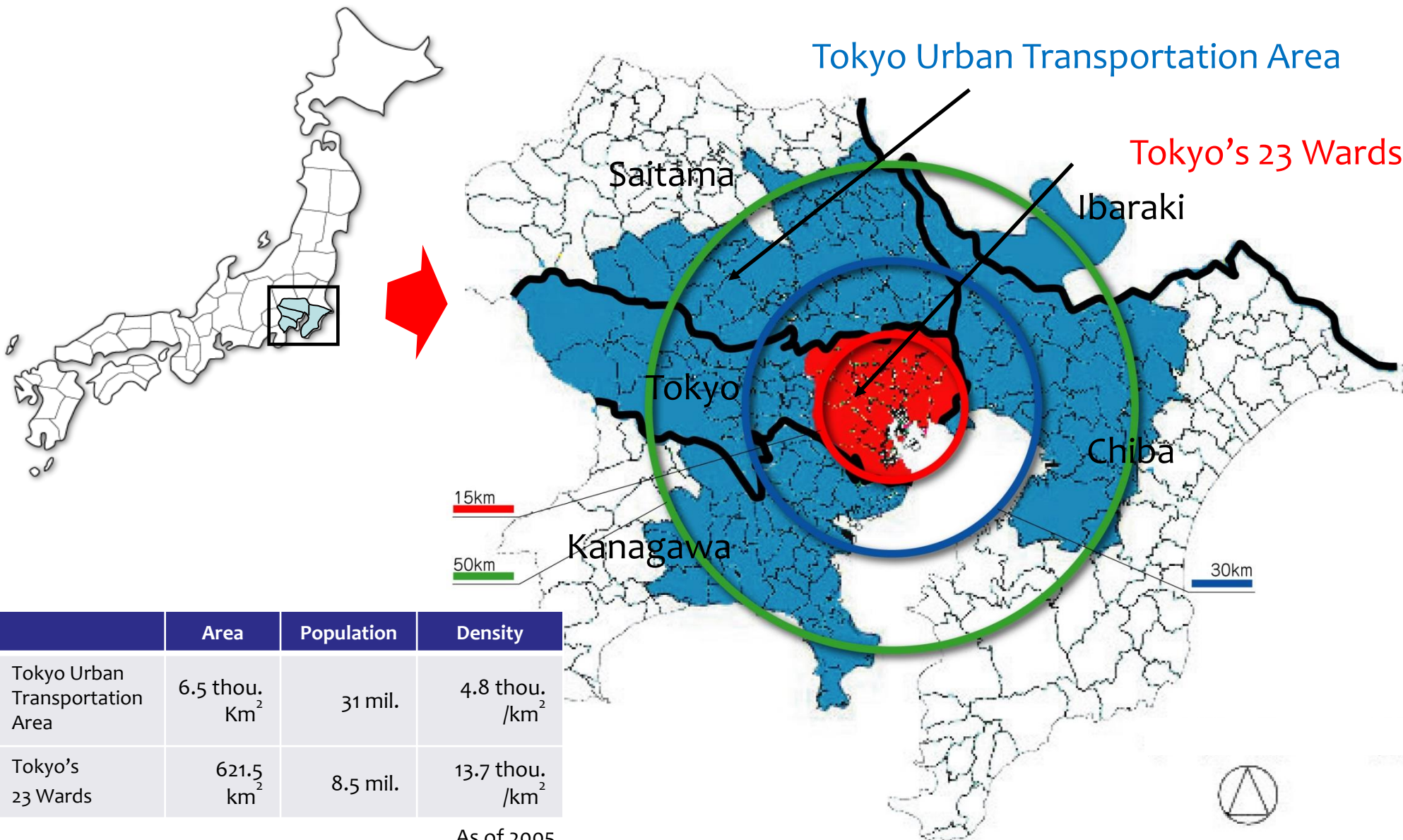
International Affairs
Tokyo Metro Co., Ltd.

April. 24, 2013

Keeping Tokyo on the Move

At Tokyo Metro Group, with the railway business at the core of our business development, we support the capital city Tokyo's urban functions and make Tokyo even more attractive and vibrant. Through outstanding technology and creativity we provide safe and comfortable transportation daily, contributing to the active lives of all people who gather in Tokyo.

Tokyo urban transportation area and Tokyo' 23 wards



	Area	Population	Density
Tokyo Urban Transportation Area	6.5 thou. Km ²	31 mil.	4.8 thou. /km ²
Tokyo's 23 Wards	621.5 km ²	8.5 mil.	13.7 thou. /km ²

As of 2005

Operating lines

9 Lines
Ginza 14.3km
Marunouchi 27.4km
Hibiya 20.3km
Tozai 30.8km
Chiyoda 24.0km
Yurakucho 28.3km
Hanzomon 16.8km
Namboku 21.3km
Fukutoshin 11.9km

Route length

Total 195.1 km

No. of stations

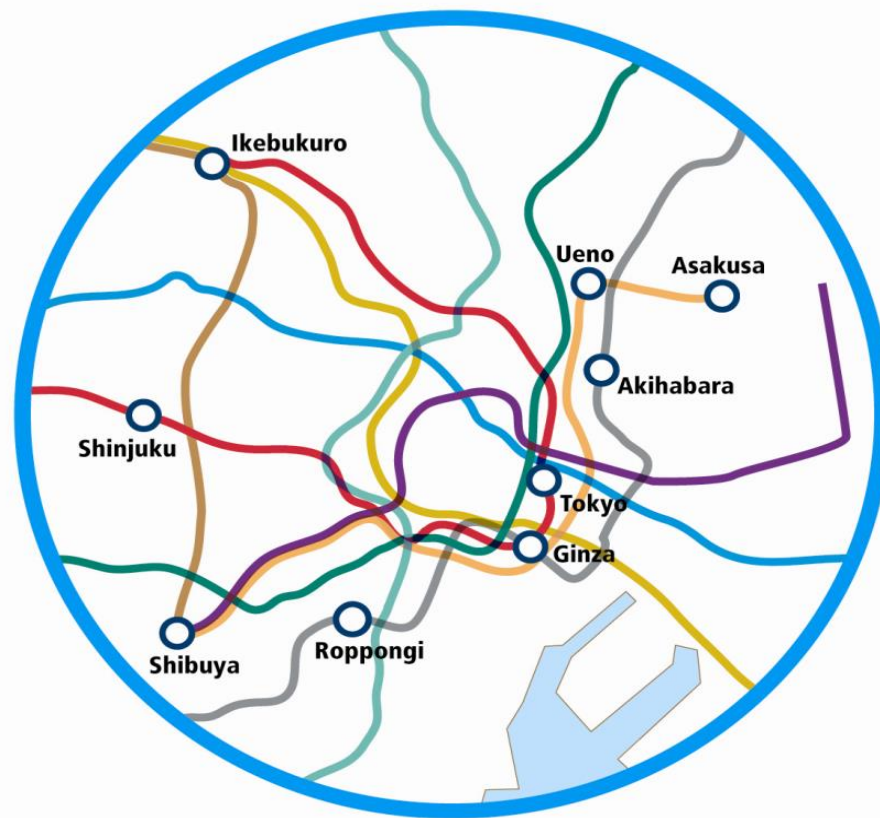
179 stations

No. of cars

2,773 cars (As of March 31, 2012)

No. of passengers

Average number of passengers per day 6.22million (FY2011)



* Toei Subway operates four other subway lines.

① Global environmental issues
that will become more serious by the day

② Ensure energy: persistent power shortages
due to the impact of the Great East Japan Earthquake

③ The fact that the Tokyo Metro is consuming
a large amount of electricity

- ① We will contribute to the improvement of the Tokyo environment by increasing the convenience and promoting the use of subways, which are a highly energy-efficient form of transportation.
- ② We will endeavor to use energy efficiently and work to prevent global warming.
- ③ We will proactively use environmentally friendly products and work to reduce resource consumption and waste.
- ④ We will strive to reduce environmental impact, such as noise and vibrations, aiming for harmony with the local community.
- ⑤ We will comply with environmental laws and regulations and work to prevent environmental pollution.

Newest rolling stock - Series 1000



Car interior



Steering bogie



Permanent Magnet
Synchronous Motor

1971

Introducing highly energy-efficient trains ahead of others



Series 6000

【Chopper Controller】



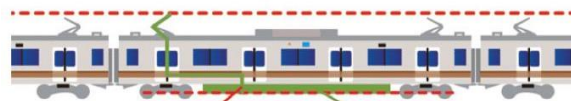
1991

Developing the next generation of environmentally friendly trains



Series 9000

【VVVF* inverter control systems】



Drawing only the precise amount of electricity needed VVVF inverter control system

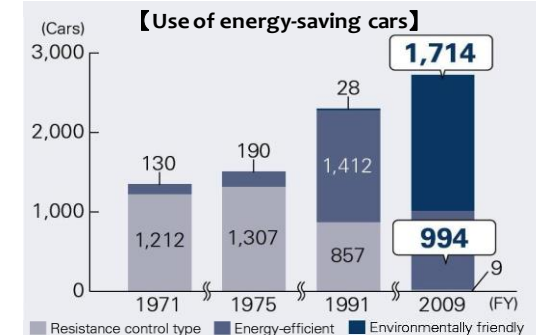
*VVVF: Variable Voltage, Variable Frequency

2010

Introducing the Series 16000 advanced environmentally friendly trains



Series 16000



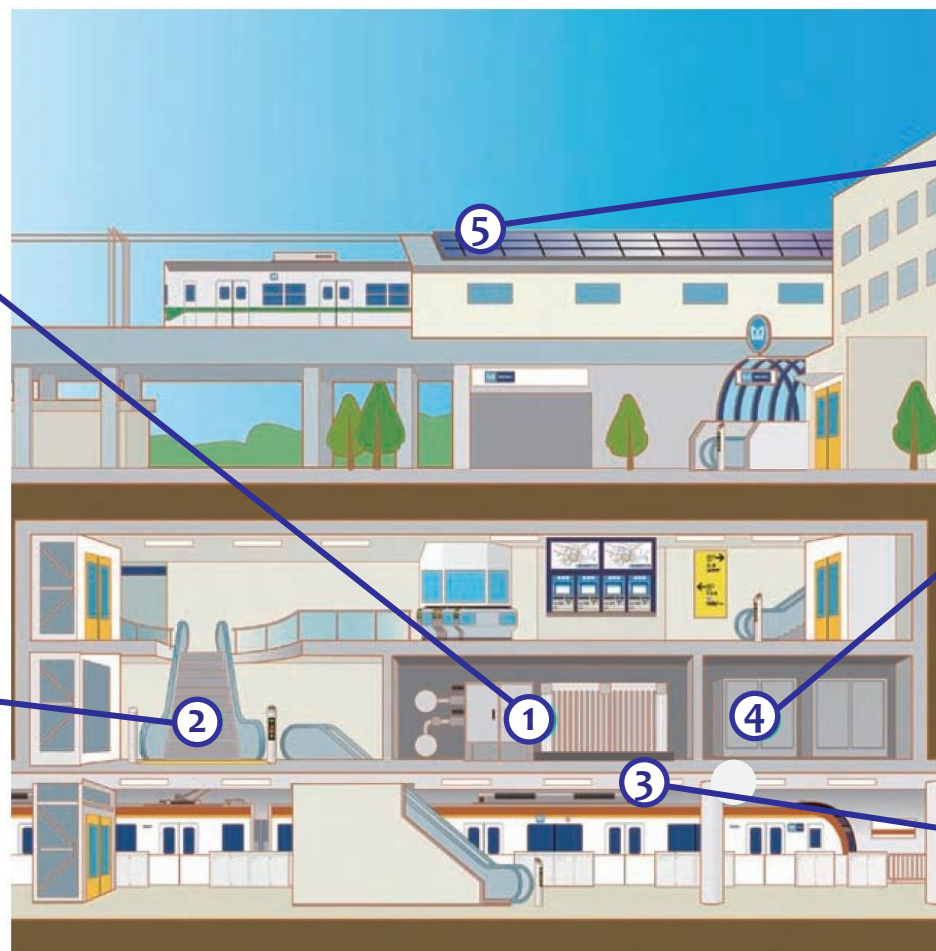
Prevention of global warming



Ice thermal storage system



Automatically operated escalators



Photovoltaic generation system



High-efficiency transformers



LED information displays

Eco-friendly station



Myoden station

Photovoltaic generation system





Social and Environmental Report 2012



Tokyo Metro Eco Project