



# **“FutureCity” Yokohama**

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# Outline of the City



Population : **3.73** million  
GDP: **12** trillion yen  
GHG Emission : **19.34** million-tco<sub>2</sub>  
Electricity Consumption : **16** billion-kwh

SUSTAINABLE  
DEVELOPMENT  
GOALS

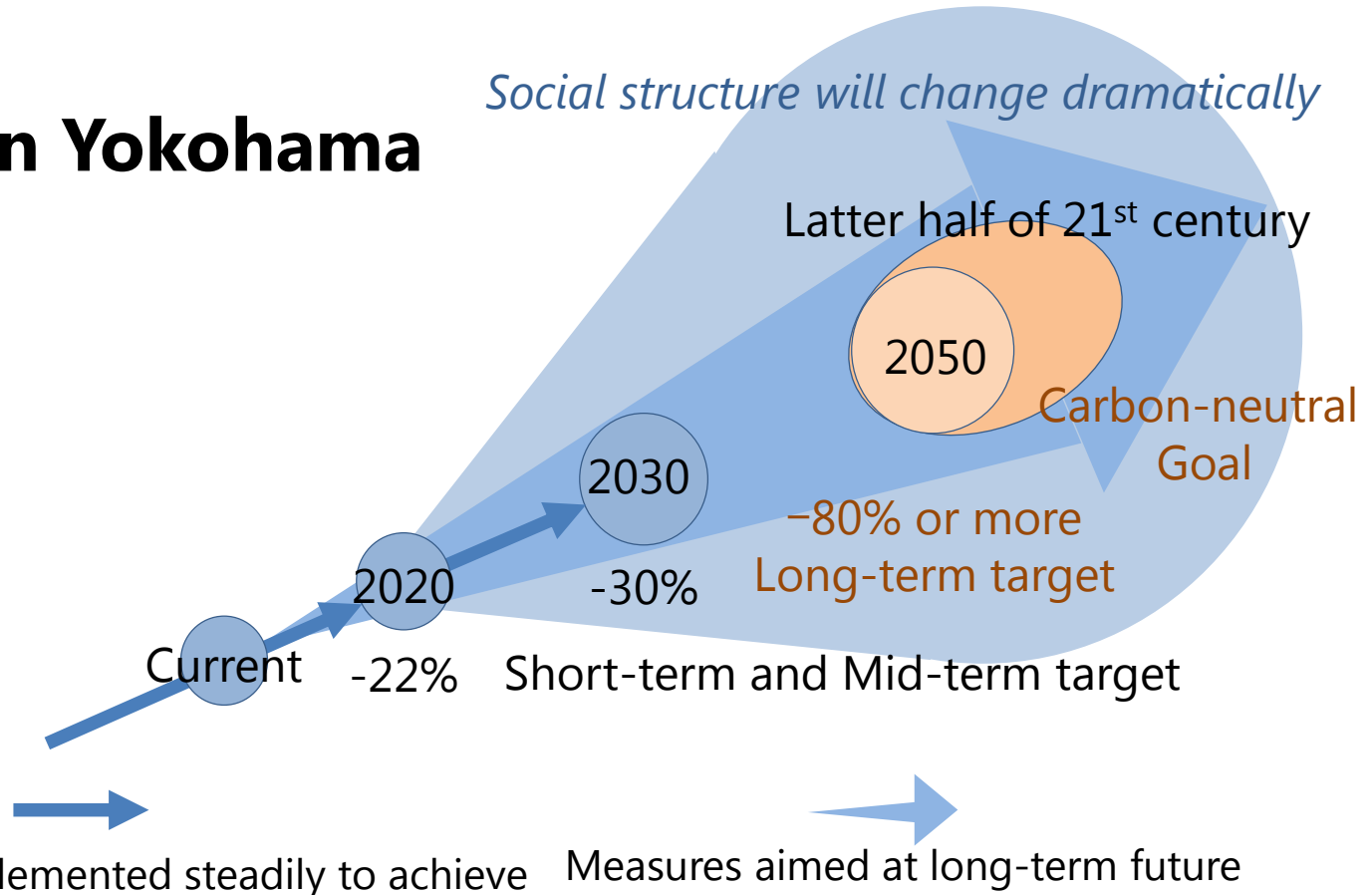


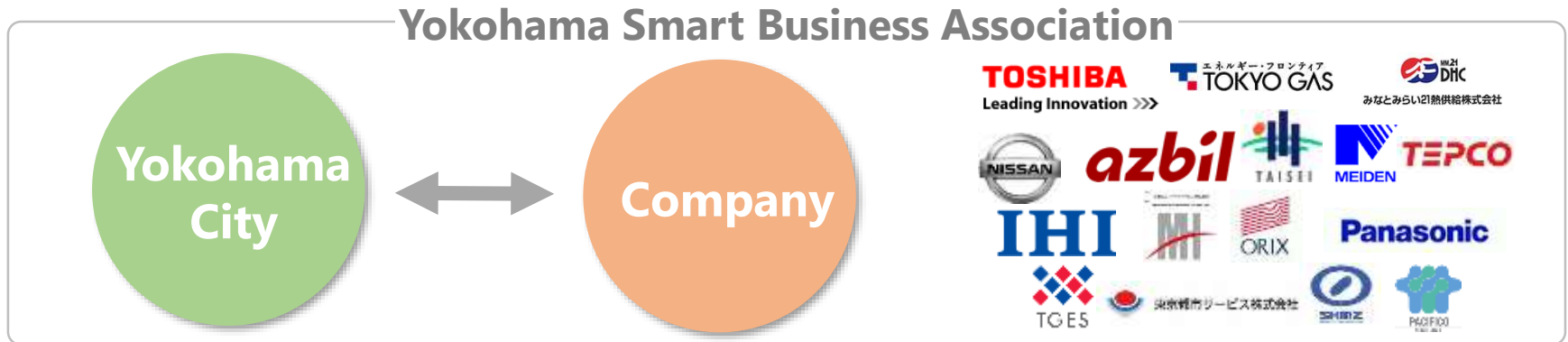
## Yokohama City Action Plan for Climate Change Countermeasures

Revising in 2018

Consider the effectuation of **Paris Agreements**, trends in various countries, etc.

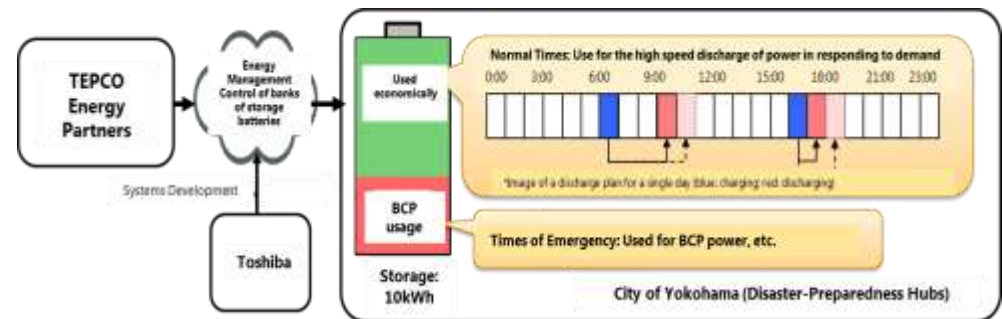
### Goal Zero Carbon Yokohama





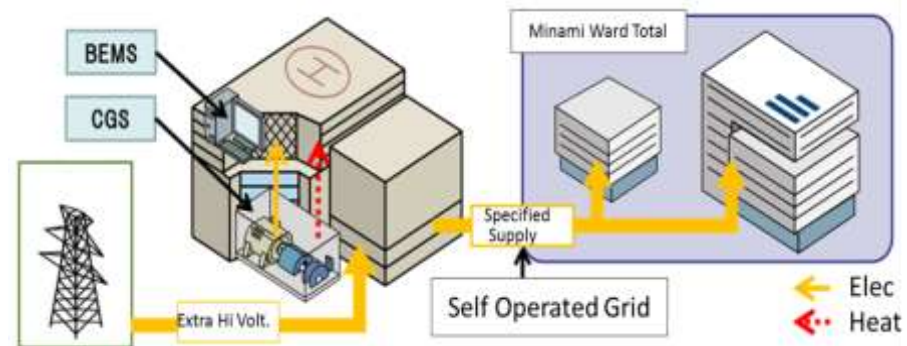
## Constructing Virtual Power Plant

- Control (charge/discharge) batteries installed in schools by using EMS
- Use electricity efficiently and save its consumption



## Energy Circulation between City Hospital and Ward Office

- Establish CGS at City Hospital.
- In 2 facilities, use effectively heat and electricity generated by the CGS by using BEMS





# 1. Energy Management



# 2. Hydrogen



# 3. Raising Awareness



## Day1 (4/24)

### 1) Presentation and Discussion 1

- Overview of Climate Change Countermeasure of 2 cities
- Raising Awareness in cooperation with Private Companies

### 2) Site Visit 1

- Yokohama Minato Mirai 21 District



## Day2 (4/25)

### 1) Presentation and Discussion 2

- Sustainable Commercial Areas in Frankfurt
- About Mainova  
(Regional energy suppliers of electricity, gas, heat and water)
- Energy Management in Yokohama

### 2) Site Visit 2

- Minato Mirai 21 District Heating and Cooling Co., Ltd.



## Day3 (4/26)

### 1) Site Visit 3

- Low-Carbon Hydrogen Supply Chain Demonstration Project  
(using Yokohama City Wind Power Plant)

### 2) Wrap Up





# Cooperation in Raising Awareness Project

Ex. Earth Hour project

