

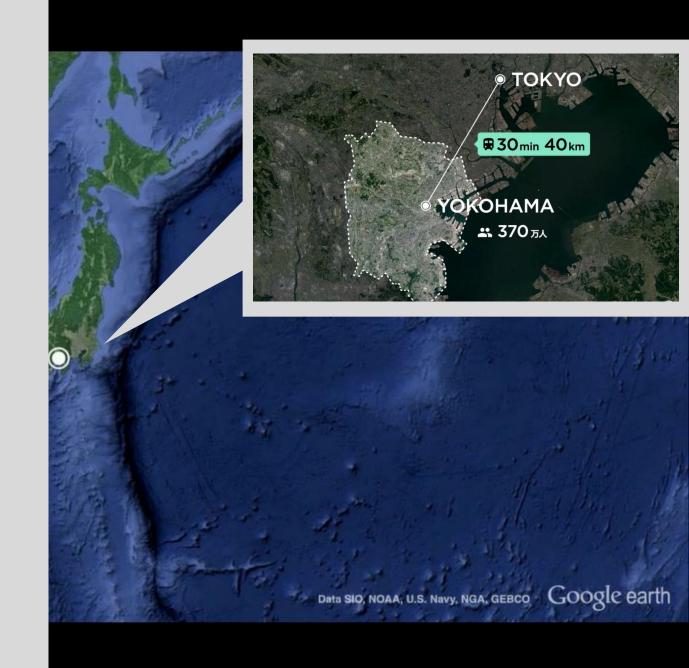
Yokohama, Japan

Population 3,730,000

Number of households 1,646,676

Area 435.21km²

Nominal GDP JPY12.5050 trillion USD 109.6 billion



Yokohama, a City Selected Worldwide



- Ranked No. 1 among cities in terms of the willingness of residents to live there
- (Regional Brand Survey/Brand Research Institute, Inc.)
- Ranked No. 3 in terms of desirable cities in which to live (Desirable Cities in Which to Live 2017/Recruit Sumai Company Ltd.)
- In 2016, a record 81 million people came to the Minato Mirai 21 Area
- Selected as a case study city for the "Sustainable Urban Development Policies in Aging Societies Project" conducted by the OECD
- Awarded a Special Mention at the Lee Kuan Yew World City Prize
- Received an Energy Smart Community Initiative (ESCI) Best Practices Award from APEC
- Won the C40 Cities Award 2016 for "Clean Energy"





Frankfurt and Yokohama – Partner Cities



Leaders' Strong Commitment

Partner City Agreement, 2011



Mayors Participates in ADB Seminar in Frankfurt, 2016



Concrete Actions

Business



Climate Change Countermeasures



Culture and Creative Cities



Youth Exchange



Ms. Fiebig

Yokohama team

Good Practice | Yokohama Smart City Project (YSCP) / "FutureCity" Yokohama

BEMS



Goal (\sim 2013) / Result (2010 \sim 2014) HEMS (Home energy management system) (4,200/4,000) PV (37MW/27MW) EV (2,300/2,000)

Energy Storage SCADA Energy Storage Batteries for Energy Storage **Condominium HEMS** Apartment House HEMS **Demand-Supply Control** SCADA (Toshiba, Mitsui Fudosan Residential, JX-E) (Tokyo Gas, NTT-F, House HEMS (Toshiba, Hitachi, Meidensha, NEC) (Toshiba) NTT Docomo) (Panasonic) Condominium HEMS Energy Storage Batteries (Daikyo-Astage) for Consumers (Sony E, Sharp) House HEMS Collection and Delivery System (Toshiba. (Hitachi, Toshiba) Mitsui Fudosan Residential) FEMS **HEMS** (Meidensha. CEMS Charging Stations (JX-E, NEC, Tokyo Sumitomo (Toshiba, Accenture) Institute of Technology) GDC Electric Industries) FEMS (Nissan) **CEMS** Comprehensive BEMS (Toshiba) Smart BEMS (Toshiba, Taisei Corp.) Smart BEMS Chargeable and Dischargeable EVs Office Building BEMS (Nissan, Hitachi, ORIX, ORIX Auto Corp.) JGC Information Systems) (Toshiba, Marubeni, Smart BEMS Mitsubishi Estate, Mitsui Fudosan) Smart BEMS (Meidensha, NEC) (Shimizu Corp.)



- 1. Energy Management
- 2.Hydrogen
- 3. Raising Awareness