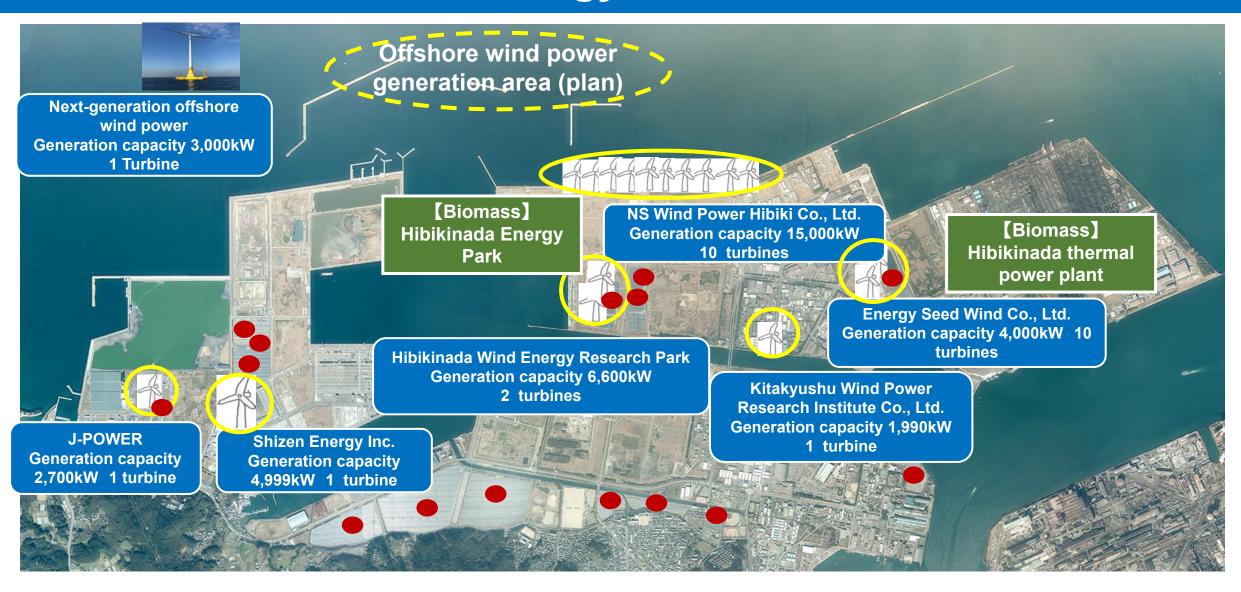


We have 3 Factors for Sustainable Society (Low Carbon Resources Recycling Harmonious Coexistence with Nature)



Renewable Energy in Hibikinada Area



Power Scale of Kitakyushu City

Energy of Kitakyushu City accounts for about 1% of Japan, and about 10% of Kyushu region

Generation Sources Generation capacity Ratio

Thermal power 2,900,000kW 83%

Biomass power (Including mixed fuel firing of coal) 270,000kW

Solar power 300,000kW

Wind power 38,000kW (1st place in government-designated city)

Hydropower 1,000kW

Renewable Energy 17%

Total

3,509,000kW

About 60% (380,000 kW) of the renewable energy produced in Kitakyushu City is from the Hibikinada area.

Kitakyushu Citizens' Solar Power Plant

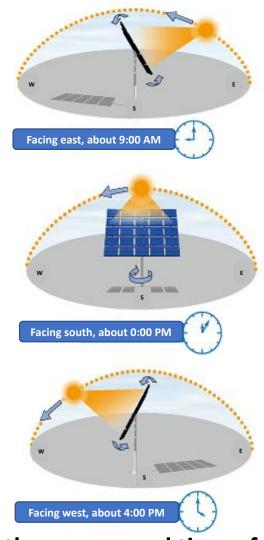
Start of electric power sales on September 1, 2013



Profits are returned to the public to pay for greening and community activities.

Tracking Photovoltaic System





- Solar panels automatically track the sun and change direction depending on the season and time of day
- Generates approximately 1.4 to 1.5 times more electricity than stationary types (according to a comparison by the Kitakyushu Eco-Town Network)

Biomass and Coal Mixed Firing Power Plant



Hibikinada Thermal Power Station
(Hibikinada Thermal Power Station co., Itd.)
Generation capacity: 112,000kW



Hibiki Coal and Biomass Power Station (Hibikinada Energy Park LLC.) Generation capacity:112,000kW

- Fuels are coal and woody biomass fuel (wooden pellets / wood chips)
- CO₂ reduction of up to 30% per year compared to coal-fired plants

Japan's very first large-scale offshore wind power generation project



Kitakyushu Hibiki-nada Offshore Wind Farm

Construction will start in FY2022 and is slated for completion in FY2025

[Hibiki Wind Energy Co., Ltd.]

- Kyuden Mirai Energy Company, Incorporated
- Electric Power Development Co., Ltd.
- Hokutaku Co., LTD
- Saibu Gas Co. Ltd.
- KYUDENKO CORPORATION

[Overview]

generating capacity	9,500kW × 25units
Total height	About 200m
Rotor diameter	174m (blade length87m)
manufacturer	MHI Vestas Offshore Wind A/S

On a scale equivalent to the annual electricity consumption of approximately 170,000 households

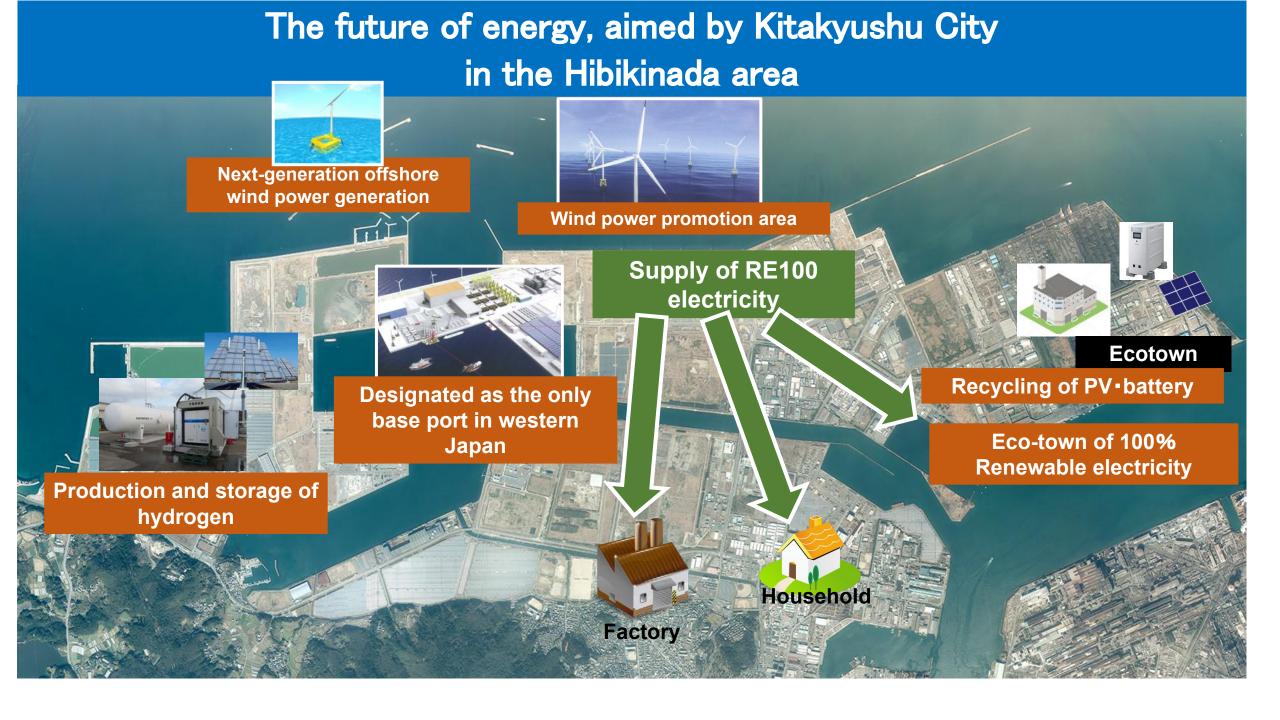
Next-generation Offshore Wind Power Generation System "Hibiki"



Potential & Future of the Hibikinada Area

- Renewable energy cluster, energy hub in northern Kyushu
- The amount of renewable energy introduced in the Hibiki-nada area accounts for more than 60% of the city's renewable energy
- Japan's first large-scale offshore wind power project (approx. 220,000 kW). Construction slated for completion in FY 2025
- Designated by the Ministry of Land, Infrastructure, Transport and Tourism as the only base port in western Japan in September 2020
- Demonstration project for the production of CO₂-free hydrogen using renewable energy in the Hibikinada area (Planned until FY 2022)
- Kitakyushu aims to achieve the creation of Japan's first 100% renewable energy Eco
 -Town, using as many renewable energy sources in the Hibikinada area as possible.
- Kitakyushu aims to use 100% renewable energy to power all public facilities in the city

 (by 2025).



Kitakyushu Eco-Town Center



- Supports the Eco-Town Project, observation tours and visitors to Energy Park, and environmental learning
- Main building: Displays and showcases environmental and recycling technologies and products from companies and research institutes located in Eco-Town
- Annex: Displays and showcases technologies and products from local environmental companies, and introduces the Next Generation Park









Thank you for your attention



General Incorporated Association Kitakyushu Ecotown Network