

# Domestic and Overseas Business Development

## The J-POWER Group's Domestic and Overseas Business Development

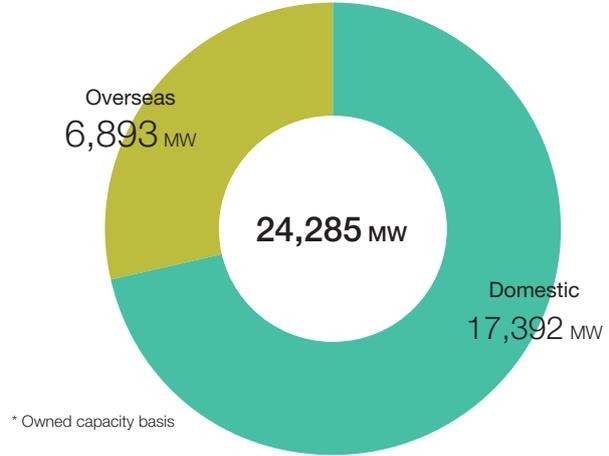
Since its foundation in 1952, the J-POWER Group has developed power generation facilities in and outside Japan. As of March 2020, these power generation facilities have grown to a capacity of approximately 24 GW, of which domestic power generation facilities account for around 17 GW (owned capacity basis) and overseas facilities for 7 GW (owned capacity basis).

In Japan, the Group has renewable energy facilities (including hydroelectric, wind and geothermal) and thermal power generation facilities in a total of 97 locations nationwide.\* Furthermore, the Group has electric power transmission and substation facilities, including cross-regional interconnection lines and a frequency converter station, supporting part of the wide-area power distribution network.

Overseas, the Group has been engaged in the overseas consulting business for more than 50 years, with a track record of 361 projects in 64 countries and regions. We entered the overseas power generation business in earnest in 2000. Today, we have commenced operations at power generation facilities in five countries and regions, including Thailand, other Asian countries, and the United States.

\* Power generation facilities of the Electric Power Business

The J-POWER Group's Consolidated Power Generation Capacity \*



\* Owned capacity basis

(As of March 31, 2020)

### Power Generation Capacity in Operation (Owned Capacity Basis)

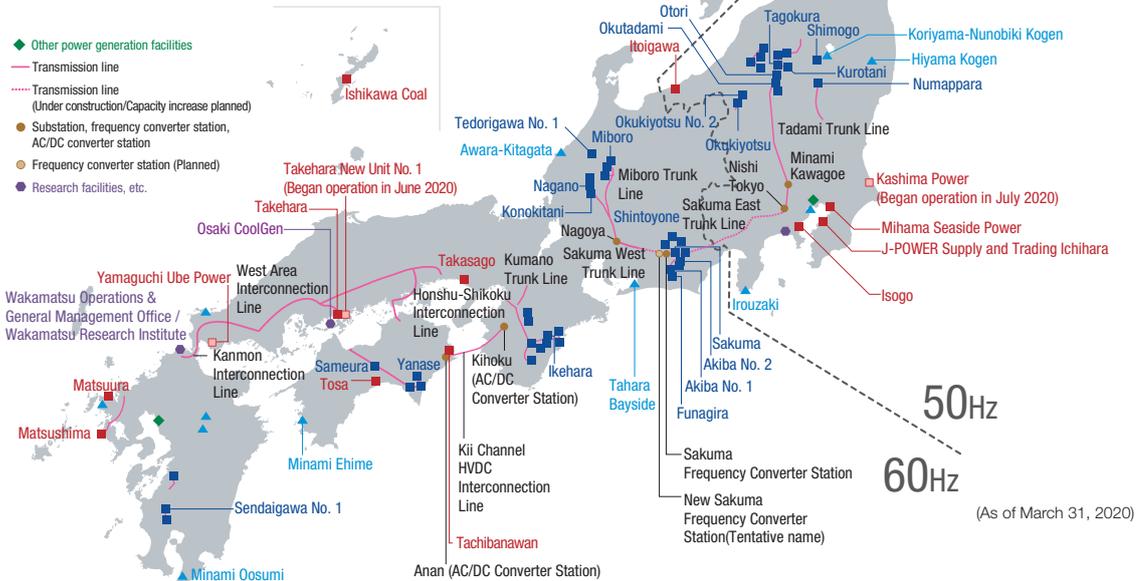
Domestic	97 locations	17,392 MW
Hydroelectric Power	60 locations	8,560 MW
Thermal Power	12 locations	8,278 MW
Wind Power	24 locations	531 MW
Geothermal Power	1 location	23 MW

### Transmission and Transformation Facilities

Transmission Lines	2,404.6 km
AC power transmission lines	2,137.4 km
DC power transmission lines	267.2 km
Substations	4 locations 4,301 MVA
Frequency Converter Station	1 location 300 MW
AC/DC Converter Stations	4 locations 2,000 MW
Wireless Communication Facilities (circuit length)	5,833 km

### Main Facilities

- Hydroelectric power plant
- Hydroelectric power plant (Under construction/Planned)
- Thermal power plant
- Thermal power plant (Under construction/Planned)
- Nuclear power plant (Under construction)
- Geothermal power plant
- Geothermal power plant (Under construction)
- ▲ Wind power farm/plant
- ▲ Wind power farm/plant (Under construction)
- ◆ Other power generation facilities
- Transmission line
- Transmission line (Under construction/Capacity increase planned)
- Substation, frequency converter station, AC/DC converter station
- Frequency converter station (Planned)
- Research facilities, etc.

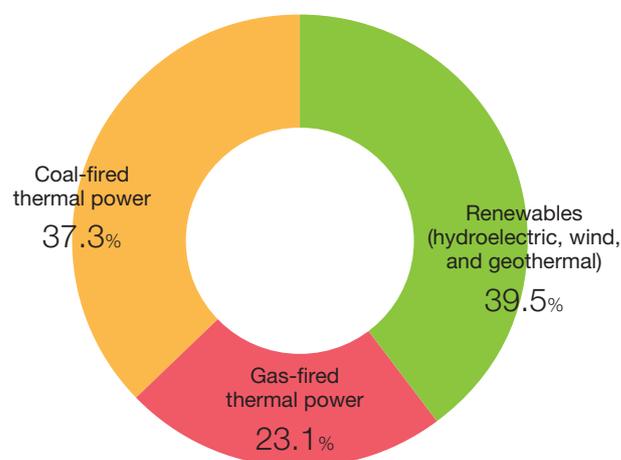


(As of March 31, 2020)

## The J-POWER Group's Energy Mix

Renewable energy accounts for about 40% of the J-POWER Group's global power generation capacity, gas-fired thermal power for about 20%, and coal-fired thermal for about 40%. The Group maintains a well-balanced energy mix that is not over-reliant on any one power source.

The J-POWER Group's Global Energy Mix



(As of March 31, 2020)

### Overseas Power Generation Business

● In operation	5 countries/regions	34 projects	6,893 MW (owned capacity)
● Of which: Majority owned projects	1 country	9 projects	2,376 MW (owned capacity)
○ Under construction/development	3 countries	4 projects	2,182 MW (owned capacity)

### Overseas consulting service projects

64 countries/regions 361 projects

### Europe

#### Overseas power generation business

Under construction  
1 country; 1 project; 214 MW

#### Consulting service projects

14 countries; 21 projects

### Asia

#### Overseas power generation business

In operation  
4 countries/regions; 4,877 MW  
Under construction  
1 country; 1 project; 680 MW

#### Consulting service projects

21 countries/regions; 248 projects

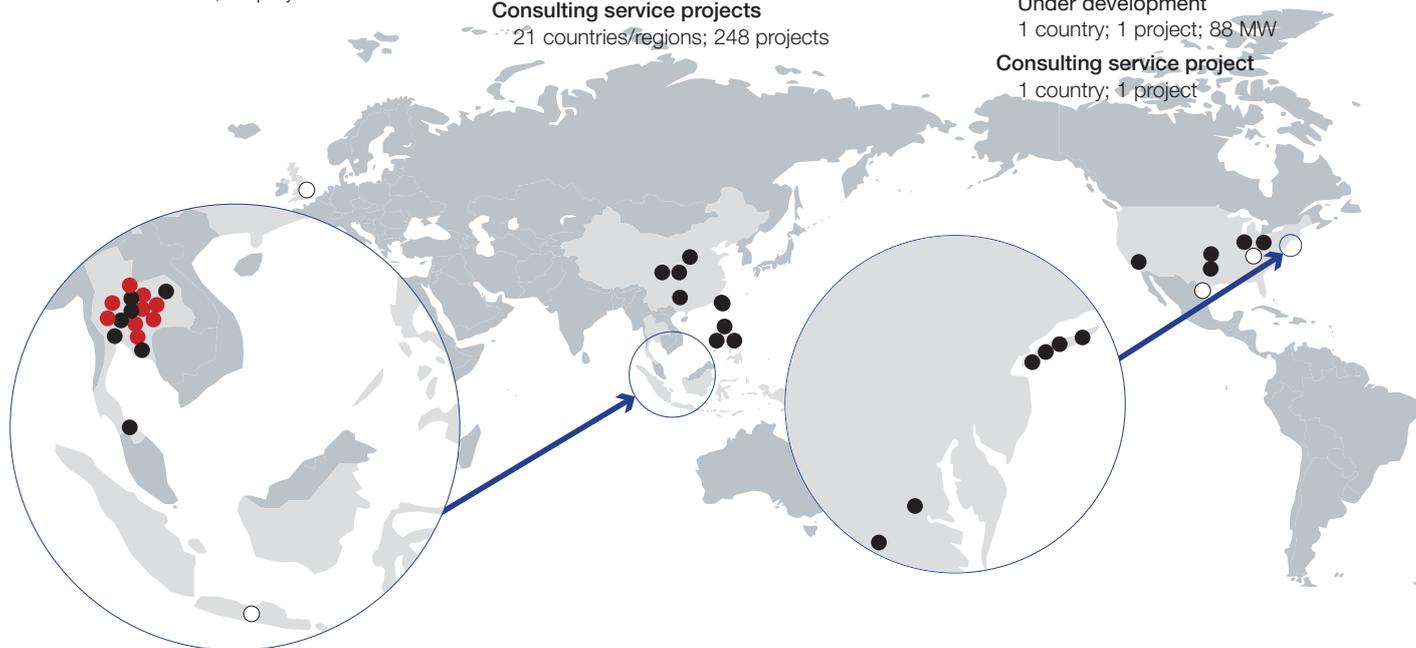
### North America

#### Overseas power generation business

In operation  
1 country; 2,016 MW  
Under construction  
1 country; 1 project; 1,200 MW  
Under development  
1 country; 1 project; 88 MW

#### Consulting service project

1 country; 1 project



### Middle East/Africa

#### Consulting service projects

15 countries; 42 projects

### Central and South America

#### Consulting service projects

13 countries; 49 projects

(As of March 31, 2020)