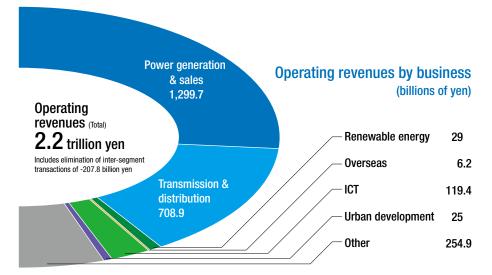
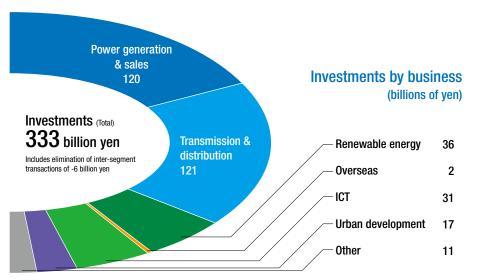
Business Snapshot of the Kyuden Group

# **Business Snapshot of the Kyuden Group**

In addition to the Domestic Electricity Business, the Kyuden Group has been promoting growth businesses as a united Group, including the renewable energy, overseas, ICT service, and urban development businesses.





Note: FY2022 results. In addition, the breakdowns and totals may not match due to rounding

Domestic

Electricity

Business

**Growth Businesses** 

(excl. domestic

electricity

business

### Power Generation & Sales

P27

Work on achieving the optimal energy mix from the viewpoint of S + 3E. Accelerate efforts to position renewable energy as a main power source and use nuclear power to its full potential toward achieving carbon negativity as soon as possible, along with offering rate plans based on customer needs.

Elec, generated and received: 100.8 billion kWh Electric power sales: 96.0 billion kWh Number of customers: 7.84 million Generation capacity: 15.980 MW Power generation facilities: 153 locations



#### (Data for which no date is specified are actual results for FY2022)

Transmission & Distribution

Deliver a stable supply of energy generated at power plants to our customers. Work to reduce power outage incidents and improve the quality of our electricity through efficient facility formation and proper maintenance, as well as expanding the adoption of renewable energy.

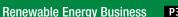
Transmission lines: 11.223 km Distribution lines: 144.198 km Interconnected renewable energy: 15,820 MW

Substations: 653 locations

Power outages frequency: 0.15 times/household Power outages duration: 115 mins/household

(when excluding typhoons and other disasters

frequency is 0.04 times and duration is 3 mins per household)



Expand our capacity to provide a one-stop solution for the development. management, and sale of five sources of renewable energy with Kyuden Mirai Energy at the center. Promote the development of renewable energy both domestically and overseas, including geothermal and hydro, which are our strengths, and offshore wind power, which has great future potential

Renewable energy developed: 2,610 MW Installed capacity geothermal: 220 MW (approx. 40% of the entire country)



## **Overseas Business**

P33

Expand our energy-related businesses globally by leveraging knowledge and expertise accumulated through our Domestic Electricity Business. With Kyuden International at the center, promote the further expansion of areas and business domains with an eye on future market expansion.

Overseas equity output: 2,840 MW Overseas development areas: 15 countries/regions

Refer to P05



### **ICT Service Business**

Offer ICT services by making use of technologies accumulated through operating and maintaining highly reliable telecommunications networks and information communication systems to support a stable power supply. Promote initiatives to support the increase in demand as society digitalizes increasingly.

Optical internet service (BBIQ): 476,000 lines

- Awarded 1st place for 7 consecutive years by J.D. Power customer satisfaction survey (Kvushu area)
- •14% share in Kyushu Optical fiber cables: 131,562 km Data center rack capacity: 2,500 racks



### **Urban Development Business**

Expand the urban development, real estate, and social infrastructure businesses by leveraging knowledge and expertise accumulated through our business activities to date, including in the energy, real estate development, PFI, and ICT sectors. Promote initiatives while leveraging synergy with the electricity business.

#### Main projects

- Shopping Park LaLaport Fukuoka opened in April 2022
- Kumamoto Airport privatization: new passenger terminal building opened for public use in March 2023
- · Development of ESG-friendly rental housing in the U.S. (joined in May 2022)
- · Logistics distribution facility project in Kasuya, Fukuoka (operations scheduled to begin in August 2024)

### **Other**

Expand businesses that contribute to the stable supply of power, including the design, construction, maintenance, repair, and operation of various plants. along with businesses that respond to various energy-related needs, such as gas and LNG sales businesses. Moreover, work on businesses that support the lifestyles and economic activities of customers, including paid elderly nursing homes, outsourced administrative services, and temporary staffing

Notes: 1. Numerical values indicate output in kW

2. Includes Kyushu T&D facilities

Shin-Yoron 6,700 Yoron 2,210

1 Overview of the Kyuden Group

Business Snapshot of the Kyuden Group

With our aim of "Kyuden Group: Creating the future, starting from Kyushu," we are continually taking on the challenge of developing our business areas across Kyushu, Japan, and the world.

Power supply facilities in Japan (Kyushu area) Overseas development areas (As of March 31, 2023) ■ IPPs investment projects (as of the end of FY2022) Consulting (last 1-2 years) Power generation facilities Bahrain Uzbekistan Hydroelectric power Kyushu main island 139 locations 3,589 MW Tsushima Sasuna 5,100 To The Chugoku (including pumped storage) Surro Al Dur 1 (gas) Syrdarya (gas) Hsin Tao (gas) Westmoreland (gas) Kleen Energy (gas) Electric Power Co., Inc. Thermal power 6 locations 8.035 MW Total output: Approx. 1.600 MW 600 MW Total output: 620 MW 50.000 1,200,000 Total output: Approx. 1.234 MW Total output: Total output: 940 MW Geothermal power 6 locations 214 MW Ashibe 15,000 Equity output: Approx. 244 MW Equity output: Approx. 230 MW Equity output: 126 MW (including binary) Equity output: 199 MW Equity output: 118 MW Shin-lki 24,000 Internal combustion 28 locations 363 MW (including gas turbines) 2 locations 4,140 MW Cape Verde **Philippines** Nuclear power Genkai NPS 2,360,000 Wind power 0.3 MW Matsuura **•** Introduction of a hybrid Inner Mongolia (wind) South Field Energy (gas) PowerSource Group Total ( Kyushu EP and Kyushu T&D 187 locations 16,345 MW power system Total output: 50 MW Total output: 1,182 MW Takigami 27,500 Microgrid project Equity output: 15 MW Equity output: 214 MW Tenzan Otake 14,500 Shin-Oita 600,000 Hatchoubaru 110,000 Hatchoubaru Binary 2,000 100 Tsukabaru 67.050 PetroGreen Energy Morotsuka 50,000 1,400,000 Corporation Ohira 500,000 Total output: 80 MW China Omarugawa 1,200,000 Equity output: Uzbekistan 20 MW U.S. Hitotsuse 180,000 Egypt Marshall Islands Oyodogawa Daini UAE Koshikishima 250 Koshikijima Daiichi Cuba Bahrain Support for constructing 13,250 Oyodogawa Daiichi 55,500 Mexico 🌘 Sendai NPS Thailand Vietnam solar power systems Kuchinoshima 220 Cane Verde 1.780.000 Phillippines Singapore Marshall Islands Kenva Indonesia Suwanoseiima 220 ▲ Yamagawa 30,000 Kuroshima 320 Akusekijima 190 Tokara Islands Tanegashima Daiichi Phu My III (gas) 16,500 Kodakarajima 150 Tanegashima Total output: 744 MW Hydroelectric power 300 Subsea direct current Shin-Tanegashima Equity output: 199 MW station (over 50,000 kW) Takarajima 24.000 transmission Pumped-storage power Tatsugo 60,000 Kikaiiima Cuba Thermal power station Naze 21,000 **Thailand** Egypt Shin-Kikai 11.700 Nuclear power station · Power supply improvement plan Birdsboro (gas) Amamioshima · Upgrades to thermal power Taweelah B (gas) · Electricity master plan Geothermal power station plant equipment Total output: 488 MW Total output: 2.000 MW · Battery storage training Total output: 6,200 MW Support for constructing solar Equity output: 41 MW Internal combustion power Equity output: 120 MW Kvushu T&D power systems Equity output: 380 MW station Wind power station (Listed in blue) Major substations and Kenya switching stations Tokunoshima Indonesia Singapore Mexico 500 kV transmission lines Okinoerabujima ·Study on introducing IoT technology at geothermal 220 kV transmission lines Amami Islands Shin-China 22,500 Sarulla (geothermal) Senoko Energy (gas) Tuxpan II & V (gas) Persistent Energy Capital LLC power plants Kyushu Electric Power Strengthening of geothermal power plant First business participation in Africa Other companies' facilities Total output: 330 MW Total output: 2,382 MW Total output:  $495 \text{ MW} \times 2$ operation and maintenance capacities Yorontou · Contributing to supplying power to regions

Strengthening of power grid technology capacities

Equity output: 83 MW

Equity output: 357 MW

Equity output: 248 MW × 2

without electricity