



News Release

January 29, 2024  
Electric Power Development Co., Ltd.

## Thailand: EGCO Cogen Gas Cogeneration Power Plant Begins Commercial Operation

### J-POWER's first power plant replacement project in Thailand

EGCO Cogeneration Company Limited (“EGCO Cogen”), a joint power generation company from Electric Power Development Co., Ltd. (headquartered in Chuo-ku, Tokyo; President: Hitoshi Kanno, “J-POWER”) and Electricity Generating Public Company Limited (“EGCO”), has completed replacement construction for the EGCO Cogen Gas Cogeneration Power Plant (74,000 kW, the “power plant”) in Thailand. Commercial operation began on January 28, 2024. This is J-POWER's first power plant replacement project in Thailand.

J-POWER's equity interest in EGCO Cogen began in 2001 (announced on March 15, 2001). The original power plant started operation in January 2003, wholesaling electricity to the Electricity Generating Authority of Thailand (“EGAT”) based on Thailand's SPP Program, which guarantees power purchases from small power producers. Electricity and steam were also sold to neighboring industrial users. However, the existing Power Purchase Agreement (PPA) with EGAT and industrial users expired in January 2024, so EGCO Cogen signed new PPAs and used this replacement project to meet these commitments.



EGCO Cogen Gas Cogeneration Power Plant

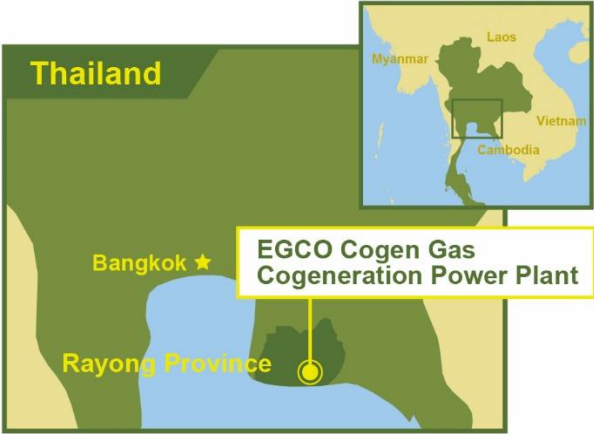
The upgraded gas cogeneration power plant will continue selling electricity and steam to EGAT and industrial users while improving energy efficiency by introducing the latest technology and contributing to societal decarbonization by reducing greenhouse gas emissions.

J-POWER, guided by the medium-term management plan announced in April 2021, intends to ensure a consistent supply of electricity while reducing environmental impact in Thailand, and will further expand the business foundation in this country by acquiring new projects.

1. Overview of the New Power Plant

Company name	EGCO Cogeneration Company Limited
Location	Rayong Industrial Park, Rayong Province, Thailand (about 200 km southeast of Bangkok)
Capacity	74,000 kW, steam 35 t/h (Cf: original electricity plant: 112,000 kW; steam: 30 t/h)
Generation type	Gas combined cycle power generation
Shareholders	EGCO 80%; J-POWER 20%
Customers	Electricity Generating Authority of Thailand (EGAT) and industrial users (IUs) near the power plant

2. Location



Attachments: List of J-POWER's Overseas IPP projects

List of J-POWER's Overseas IPP Projects  
(Currently operational projects)

Country/ Region	Project Name	Power Generation Method	Capacity (MW)	J-POWER Investment Ratio (%)	Owned Capacity (MW)
United States (11 Projects)			6,402		2,511
	Frontier	Gas (Combined Cycle)	830	31.0	257
	Elwood Energy	Gas (Simple Cycle)	1,350	50.0	675
	Green Country	Gas (Combined Cycle)	795	50.0	398
3 Eastern Gas Thermal Plants	Pinelawn	Gas (Combined Cycle)	80	50.0	40
	Equus	Gas (Simple Cycle)	48	50.0	24
	Fluvanna	Gas (Combined Cycle)	885	15.0	133
2 Long Island Thermal Plants	Edgewood	Gas (Simple Cycle)	88	50.0	44
	Shoreham	Jet Fuel (Simple Cycle)	90	50.0	45
	Orange Grove	Gas (Simple Cycle)	96	50.0	48
	Westmoreland	Gas (Combined Cycle)	940	25.0	235
	Jackson	Gas (Combined Cycle)	1,200	51.0	612
Thailand (14 Projects <sup>*1</sup> )			5,563		3,124
	Roi-Et	Biomass (Chaff)	9	24.7	2
	EGCO Cogen	Gas (Combined Cycle)	74	20.0	15
	Yala	Biomass (Rubber Wood Waste)	20	49.0	10
	Kaeng Khoi 2	Gas (Combined Cycle)	1,468	49.0	719
	7 SPP	Gas (Combined Cycle)	790	57.7	456
	Nong Saeng	Gas (Combined Cycle)	1,600	60.0	960
	U-Thai	Gas (Combined Cycle)	1,600	60.0	960
	Rooftop Solar (3 projects)	Solar	2.4	60.0	1.4
China (4 Projects)			12,198		1,153
	Hanjiang (Xihe / Shuhe)	Hydropower	450	27.0	122
	Gemeng	Coal, Wind, Solar, Hydro (Pumped-storage)	9,658	7.0	676
	Hezhou	Coal	2,090	17.0	355
Philippines (4 projects <sup>*1</sup> )			753		374
	Caliraya	Hydro	23	50.0	11
	Botocan	Hydro	21	50.0	10
	Kalayaan	Hydro (Pumped-storage)	685	50.0	342
	Lake Mainit	Hydro	25	40.0	10
Australia (3 projects)			150		12
	Kidston Stage 1	Solar	50	7.7	4
	Jemalong Solar	Solar	50	7.7	4
	Bouldercombe	Storage	50	7.7	4
United Kingdom (1 project)			857		214
	Triton Knoll	Wind (Offshore)	857	25.0	214
Indonesia (1 project)			2,000		680
	Batang	Coal	2,000	34.0	680
Total <sup>*1</sup> (7 countries)			27,924		8,067

(Projects under construction / development)

Country/ Region	Project Name	Power Generation Method	Capacity (MW)	JPOWER Investment Ratio (%)	Owned Capacity (MW)
United States					
	Refugio	Solar	400	25.0	100
Australia					
	Kidston Stage-3 Wind	Wind (Onshore)	258	53.9 <sup>*2</sup>	139
	K2-Hydro	Hydro (Pumped-storage)	250	7.7	19
	Bulli Creek	Solar and Storage	2,000	53.9 <sup>*2</sup>	1,077
Thailand					
	Rooftop Solar (GJP1) (6 projects)	Solar	8.8	60.0	5.3
	Rooftop Solar (EGCO Cogen) (1 project)	Solar	2.4	20.0	0.5
Philippines					
	Bulanog Batang	Hydro	34	40.0	13

\*1. Because of the rounding, the total MW does not match the sum of each project's MW.

\*2. J-POWER owns 50% stake of the project, and with its 7.7% stake in Genex Power Limited, J-POWER's overall stake is 53.9%.