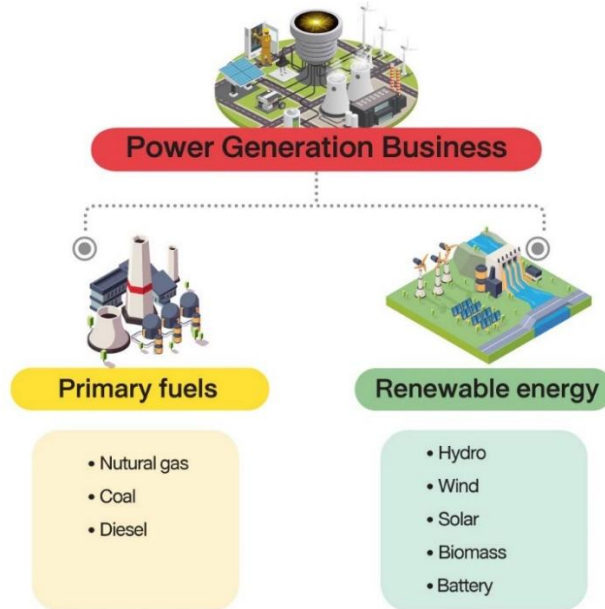




















## Electricity Generation:



Electricity generation is the Company's core business. Its power plants, located in Thailand and overseas, generate electricity from fossil fuels and renewable energy. The equity installed capacity totals 10,814.83 MW\* (as of 31 December 2024).

\*Note: Equity capacity may be changed due to investment.

Classified by fuel source		Classified by development stage	
Fossil fuels	Renewable energy	Operating	Under construction and development
7,842.61 MW (72.52%)	2,972.22 MW (27.48%)	9,056.13 MW (83.74%)	1,758.70 MW (16.26%)
 Natural gas = 6,213.18 MW  Coal = 1,629.43 MW	 Solar power = 362.11 MW  Wind power = 1,643.35 MW  Hydro power = 844.93 MW  Biomass = 11.83 MW  Battery Energy Storage System = 110.00 MW	 Natural gas = 5,808.48 MW  Coal = 1,629.43 MW  Solar power = 125.11 MW  Wind power = 891.75 MW  Hydro power = 589.53 MW  Biomass = 11.83 MW	 Natural gas = 404.70 MW  Solar power = 237.00 MW  Wind power = 751.60 MW  Hydro power = 255.40 MW  Battery Energy Storage System = 110.00 MW

## Power plants' Availability and Reliability performance in 2024

Power Plant	Equivalent Availability Factor (EAF)		Reliability Factor (RF)	
	Target	Performance	Target	Performance
Ratchaburi Thermal Unit 1	100.00	100.00	100.00	100.00
Ratchaburi Thermal Unit 2	100.00	100.00	100.00	100.00
Ratchaburi Combined Cycle Block 1	80.17	84.17	93.44	98.11
Ratchaburi Combined Cycle Block 2	91.14	95.87	93.44	98.28
Ratchaburi Combined Cycle Block 3	89.15	95.53	92.96	99.61
Hin Kong Unit 1	99.22	96.84	99.22	96.84
RATCH Cogeneration	96.20	92.03	unspecified	
Berkprai Cogeneration	97.09	97.50	98.83	99.26
Nava Nakorn Electricity	98.12	98.44	unspecified	
RATCH Energy Rayong	93.66	93.94	unspecified	93.74
Ratch Pathana Energy	99.88	99.70	99.80	99.53