

Gas Turbine Cogeneration System

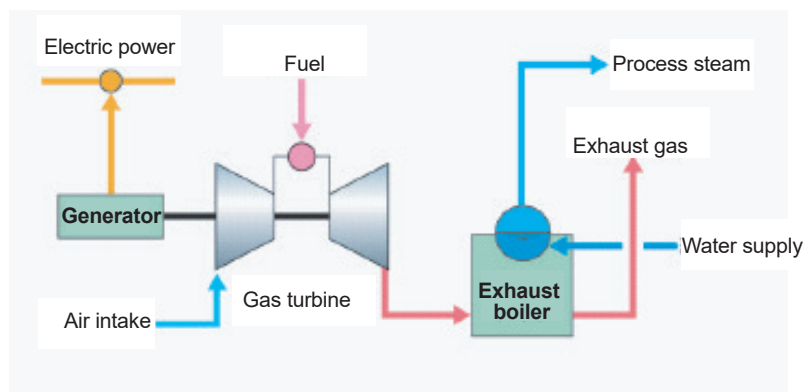
Features

- ◆ The driving source is a 100 % Japanese-made gas turbine.
- ◆ Reduction in NOx emission with the use of a low emission DLE (dry low emission) combustor
- ◆ Contribution to energy saving with the high overall efficiency
- ◆ A wide variety of product lineups with a wide variety of system variations and output from 1,700 kW to 30,000 kW

Model	GPB17D	GPB50D	GPB80D	GPB180D	GPB300D
Gas turbine model	M1A-17D	M5A-01D	M7A-03D	L20A-01D	L30A-01D
Power generation output (kW)	1770	4645	7610	17530	32160

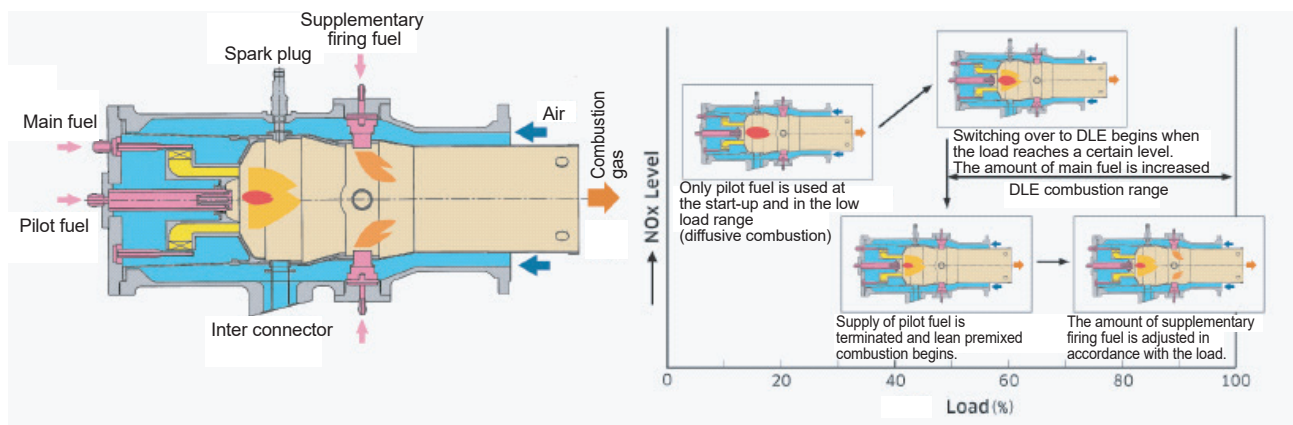
Basic Concept or Summary

A cogeneration system is a system supplying multiple types of secondary energy (electricity, steam, etc.) continuously by driving a gas turbine with primary energy (fuel).

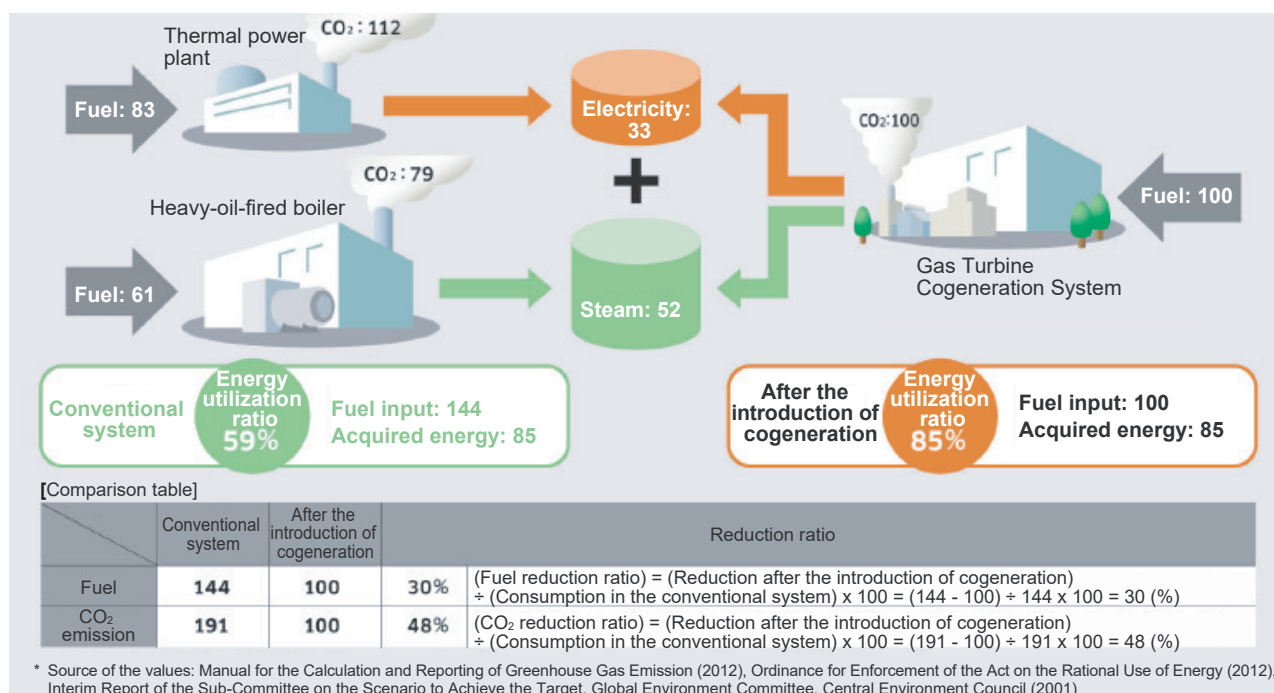


It is possible to reduce the emission of NOx with the use of DLE combustors.

Outline of DLE combustor



An example of the effects of energy saving and reduction in CO₂ emission with an 8 MW-class gas turbine cogeneration system (PUC80D)



Installation in Practice or Schedule

Domestic Orders for the cogeneration systems received from Japanese clients: number of deliveries: 431 units (as of the end of March 2021)

Overseas Orders for the cogeneration systems received from Japanese clients: number of deliveries: 407 units (as of the end of March 2021)

Contact: **Kawasaki Heavy Industries, Ltd.,**
 Energy Solution & Marine Engineering Company
 Tel: +81-3-3435-2211 Fax: +81-3-3435-2022
 URL: <http://global.kawasaki.com/>