Hydrogen mixed-fuel gas turbine power generator

Hydrogen mixed-fuel gas turbine power generator can perform without modifying the gas turbine itself from a conventional gas turbine for natural gas, and CO₂ emissions during power generation can be reduced by approximately 10% while maintaining almost the same power generation efficiency.

*Hydrogen fuel system and fuel mixing equipment are necessary to add.

Product Description

This gas turbine generator equipped with hydrogen mixed-fuel DLE* combustor based on our proven M7A-03D Model.

*Abbreviation for Dry Low emission, method for reducing NOx emission by controlling combustion temperature low regardless of injection of water or steam.

Features

- Small and medium gas turbines
- It can be co-fired at any ratio of 0–30vol% hydrogen

Equivalent to approximately 4000 ton CO₂ per year*

Main burner
(Lean premixed combustion)

Supplemental burner
(Supplemental combustion)

DLE combustor

Hydrogen/Natural gas

Continuous operating time:
8640 hour per year