

Outline of Gas Turbine Power Generation Equipments

(1) Equipment Outline

Location: 9 Touwada, Kamisu City, Ibaraki Prefecture

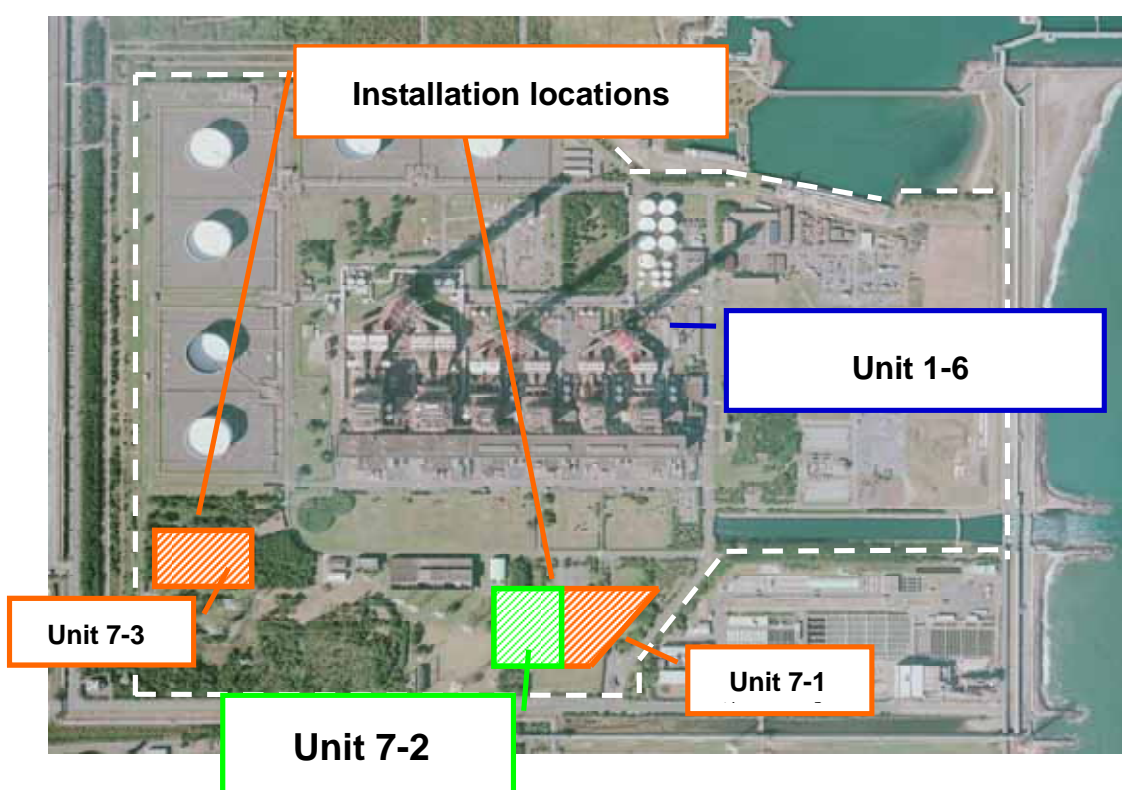
Power output: 268MW x 3 units

Type: Gas turbine power generation equipment (1,300 grade)

Fuel: City gas

Operation schedule: All units will start commercial operation by the end of July 2012

(2) Installation Map



< Reference > Comparison with combined cycle power generation equipment

	Current	Combined cycle style
Power generation method	1,300 grade gas turbine	1,300 grade combined cycle
Power output	804MW (268MW x 3)	1,248MW (416MW x 3)
Thermal efficiency	37.1%	Approx. 57%
Operational Commencement	By the end of July 2012	By the end of July 2014

End