

Outline of Gas Turbine Power Generation Equipments

(1) Equipment Outline

Location: 9 Touwada, Kamisu City, Ibaraki Prefecture

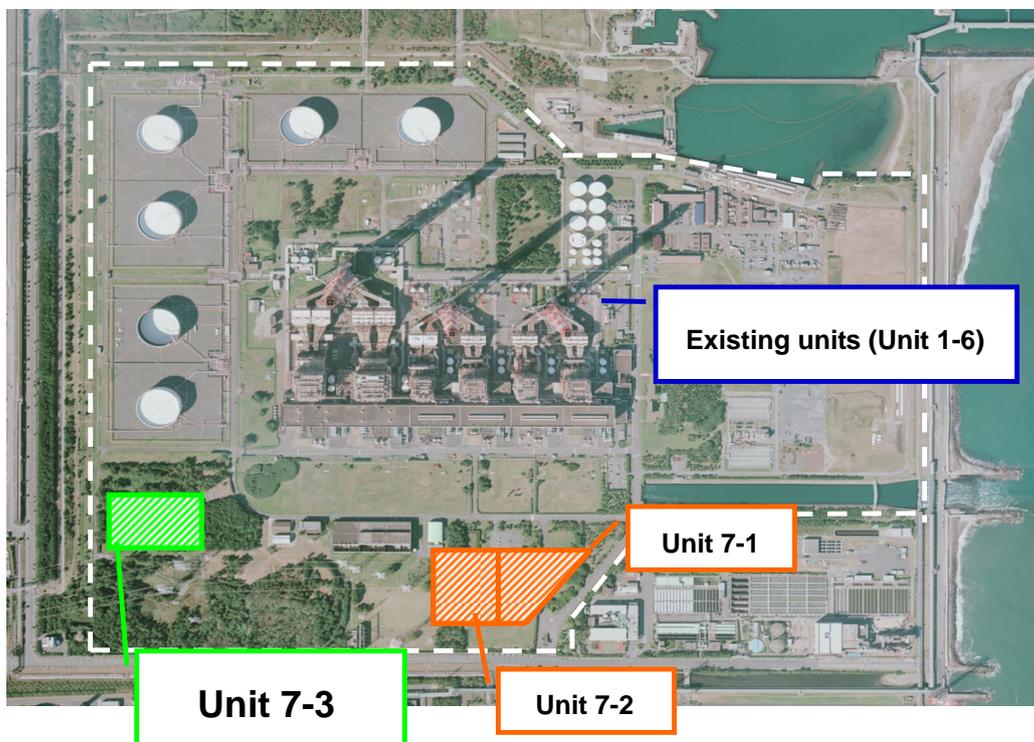
Power output: 268MW x 3 units

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

Fuel: City gas

Operation commencement dates: June 29, 2012 (1st unit), July 12, 2012 (2nd unit), July 19, 2012 (3rd unit)

(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 | All units in operation | By the end of July 2014 |

End