

# SPECIFICATIONS



470 MW 2005 Used GT 13E2 Dual  
Fuel (Natural Gas, Diesel Oil)  
Combined Cycle Power Plant

# 470 MW 2005 Used GT 13E2 Dual Fuel (Natural Gas, Diesel Oil) Combined Cycle Power Plant

## Description

This is a 470 MW used combined cycle power plant built around GT 13E2 gas-turbine units configured for dual-fuel operation (natural / pipeline gas and diesel oil). The plant's design emphasizes operational flexibility: it can run on low-cost gas when available and switch to diesel oil as a backup or during gas interruptions. Typical plant scope includes the GT 13E2 turbine modules, fuel supply & conditioning systems for both gaseous and liquid fuels, medium/high-voltage switchgear, balance-of-plant auxiliaries (lube oil, cooling, compressed air), controls & SCADA, and emissions / exhaust treatment equipment as required by permits.

### KEY FEATURES:

- **Dual-fuel capability:** Designed for seamless operation on fuel gas (primary) and diesel oil (secondary) with automated switchover.
- **Emissions compliance:** Exhaust treatment provisions (e.g., dry low NOx burners or SCR provision depending on original spec) and stack systems sized for permitted limits.

### ADVANTAGES:

- **Lower footprint & quicker commissioning:** Compared with larger combined-cycle plants, simple gas turbine installations require less civil works and can return to service faster after outages.
- **Fast dispatch and ramping:** Gas turbine technology enables relatively rapid start-up and load changes vs. steam plants — valuable for peaking, reserve or grid-support roles.

|                                   |                         |
|-----------------------------------|-------------------------|
| Manufacturer                      | Alstom                  |
| Model                             | GT 13E2                 |
| Year                              | 2005                    |
| Condition                         | Used                    |
| Location                          | Asia                    |
| Qty Available                     | 2 Units                 |
| Category                          | Natural Gas Turbines    |
| Subcategory                       | > 99 MW                 |
| Stock Number                      | USP010818               |
| Wattage                           | 470 MW                  |
| Hours                             | 25000; 28000            |
| Frequency                         | 50 Hz                   |
| Fuel Type                         | Natural Gas, Diesel Oil |
| Voltage                           | 15750 Volts             |
| Balance of Plant Available? (BOP) | Available               |



# Asset Photos

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# Asset Photos

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