

# FlexEfficiency\* 60 Combined Cycle Power Plant

- Industry leading baseload efficiency
- A new standard in operational flexibility
- Adaptable integrated plant
- Full speed, full load gas turbine validation

## KEY

- 1

Gas Turbine
- 2

Generator
- 3

Steam Turbine
- 4

Heat Recovery Steam Generator
- 5

Control Room
- 6

Bus Duct
- 7

Air Inlet
- 8

Step-up Transformer

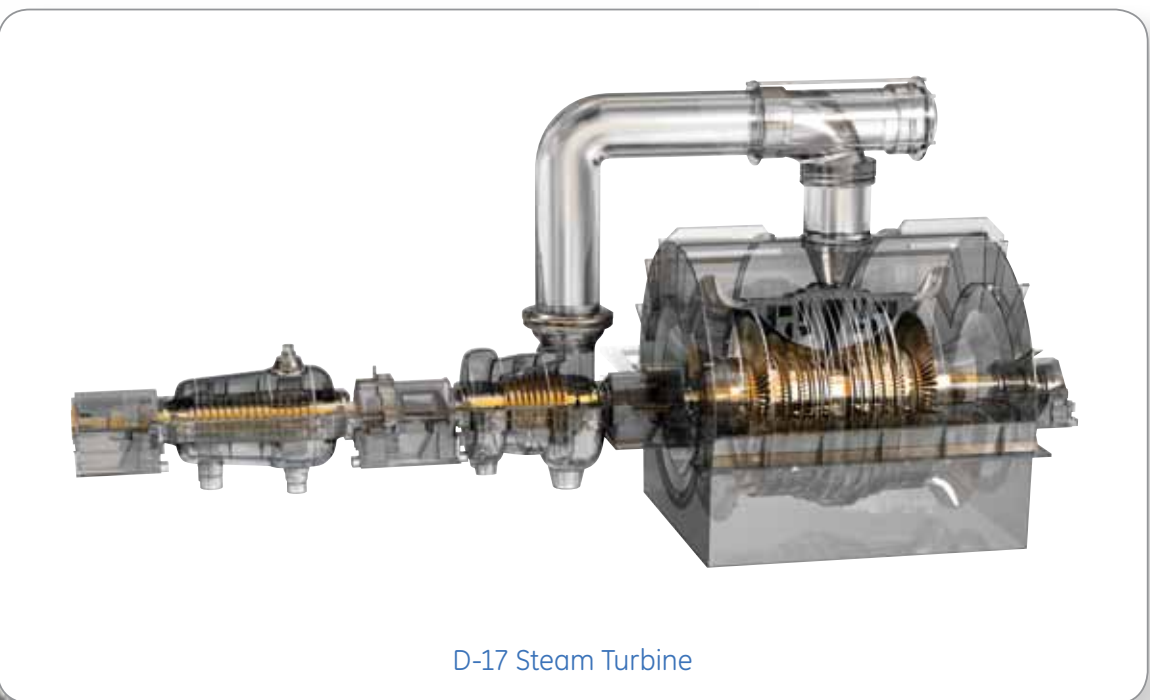
## Technical Data (60 Hz)

Overall Plant	
Net Power Output	750 MW
Combined Cycle Efficiency	Greater than 61%
NO <sub>x</sub> emissions (at 15% O <sub>2</sub> )	2 ppm
CO emissions	2 ppm
Fuel	Natural gas and distillate oil
Gas Turbine	
Type	7F 7-series
Net simple cycle output	250 MW
Exhaust energy	Greater than 1,250 MMBtu/hr
Combustor type	DLN 2.6+AFS (Axial Fuel Staged)
Steam Turbine	
Type	D-17, triple pressure reheat, triple casing
HP turbine steam pressure/temp	2,400 psi (165 bar)/1,112°F (600°C)
Generator	
Type	H26
Rating	270 MW @ 0.85 PF
Voltage	19.5 kV
Heat Recovery Steam Generator	
Type	Triple pressure, reheat drum
Control System	
Type	Mark* Vle plant control with OpFlex* software

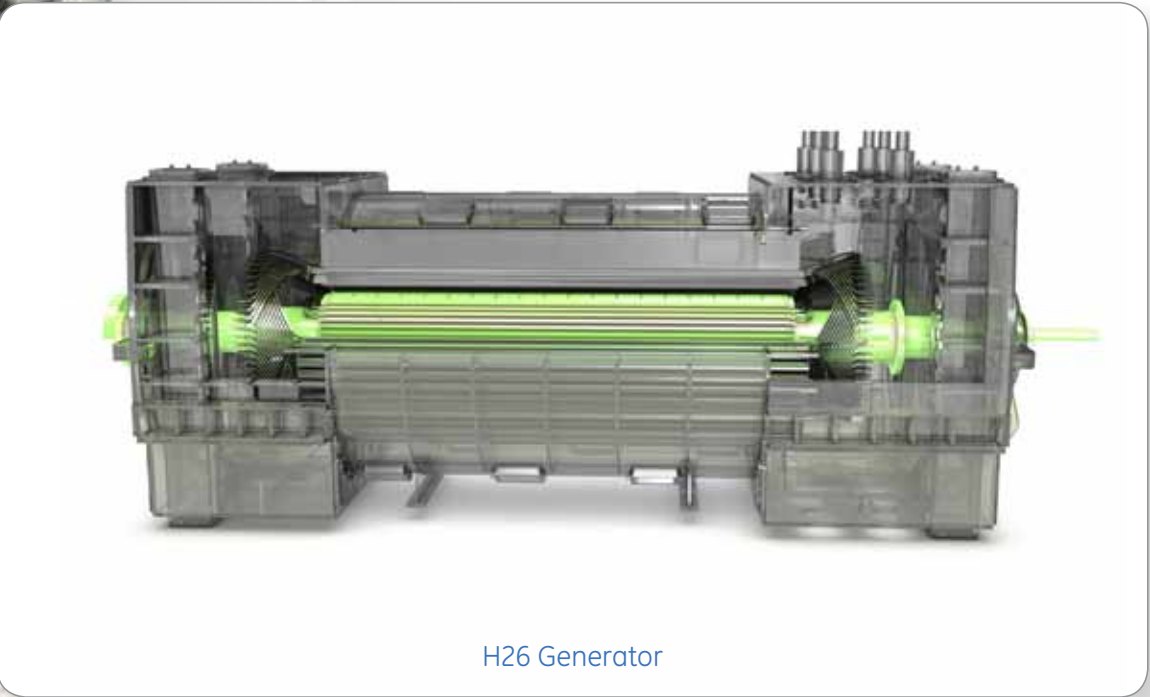
Normalized to Gas Turbine World conditions  
Based on 2x1 multi-shaft FlexEfficiency 60 Combined Cycle Power Plant with selective catalytic reduction and CO catalyst. Minimum turndown values assume one gas turbine operating.



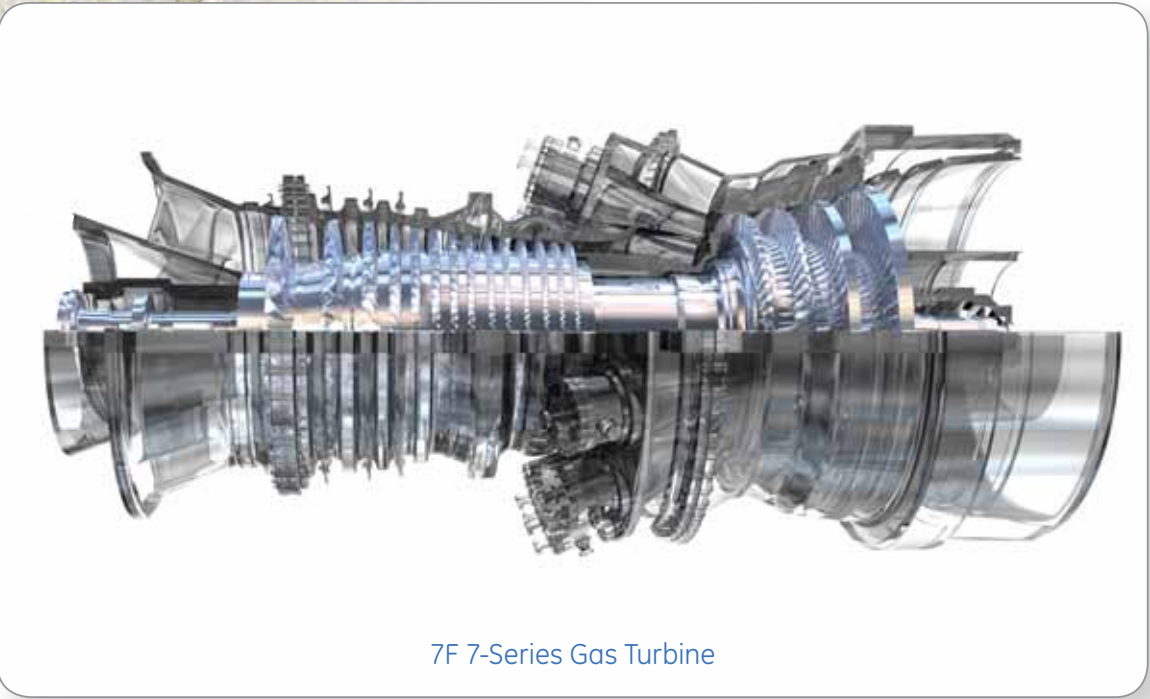
a product of  
**ecomagination**



D-17 Steam Turbine



H26 Generator



7F 7-Series Gas Turbine

## Plant Operational Capabilities

- Full plant load in less than 30 minutes without sacrificing efficiency or parts life
- 100 MW/minute ramp rate within emissions guarantees
- Turndown to 14% of plant baseload