

Efficient, flexible and fast

Best all-round plant efficiency over the entire load range with 540 MW at 61% efficiency in combined-cycle operation.

GT26 robust sequential combustion design supports a wide range of fuel variations, including Liquefied Natural Gas (LNG) and synthetic gases, without hardware change. Increase new revenue opportunities thanks to GT26 inherent capability to burn more than 30% hydrogen when blended with natural gas, while keeping unmatched plant efficiency and power output. 30 minutes hot start-up and unique capability to deliver within 15 minutes 450 MW in 1+1 combined cycle configuration and 900 MW in 2+1 combined cycle configuration, from Low-Load operation.

Environmental sustainable

The unique sequential combustion feature enables customers to maintain lower emissions over a wider emission compliant operation window down to 25% plant load. Superior Low-Load capability allows parking at 10-15% combined-cycle load during periods of low power demand with all components fully online, offering an unmatched operation flexibility for maximum dispatch in today's dynamic power markets.

Smart maintenance approach

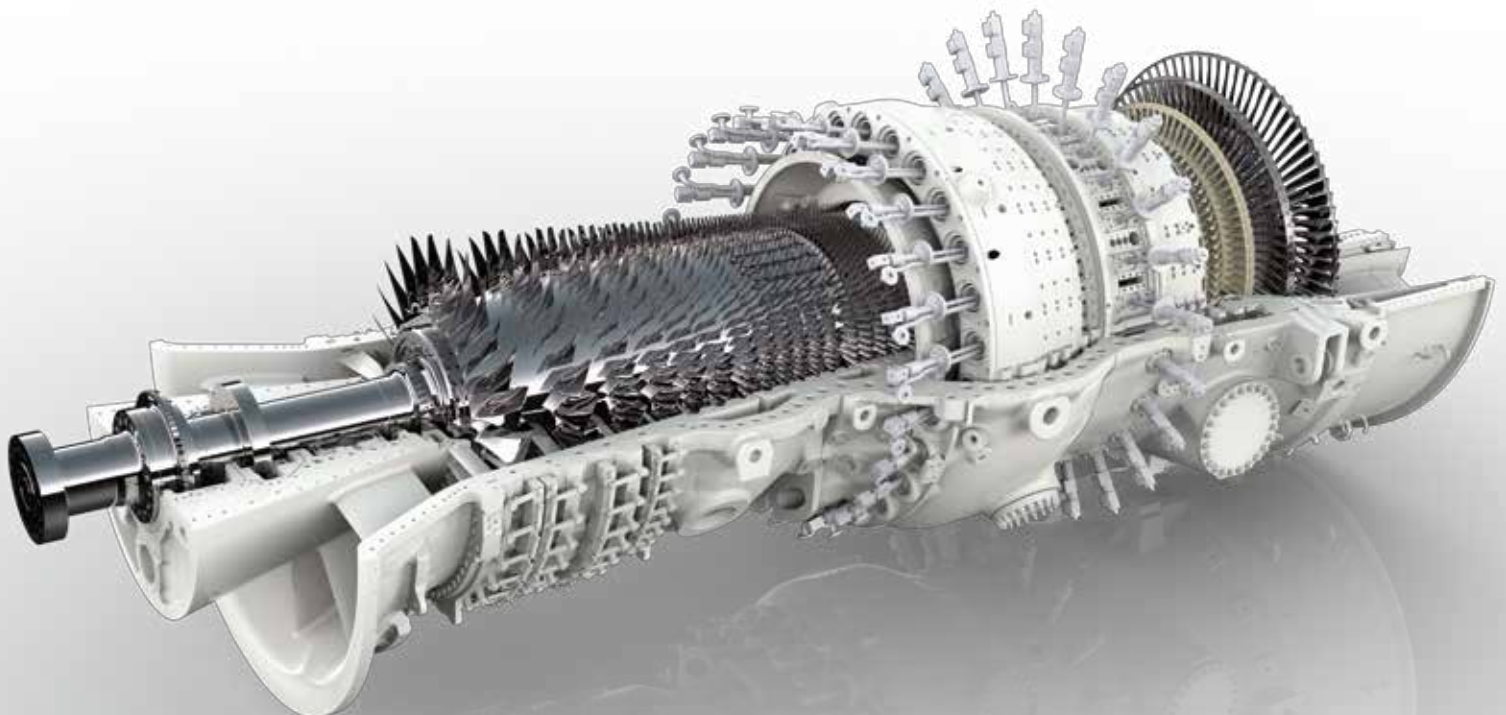
Ability to switch online between two operational modes - Performance Optimized for higher power output or Maintenance Cost Optimized for up to 30% more operation time between scheduled inspections. Long maintenance intervals with 32,000 hours for hot gas path inspections.

Ansaldo Energia offers a full and flexible range of service solutions, from Transactional Services through to Operation & Maintenance contracts.

Customized service agreements allow customers to choose the best solution to fit their needs.

Well proven technology

4.5 million fired hours, 60,000 starts across a fleet of more than 105 units worldwide.



GT26 Performance

Natural gas ISO conditions		
Power Output (*)	MW	370
Efficiency (*)	%	41
Exhaust Mass Flow	kg/s	741
Exhaust Temperature	°C	635
NOx Emissions	mg/Nm ³	≤ 30
CO Emissions	mg/Nm ³	≤ 10
Loading Rate	MW/min	33

(*) including OTC contribution

Power Plant Configuration		1+1	2+1
CC Net Output	MW	540	1,083
CC Net Efficiency	%	61	61.2
CC Net Heat Rate	kJ/kWh	5,900	5,882
Plant Turndown MEL	%	25	13
Plant Turndown Low Load Operation	%	10-15	5-8

General note: Performance data are calculated with 100% methane (LHV) at ISO conditions, direct cooling.

MEL: Minimum Environmental Load (depending on allowed emissions limits)

Worldwide references: decades of experience

The fleet of GT26 has an excellent track record of availability, operational flexibility and durability.



> 5,800,000 Cumulated EOH

Africa: Algeria; Tunisia.

America: Argentina; Chile.

Asia: India; Japan; Singapore; Thailand, Malaysia, Bangladesh

Europe: France; Germany; Greece; Ireland; Italy; Netherlands; Russia; Spain; Turkey; United Kingdom.

Middle East: Iraq; Israel; Oman; UAE.

Oceania: Australia; New Zealand.

106 Units
106 Combined Cycle
(57 Single Shaft)

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