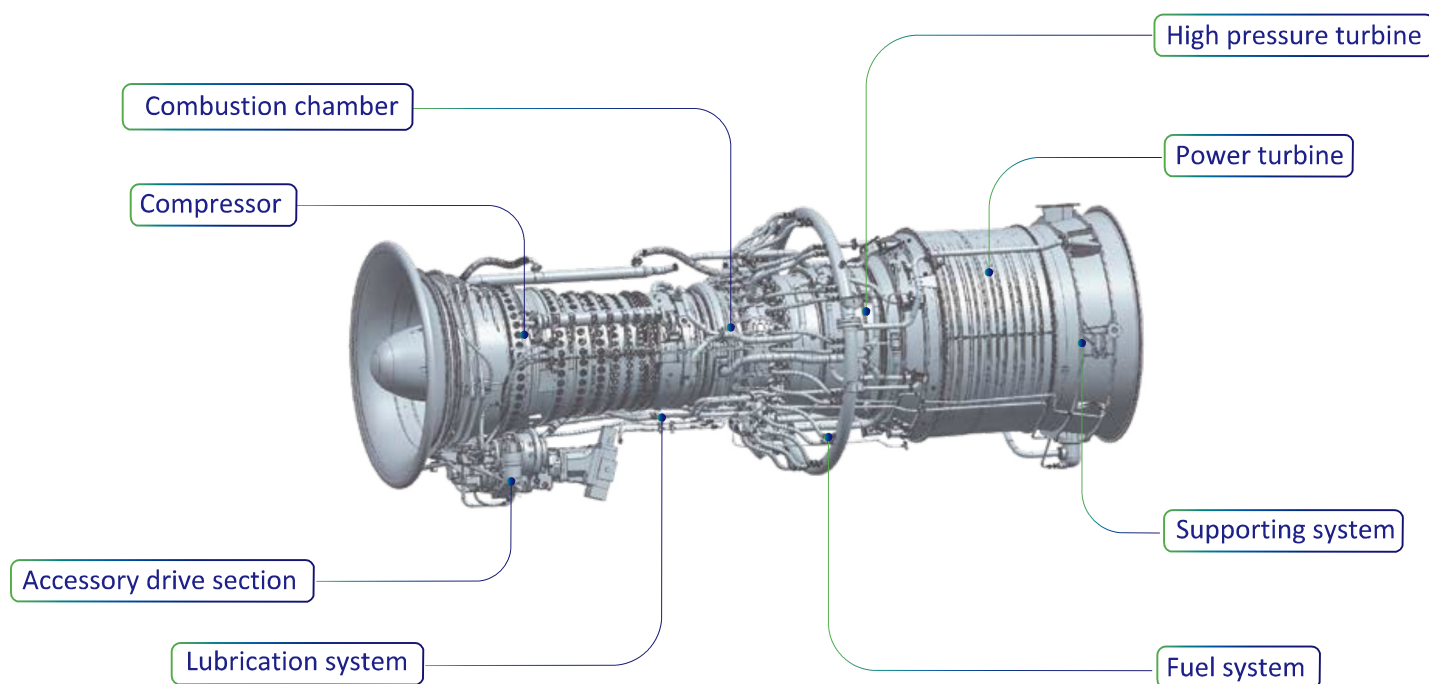


TG30 Gas Turbine



Performance parameters of TG30 series gas turbines

Gas Turbine Mode	TG30-L	TG30A-L	TG30B-L	TG30A-H	TG35A-L
Fuel Type	Natural gas / Diesel	Natural gas / Diesel	Medium and low calorific value gas/diesel	Natural gas / Diesel	Natural gas / Diesel
Rated Power(MW)	31.5	31.0	30.5	31.5	34.5
Efficiency (%)	39.2	39.0	39.0	40.6	39.5
NOx(ppm)	--	< 25	< 50	< 25	< 25
Exhaust Temperature (°C)	528	520	528	500	543
Exhaust Gas Flow (kg/s)	83.15	83.15	83.15	83.15	91.6
Weight (Tonne)	4.7	5.2	4.7	19	4.7
Dimension(m) (Length*width*height)	4.9*1.5*1.6	4.9*2.5*2.4	4.9*1.5*1.6	6.6*2.4*2.4	4.9*1.5*1.6
Turbine Speed (rpm)	3000	3000	3000	6100	3000

Product Advantage

- >The first 30MW aero-derivative gas turbine that has passed the verification process and is certificated for mass production and sales, with an efficiency exceeding 39%
- >The gas turbine with the lightest weight for the same power output, easy to move, and wide range of application
- >Modular design, easy installation, short construction period on site
- >All components are domestically manufactured, and maintenance are controllable independently

National Pipeline Network Group
West-East National Gas Transmission Project
West China Gas Compression Station >>>>>

- The first batch of major scientific and technological projects of National Pipeline Network Group - TG30 gas turbine demonstration project
- Successfully completed 8,000 hours of industrial operation assessment, effectively supporting the safe and stable operation of the West-to-East Gas Pipeline
- Passed product appraisal by the China Machinery Industry Federation and was included in the promotion and procurement whitelist of National Pipeline Network Group



Henan Liyuan Group
New-type Coal Chemical Distributed Gas
Turbine Combined Cycle Power Station <<<<<

- The first domestic demonstration project of aero-derivative gas turbine power generation using coke oven gas in China
- Connected to the grid for power generation in July 2022, with variable load operation
- Demonstration power station of high-hydrogen-content medium-low calorific value gas turbine for coal-based research projects of the Chinese Academy of Sciences

Jiangsu Tianyu Group
Coke Oven Gas Combined
Cycle Power Station >>>>>

- The first commercial order for coke oven gas turbine in China
- Grid connection and power generation will be completed in January 2025, with efficient recovery and utilization of coke oven gas
- A package of services including operation monitoring, remote diagnosis, and trouble shooting for the gas turbine



Shandong Order Group
Linyi Lingang Economic Development Zone
Comprehensive Energy Station <<<<<

- The first commercial order for a natural gas-based gas turbine in China
- The first batch of power/gas two-way peak shaving incremental distribution network projects in Shandong Province
- Integrated energy system combining wind power, photovoltaic power, gas turbine and energy storage

Energy group A in Turkey
Natural gas distributed gas
turbine power station >>>>>

- The first commercial order for a natural gas-based gas turbine on overseas markets
- A distributed energy system based on gas turbines. Power generation will be operational by 2025

