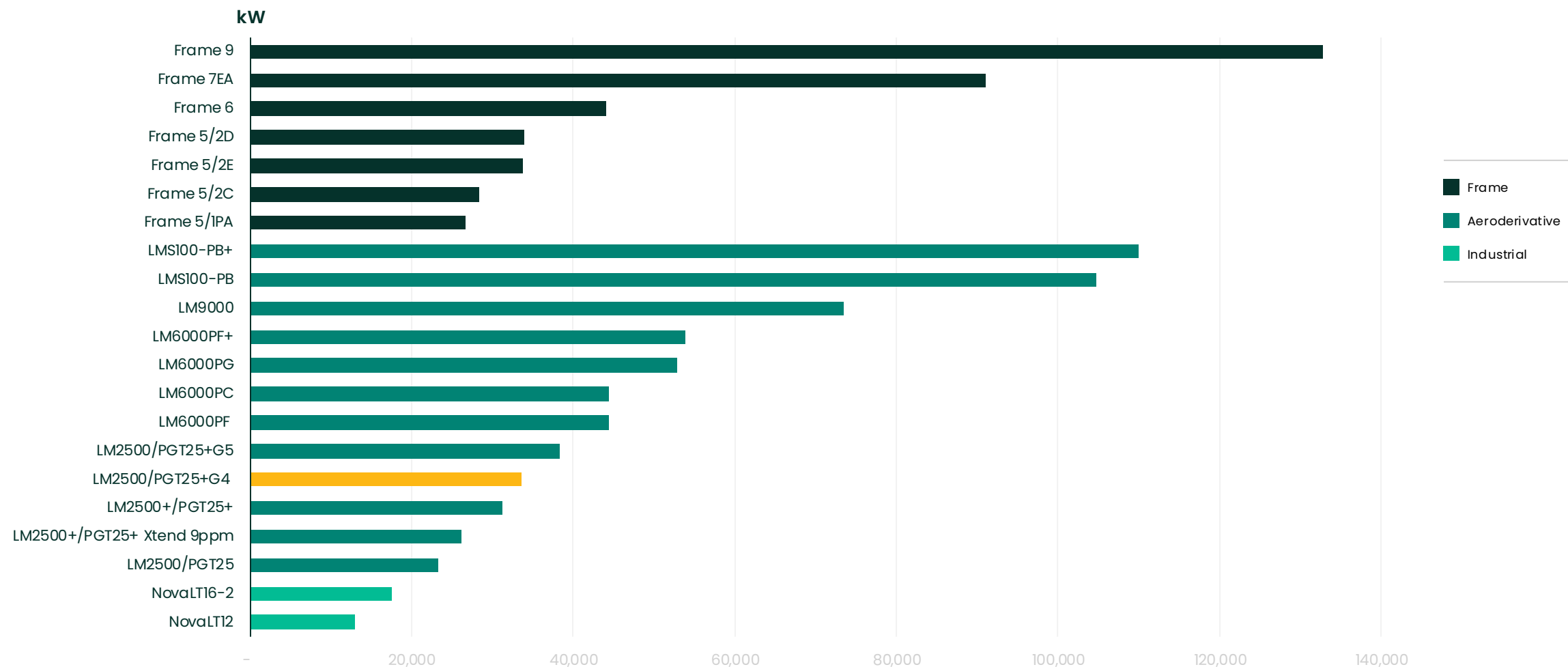


PGT25+G4/LM2500+G4

Two-shaft turbine with well known technology for high efficiency, reliability and availability, and low environmental impact

Industry leader in gas turbine technology



PGT25+G4/LM2500+G4

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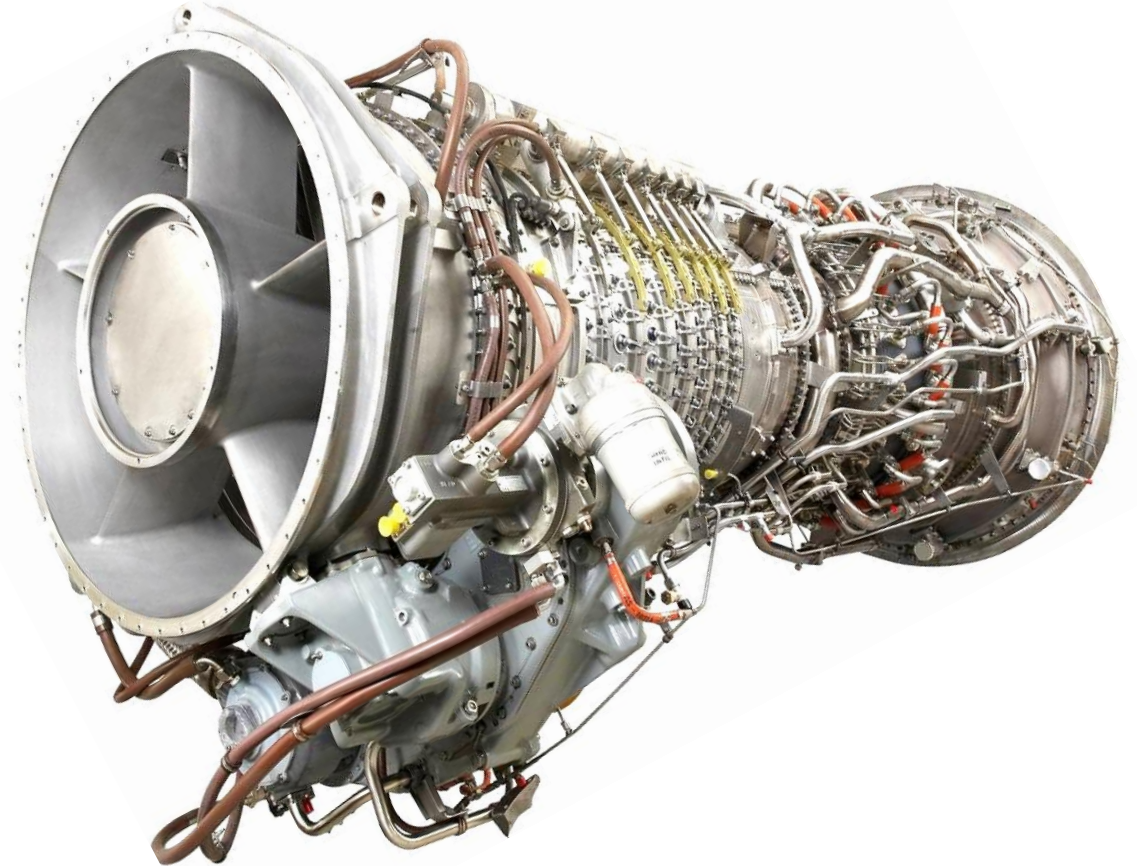
The PGT25+/LM2500+G4 turbine draws its high efficiency and light weight from our aeroderivative technologies proven in energy applications and aircraft engines, while its ruggedness is inherited from our frame gas turbine designs.

Benefits:

- Up to 40% efficiency in simple cycle; more power with retained maintainability and reliability
- Modular exchange philosophy and easy maintenance deliver best-in-class availability and reliability
- Maximized fuel flexibility: can operate on a wide range of both liquid and gas fuels

Key design features

- 17-stage high-pressure axial compressor
- Annular combustion chamber with maximized flexibility and 25 ppm NOx and CO with Dry Low Emission system (DLE1.5)
- Two options: low-speed power turbine (LM2500+G4) or high-speed power turbine (PGT25+G4)



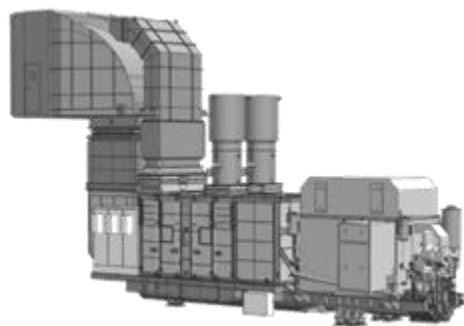
Package

Simplified and flexible solution

- Designed for wide ranging ambient conditions
- Fully integrated solutions: single-lift GTG/MLO system on CC skid
- Maximized on-board GT auxiliaries
- Compact BoP solution
- Pre-assembled unit (PAU) available as an option

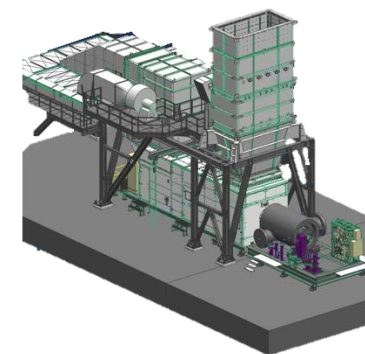
Optimized transportation and shipping

- Boxes and packing optimization, main items modularized, reduced loose items
- Easier transportation: total weight and footprint reduced
- Designed for installation: maximized on-skid auxiliaries for plug-and-play experience



Standard offshore power generation

- Footprint: 16 x 3.4 m
- Weight: 135 tons
- High power density: up to 3 or 4 units in a single module



Standard pipeline GTC

- Footprint: 18.9 x 4.2 m
- Weight: 225 tons (PCL600), 249 tons (PCL800)
- Alternative packages solutions available

Applications

- Onshore and offshore
- LNG, pipeline, gas processing
- Power generation: 50/60 Hz with no need of a gearbox

Key design features

- Plug and play: only 4 skids to ship for offshore GTG, 6 skids to ship for pipeline GTC
- Fast Installation and commissioning: package can be shipped including engine, flushed and with loop-check complete
- Quick to first oil: target 12 months delivery time
- Extended maintenance intervals: 10-30-60k hours
- Fast engine swap: 48 hours, digital connected for AM&D

Datasheet

LM2500+G4
PGT25+G4

Power generation—LM2500+G4 50 Hz

Power	MWe	32.5
Efficiency	%	37
Nox	ppm	25
Exhaust	°C	543
Speed	rpm	1,500 to 3,150

Mechanical drive—PGT25+G4

Power	MW	33.7
Efficiency	%	40.5
Nox	ppm	25
Exhaust	°C	510
Speed	rpm	3,050 to 6,405

Main inspections

Hot gas path	hours	25,000
Major insp.	hours	50,000

ISO conditions with natural gas fuel, ambient temperature 15°C,
no inlet or exhaust losses, sea level, 60% relative humidity.
Maintenance intervals adjustable on conditions.

Other capabilities highlights

- Single annular combustor technology
- Available with both SAC and DLE combustors
- Maximized fuel flexibility: can operate on a wide range of liquid and gas fuels
- Up to 75% vol H₂ in SAC configuration
- Up to 5% vol H₂ in DLE configuration
- Modular exchange philosophy and easy maintenance deliver best-in-class availability and reliability

Package—power generation

Footprint	m	16 x 3.4 (LxW)
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Package—mechanical drive

Footprint	m	18.9 x 4.2 (LxW)
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Product line overview

Other LM2500/PGT25 family solutions

		+G5 High Power	+G5 Xtend 15ppm	Plus	Base
Power generation		LM2500+G5 50Hz	LM2500+G5 50Hz	LM2500+ 50 Hz	LM2500 base 50 Hz
Power	MWe	36.8	32.9	30.5	22.6
Efficiency	%	40	39.4	37.3	35
Nox	ppm	25	15	15	15
Exhaust	°C	560	535	528	540
Speed	rpm	1,500 to 3,150	1,500 to 3,150	1,500 to 3,150	1,500 to 3,150
Mechanical drive		PGT25+G5	PGT25+G5	PGT25+	PGT25 base
Power	MWe	38.3	34	31.1	23.3
Efficiency	%	41	40	40.5	36.1
Nox	ppm	25	15	15	15
Exhaust	°C	540	512	500	530
Speed	rpm	3,050 to 6,450	3,050 to 6,450	3,050 to 6,405	3,050 to 6,405
Main inspections					
Hot gas path	hours	25,000	36,000	25,000	25,000
Major insp.	hours	50,000	72,000	50,000	50,000