

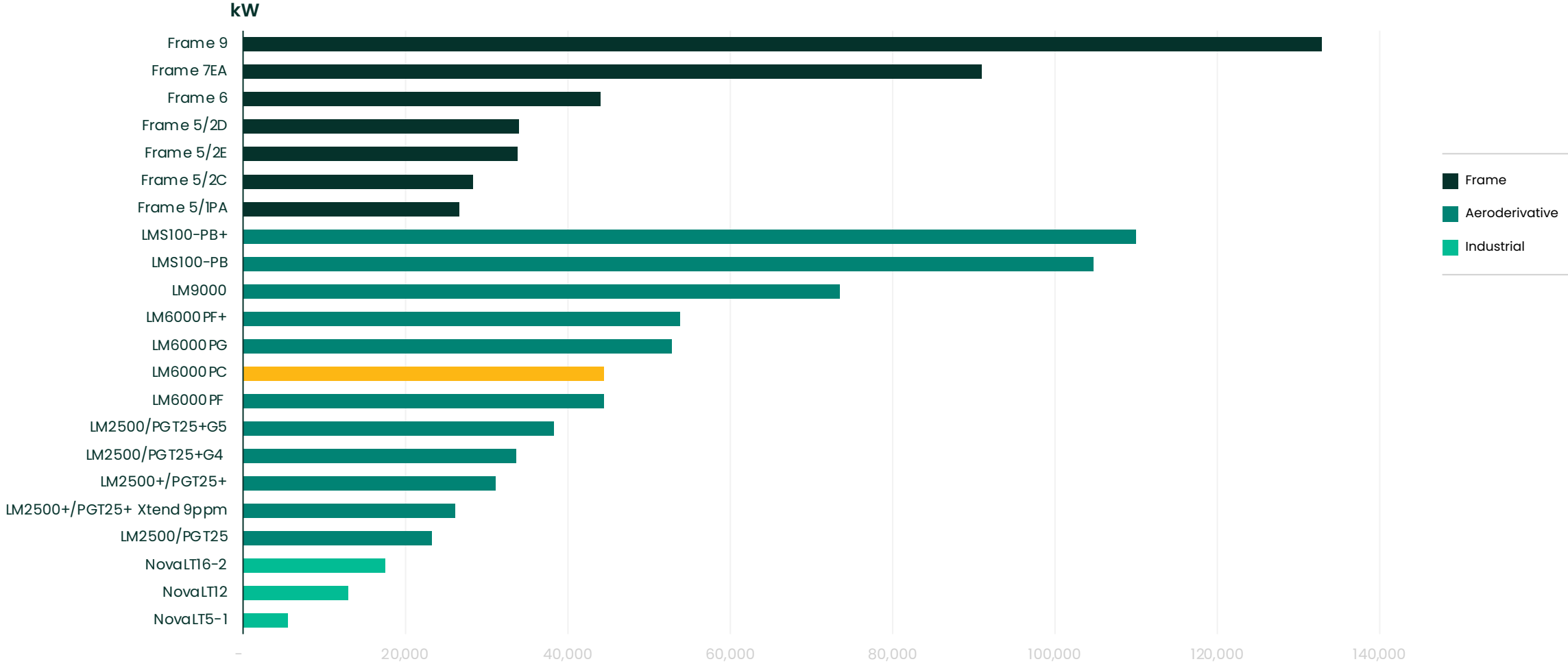
# LM6000PC aeroderivative gas turbine

Field-proven with over 20 million hours  
total fleet experience



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# Industry leader in gas turbine technology



# LM6000PC

The best-selling LM6000

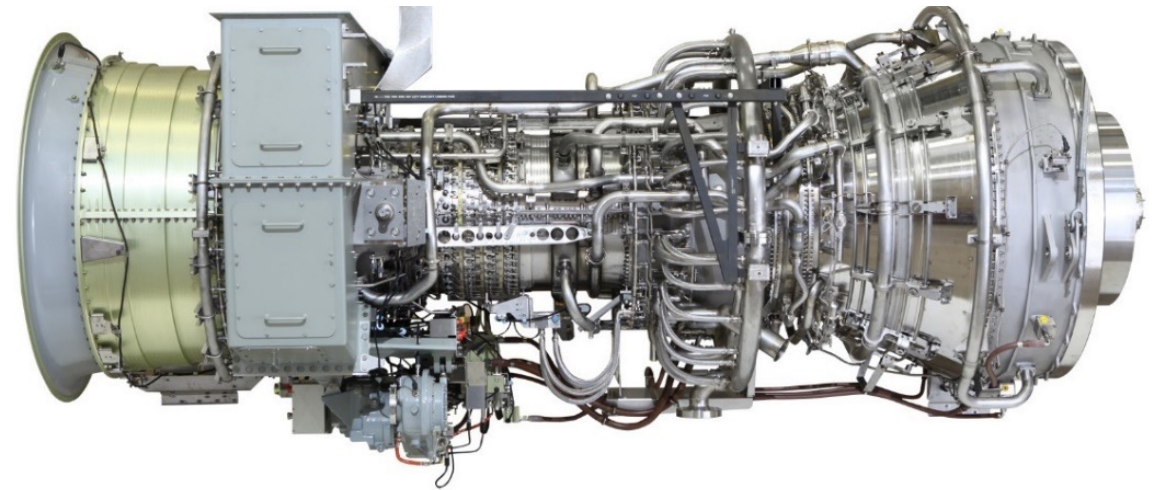
With over 720 engines worldwide across all applications, the LM6000 PC fleet has more than 20 million total hours, and a fleet leader with 190,000+ hours.

It's ideal for offshore applications, with the simpler single annular combustion system and well-referenced dual-fuel capability and wide fuel flexibility.

With 44 MW shaft power and 42% simple-cycle efficiency, this turbine can quickly ramp up and down to match demanding operating requirements.

## Key features

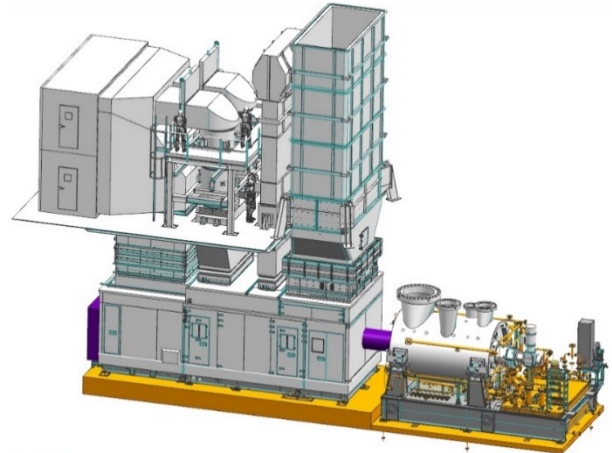
- Double co-axial shafts
- Aeroderivative compressor design has 5 low-pressure and 14 high-pressure stages for outstanding efficiency, and adjustable vanes for best operating flexibility
- Single annular combustor technology with dual fuel capability, 40–60 modified Wobbe Index flexibility, and 30% vol hydrogen capability
- 2-stage high-pressure turbine and 5-stage low-pressure turbine with optimized airfoils for high efficiency and reduced CO<sub>2</sub> emissions



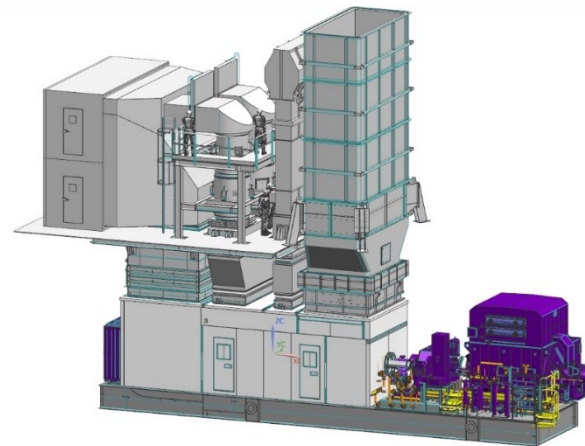
# Package

## Onshore and offshore solutions

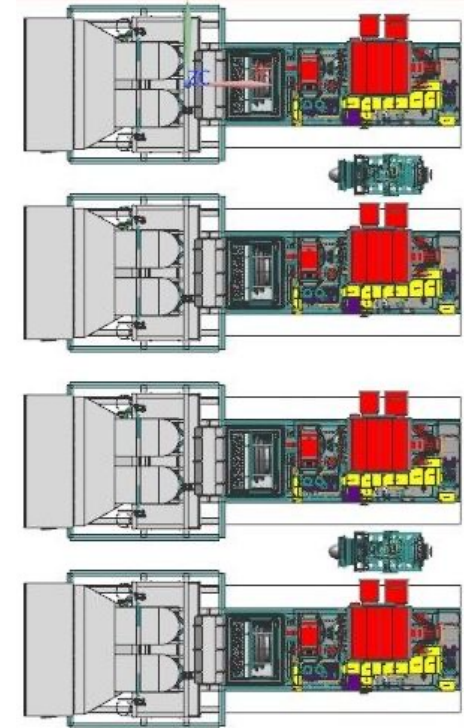
- Optimized slide-off turbine design with mini-skid concept for engine swap in less than 24 hours for maximized availability
- Multipoint AVM for lightweight single-lift design and uniformly distributed load
- Remote I/O panel available
- Aerosol fire-protection system to minimize footprint and weight by eliminating interconnecting piping and cables



Onshore mechanical drive



Single-lift power generation



## Optimized offshore arrangement

- Minimized distance between units
- Shared maintenance area
- 4 units in 40 m: a game-changer in the FPSO market

# LM6000PC datasheet

## Mechanical drive

Power	MW	44
Efficiency	%	42
Exhaust	°C	460
Speed	rpm	3,600

## Power generation

Power	MWe	43.3
Efficiency	%	41.1
Exhaust	°C	454
Speed	rpm	3,600

## Single-lift power generation package

LxWxH	m	20x5
Weight	ton	280

## Gas turbine package

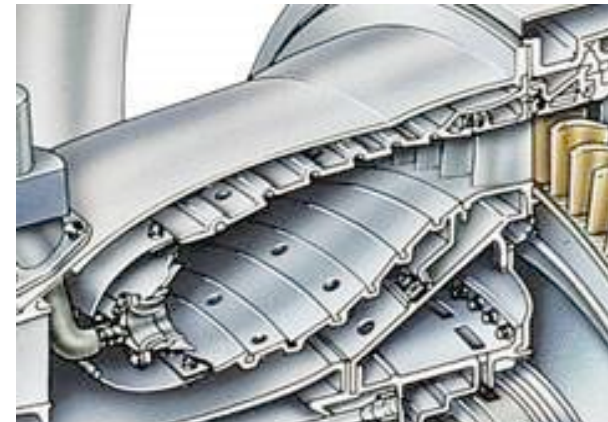
LxWxH	m	12x4.8
Weight	ton	160

## Main inspections

HGP	hr	25,000
Major insp.	hr	50,000

## Capability highlights

- Ideal for offshore application thanks to the well-referenced and simple single annular combustor technology with dual-fuel capability
- Reduced CO<sub>2</sub> emissions thanks to the high simple-cycle efficiency
- 40–60 MWI fuel flexibility with more than 10%/min rate of change
- Ready to burn up to 30% vol H<sub>2</sub>



Single annular combustion technology

# Projects

## Upstream power generation



Venezuela

## Downstream power generation



USA

## Dual-fuel offshore power generation



United Kingdom