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HELLO!

Baker Hughes, a GE company, has a new site. Want to see how we're inventing smarter ways to bring energy to the world?

YES, PLEASE

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NovoLT16 Gas Turbine

Setting a new standard for 16 MW class turbines — designed for maximized availability and low maintenance, it delivers 16.5 MW shaft output power, has low emissions and minimal DLN tuning requirements.

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A turbine that improves plant performance through high fuel efficiency and low maintenance requirements

This two-shaft gas turbine designed for mechanical drive and power generation applications. With a power turbine speed of 7,800 rpm, it is ideally suited for pipeline compression – with direct coupling to the latest PCL pipeline compressors featuring high performance stages and 89% or higher compressor efficiency. It is full of exceptional advantages for any operation – including up to 99% availability. It is designed for a 35,000-hour mean time between maintenance, which translates into four years of non-stop running for the gas generator module or eight years for the power turbine module.

In addition to long intervals without maintenance, the NovoLT16 enables extremely short intervals for maintenance activities. In fact, the modular maintenance philosophy is optimized so that a cold-condition engine can be swapped in just 24 hours. Beyond the mechanics of the turbine itself, the complete package is designed with the ultimate performance and support features as standard – fully equipped with integrated monitoring and diagnostics sensors and remote tuning capability. Control room location is up to you, while oil and starting systems are easily accessible outside of the enclosure, making routine maintenance safer and more ergonomic (lower noise, lower heat).

How The NovoLT16 Gas Turbine Is Manufactured - GE Oil & Gas



Services

There's no need for annual DLN tuning. We perform an initial DLN tuning during commissioning and to coincide with the gas generator swap.

Every unit comes with built-in Predictivity™ Solutions to greatly improve local team's asset management abilities while enabling fast and easy expert support from the GE Oil & Gas iCenters in Florence,

Houston and Kuala Lumpur – for ongoing performance optimization.

Wide package doors for simplified engine removal with no structural dismantling. Great attention was devoted to making engine in/out operations as easy and mistake-proof as possible.

Technical Specifications

Shaft Power	16.8 MW
Efficiency (mechanical drive)	37.3%
Efficiency (electrical/simple cycle)	36.1%
Efficiency (CHP)	80%
Availability	99%
Meantime between maintenance (MTBM)	35,000 hours: ~4 years of continuous operation with no need for maintenance stops
Emissions	Current guarantee: 25 ppm of NOx, targeting 15 ppm of NOx on natural gas (dry) and 120ppm NOx on diesel oil (dry)

- [📄 GE Oil & Gas NovaLT16 Brochure](#)
- [📄 中国的小册子](#)

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