

Field Service

Thomassen Energy
a Hanwha company

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The Thomassen Energy Field Service department consists of maintenance specialists who have extensive knowledge of GE heavy-duty gas turbines, both E & F-class. From the maintenance base in Rheden (NL) there are field service engineers available with all necessary skills to get to your site and help you with your scheduled and unscheduled maintenance.

Site Installation

As we have built and installed more than 300 GE-type gas turbines, we have many highly experienced site managers, project managers and commissioning engineers, ready to carry out installations and upgrades around the globe.

Modifications of Controls

Gas turbines running with Speedtronic™ Mark II, Mark IV, Mark V, or other versions can be upgraded with new digital control systems, such as the Speedtronic™ Mark VI Simplex or Thomassen TC-7. We can design, procure and install upgrades at client sites.

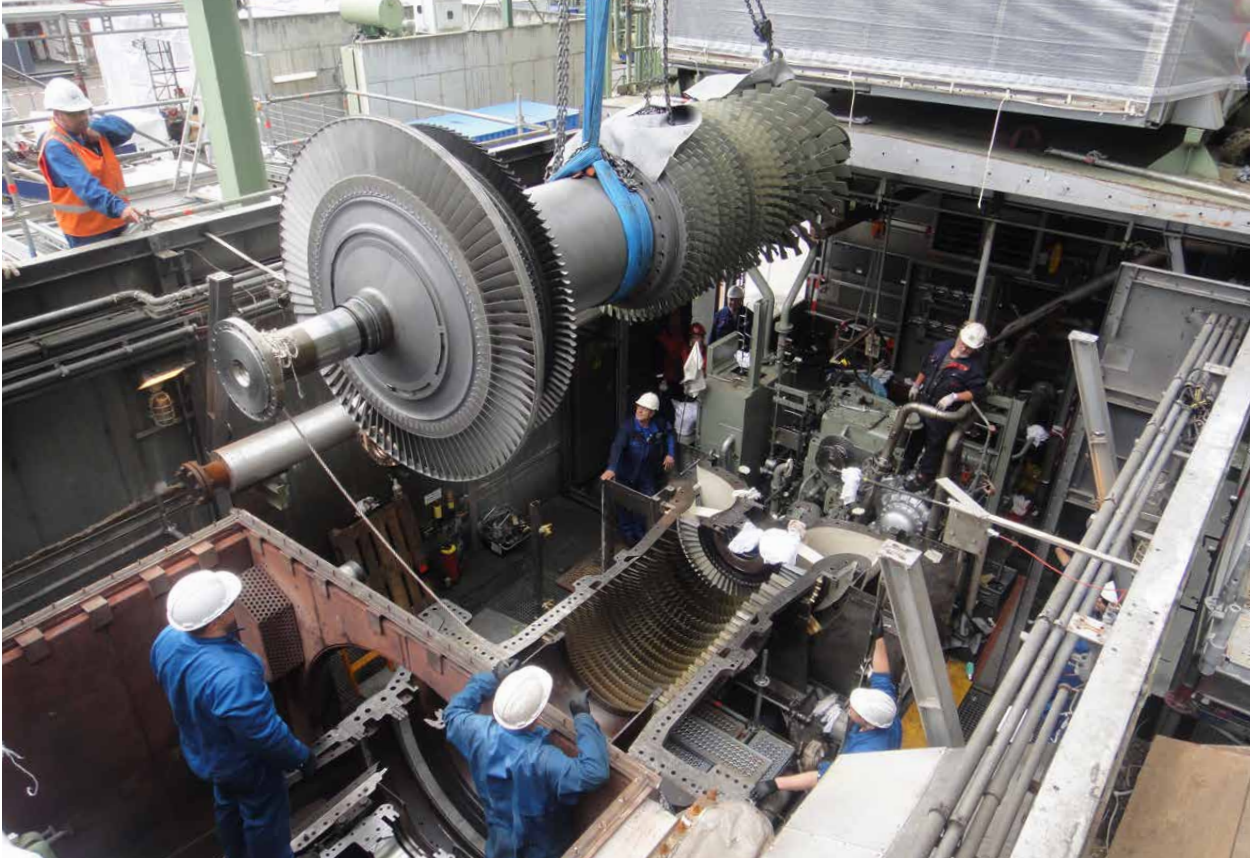
Tool Container

For all maintenance tasks, we can provide clients with tool containers fully stocked with standard and specialized tooling to enable inspections at client sites. If required, the container itself can be surveyed to SWL specifications for sea transportation and lifting on board oil or gas production platforms. For planned maintenance periods, containers can be shipped to client sites at least one week prior to maintenance outages. For emergency support they are shipped within 24 hours from our Rheden base.

Emergency Services

All our extensively trained field service engineers have experience dealing with a wide variety of maintenance issues and troubleshooting tasks. With back-up from our senior engineers based in Rheden they can solve all possible issues.





For clients with long-term maintenance contracts, we offer a 24-hour emergency hotline. This is available to all users of GE-designed gas turbines. If the THOMS online monitoring system is installed, we can provide online troubleshooting and thus resolve most problems remotely.

Our working methods and procedures are in accordance with ISO9001. We also offer fully engineered lifetime extension modifications, resulting in significantly extended periods between overhauls.

Borescope Inspections

With our digital borescope equipment, we can survey and record in situ most components located in the hot gas paths of the combustion and turbine areas. We can examine the variable inlet guide vanes and the first-stage rotor and stator vanes of the compressor while viewing the

internal condition of pipe work and specifically flexible units, in order to establish any internal corrosion or collapse.

On completion of the survey client personnel can immediately view the results and a decision can be made as to whether to open the machine. Our full report, which contains digital photographs, is normally issued within a week of the inspection. Since the borescope technique is now based on a digital system, we can download the information directly to our home base at Rheden where a specialist can view the photographic evidence and suggest what action should be taken, thus minimizing downtime.

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Innovation and Service for a World with Clean Power

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