



MTU Maintenance Berlin-Brandenburg  
An MTU Aero Engines Company

## GE LM2500, LM2500+, LM5000, LM6000

Excellence in Service



# OEM-authorized services for GE's LM series

MTU Maintenance Berlin-Brandenburg, an MTU Aero Engines affiliate, was established in 1991 and is one of the world's leading companies for maintenance, repair and overhaul (MRO) of aircraft engines and industrial gas turbines. With the first LM2500 being serviced in 1981, MTU looks back on more than 20 years of experience with aeroderivatives. Today, MTU Maintenance Berlin-Brandenburg in Ludwigsfelde to the south of Berlin is the center of excellence for all MRO services for industrial gas turbines.



Major oil and gas company are serviced by MTU Maintenance Berlin-Brandenburg.

MTU Maintenance Berlin-Brandenburg provides repair, maintenance and overhaul services for all versions of the following gas turbines:

- GE LM2500/LM2500+
- GE LM5000
- GE LM6000



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## Services

The scope of services ranges from field service for on-site repairs and module exchanges worldwide up to comprehensive in-shop repair and overhaul services:

- **On-site services**
  - 24-hours/365-days availability
  - Hotline for trouble shooting and engineering support
  - Local field service representatives in North America, South America and Asia-Pacific
  - Periodic inspections, Level 1 and 2 on-site maintenance



A stator case is removed on-site by MTU's field service team.

- Rotable units, tooling management, spare parts supply/management
- Remote monitoring and trend analysis
- Vibration surveys/trim balancing/laser alignment/DLE mapping
- **Shop services**
  - GE-licensed Level IV depot
  - Hot section replacements/refurbishment
  - Overhaul/repair of gas generators and power turbines
  - Customized work scopes
  - Engineering support for every gas turbine type
- **In-house repair capabilities**
  - Extensive repair capabilities at MTU Maintenance Berlin-Brandenburg
  - MTU Maintenance's repair network with shops in Hannover, Munich and Malaysia

- **Training**
  - Familiarization courses
  - Boroscope and controls courses

## Testing

- Testing of LM2500 and LM6000 under real load conditions by using a generator
- Testing of LM5000 on a jet engine test bed

## Customized long-term service agreements (LTSA) with availability guarantee

## Performance guarantees and restoration

## Lease engines and modules



An LM2500 gas generator is assembled in MTU's shop.

## Why MTU Maintenance Berlin-Brandenburg?

### Experience

To date, MTU has handled almost 600 gas turbine shop visits. Over 100 engines are serviced under long-term service agreements.

### Repair

About 80% of the repair work is carried out within the MTU Maintenance group which results in lower costs and shorter turn-around times.

### Testing

At MTU's test cell center LM2500 and LM6000 gas turbines are tested under real load conditions without any restrictions in terms of synchronization to the grid or availability of test slots.

### Call upon us for assistance

The dedicated professionals at MTU Maintenance Berlin-Brandenburg will be glad to tailor maintenance and repair schedules to suit your very needs.