



# Gas turbines

We have decades of experience in plant perfection, and our job is to help you with your rotating main equipment management from planning to optimized maintenance, modernizations, and repairs.

## MAINTENANCE AT THE RIGHT TIME SAVES COSTS OF SPARE PARTS

Our maintenance measures start off at the maintenance planning stage. We study the reports from previous outages and experiences from the latest period of operation. Condition monitoring measurements and endoscope inspections combine with the factors mentioned above to create a good basis for successful maintenance.

On the basis of the data gathered, we can specify the date of the service and prepare for spare part procurements and on-the-spot repair measures. Maintenance which is planned in advance optimises the use of parts and the repairs, and generates significant cost savings. In gas turbines, costs of spare parts comprises a large part of total maintenance costs.

## TURN-KEY MAINTENANCE GUARANTEES GOOD OPERATING EFFICIENCY AND AVAILABILITY

In the maintenance of gas turbines, our aim is to take overall responsibility for the maintenance work by a turnkey arrangement; this includes the gas turbine and its auxiliary devices, the generator and its auxiliary devices, and the control and protection system. The purpose of overhauls of gas turbines is to guarantee the uninterrupted operation for the subsequent period of operation. Turnkey maintenance guarantees that the power plant will have a high level of operating efficiency and availability.

Once the overhaul is complete, it will be possible to give a preliminary specification of the service measures that will follow as far as the maintenance costs are concerned. The future implementation date can be monitored and fine-tuned by using the maintenance planning tools mentioned below.

## OUR SERVICES FOR GAS TURBINE MAINTENANCE

- Overhaul and spare part planning
- Consultation in spare parts repairs
- Turbine, Load Gear generator and inspection works
- Endoscope and NDT inspections and analysis
- Vibration measurements and analysis
- Inspection of control and protection systems
- Fault investigations
- Installation of new machine units
- Protection of client's interest, Owner's Engineering

## CONDITION MANAGEMENT:

- Long term condition management planning
- On-line and off-line condition monitoring and equipment

## Key benefits

Low maintenance costs  
Longer overhaul intervals  
Optimised equipment life time  
High availability and reliability