



**AnsaldoEnergia**

A Finmeccanica Company

## Field Service



### FIELD SERVICE

The vast experience gained in over 100 years of machinery production and assistance around the world enables Ansaldo Energia to operate with the engineering background necessary to carry out successfully any kind of field and workshop repair and overhaul, on its production and on other original equipment manufactures' similar machinery.

The large, comprehensive offer covers all possible needs of the Ansaldo Energia three main product lines: 70-279 MW heavy duty gas turbines, 40-1200 MW steam turbines supplied either directly or by third parties, both for thermal and geo-thermal applications, 40-1200 MVA generators for gas, steam, and 10-400 MVA for hydrogenerators. Every year, Ansaldo Energia Service performs some 150 overhauls on the above plants and equipment.



Thanks to such a profound experience, a vast variety of Field Services is available with Ansaldo Energia. Ultimately, it is the Customer's requirements that design Ansaldo Energia's intervention, therefore any Field Service listing will necessarily need to be tailored according to each Customer.

The contractual agreements can span from on-call daily technical representative field dispatching, to single or repeatable turn-key maintenance contracts with a jointly agreed quality and duration guarantee.

A list of offered field services is given here below:

- Power plants / machineries survey and conditions assessment
- Machinery and parts life evaluation
- Machinery outages scheduling and technical planning
- Specialists dispatching
- Customer support Hot Line
- Site survey

- Engineering and design
- Field Inspection and Fact Finding
- Failure & Root Cause analysis
- All levels field maintenance and overhauls, from day-by-day to turbogroups major over hauls.
- Spare parts need assessment, procurement, delivery, installation and management
- Non Destructive Tests (NDT)
- Boresonic Testing for rotors life assessment
- Electrical Tests
- Chemical and metallurgical analysis with electronic microscope.
- All kind of field tools rentals, from balancing machines to portable lathes for rotors, containerised workshops etc

In 2004, Ansaldo Energia Service accounted for some 400,000 man hours in Field Service assignments (about 1/3 involving Ansaldo partners' personnel).

