COMMISSIONING AND PLANT DIAGNOSIS
Commissioning and Plant Diagnosis

RANGE OF SERVICES

Our basic work consists in the first commissioning or the recommissioning of power plants and/or components of all kind. The intensive technical support of a plant does not end for us, however, with the successful completion of commissioning, but is the start of an efficient plant service geared to customer’s satisfaction. To this end we offer you a wide range of services for your plant.

MODERNISATION

- Power plants for public power supply
- Industrial as well as heat power plants with or without cogeneration
- Combined cycle plants
- Steam generator for heat generation, heating processes as well as district heat systems
- Heat utilisation systems
- Heat recovery boiler plants
- Pulverised fuel firing systems
- Burners and complete firing systems for solid, liquid and gaseous fuels
- Firing systems for special fuels
- Refuse incineration plants, special waste incineration plants
- Fluidised bed systems
- Coal drying plants
- Pulverising, coal feeding and ash handling plants

ADVANTAGES

- First commissioning and recommissioning (mechanical and electrical, also after revision standstill)
- Advice on new plants
- Advice on reconstruction/modernisation
- Advice on the acquisition of spare parts
- Plant diagnosis
- Actual condition analysis
- Testing and process-related consultation in close cooperation with the respective expert departments
- Setting and optimisation measures
- Fault management/fault clearing
- Research of causality for damage events
- Preparation/revision of operating manuals
- Staff training
- Advice on technical operation management
INDUSTRIAL STEAM GENERATORS

- Inspection of firing systems and their components
- Optimisation of firing systems as far as emission and burn-up rate are concerned, and thereby efficiency optimisation of boiler
- Assistance in the event of faults and damage (research of causality)
- Problem solving activity for all kinds of firing systems, such as gas, oil and special fuels
- Regular inspection of the safety-related interlocks of boiler and burner management

LARGE STEAM GENERATORS

- Assistance at regular inspections by authorities (boiler interlocks, burner controls)
- Utilisation of the steam generator’s optimisation potential
- Boiler inspections and assessment/accident analysis
- Assistance at revision and recommissioning
- Improvement of availability and service for life time extension
- Emission reduction for observance of legal limit values
- Operating assistance

MEASURING TECHNOLOGY

- Test programs for acceptance measurements and efficiency determination from the planning to the presentation of results
- Assessment measures of actual condition prior to reconstruction/adaptation
- Optimisation of plant setting as regards economic efficiency, operational safety and assurance of an operation according to legal regulations as well as preparation for legal inspections
- Video documentations and analysis of firing systems
- Measuring technology relating to temperature, pressure and flowrate for various media
- Ultrasonic measuring technology for volumetric flow and wall thickness
- Gas analysis/emission measurements
- Isokinetic dust measurements for all (two-component) mixtures
- Registrating measuring technology
- Analysis of all kinds of fuels and materials
- Hiring out of measuring instruments

Due to our extensive experience in power plant technology we have an ideal starting point for the preservation and optimisation of your plant.