

Condition Management

For increased productivity



Our highly specialised condition management solutions are targeted to power plants and industrial facilities. They aim at reaching improved reliability, increased productivity and having better control of your asset and risk management.

Our services combine a high standard of expertise with advanced technology. In close co-operation with our customer, we are able to identify the best possible choice for each application. These services are available on contracted or project based and can be also part of operation and maintenance contract.

Our services cover the condition management of all kind of rotating equipments such as: steam, gas and hydro turbines, generators as well as the condition management of process equipments, motors, power systems and transformers. All this comes with detailed analysis and measurement and reporting with recommendations.

We cover all aspects of predictive maintenance (e.g. condition management practises) of rotating machinery at power plants:

- Condition monitoring audits
- Specific plant and machinery condition monitoring plans
- Complete range of condition monitoring services, measurements and inspections, analysis, diagnostics and prognostics services
- Education and training for plant personnel
- Constant development of practises and methods
- Condition monitoring systems (online, offline, portable)
- Protection systems (both electrical and mechanical)

The condition management of turbines and generators cover visual inspection in different phases, electrical measurements, vibration monitoring of axis and shaft, thermal measurements, technical audits and analysis of results.

Key Benefits:

- Improved reliability
- Increased productivity
- Optimised cost and risk management
- Equipment life time extension

Predictive Maintenance

For cost-effective maintenance.

The predictive maintenance i.e condition management in power plants is primarily focused on the condition monitoring of rotating machinery. Predictive maintenance (PdM) techniques helps determine the condition of plant machinery in order to predict the timing of maintenance. PdM evaluates the condition of equipment by performing inspections, periodic and continuous (online) condition monitoring of equipments.

The goal is to prevent unscheduled shut-downs and perform maintenance actions in time when the maintenance activity is most cost-effective and before the equipment loses its optimum performance.

For further information:
Svante Johansson, tel. +358 10 454 2729
svante.johanssoni@fortum.com