

Turbines and Generators

We know turbine plants inside out



Our turbine plant expertise is based on more than seventy year's experience on steam and gas turbine and generator maintenance and overhauls as well as modernisation of turbine control and protection systems. The turbine endoscopic inspection is one of our special expertise in which we have been pioneering.

Maintenance and overhauls

We are an independent service supplier with a wide knowledge of all main steam, gas turbine, generator and turbine controlling system manufacturers. We can take care of the turbine and generator overhauls on full scope basis or under separate assignments.

In overhauls, our special expertise lies in the development of repair techniques instead of new purchase. This saves money for our customers.

Turbine plant main products:

For steam and gas turbines

- Planning of the overhauls
- Spare part management
- Steam and gas turbine and generator overhauls and modernisations
- Troubleshooting and repairs
- Installation of the turbine plants

Automation

- Modernisation of the control systems
- Installations and commissioning
- Field instrument inspection and calibrations

For generators

- Overhauls with electrical measurements and endoscopic inspections.
- Modernisation of the generator systems
 - Synchronisation
 - Excitation
 - Protections

Endoscopic inspections and condition monitoring

- Inspection charts (endoscopic)
- DT inspections (penetrant, ultra sonic, magnetic particle testing)

- Vibration measurements, balancing, thermal elongation (T-DAS), electrical measurements

Condition Management

Condition management of turbine and generator is the key for running a cost effective and efficient power plant. With our professional competence, you not only save in maintenance and operation costs, but have an efficient, reliable and profitable investment in your hands.

Endoscopic inspections

Turbine endoscopic inspections are our special expertise. Without opening the turbine, the condition of the turbine or the generators can be analysed and appropriate measures taken. The inspection done regularly with same methods provide comparable results.

With endoscopic inspection our customers can save a considerable amount of money with extended overhaul time, short outages, longer life cycle of the equipment.

Our references cover hundreds of customers in twenty different countries in Finland, Sweden, in Europe and Russia.

Key benefits:

- Lower maintenance costs
- Long life cycle of the power plant equipment
- Longer turbine and generator maintenance intervals
- Shorter outage times
- Lower spare part costs

For further information, please contact:

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