

Specialist NDT inspections



To avoid costly replacement of plant, NDT is used increasingly to establish the condition and to underwrite the integrity of operator's plant. Using Specialist Inspections can reduce inspection times, improve defect detection, maintain accuracy of defect sizing and enable the inspection of components with complex geometries.

Product

RWE Power International has many years' experience in development and utilisation of Specialist NDT Inspection techniques. Our capabilities and experience are equal to any national/international experts. RWE Power International offers specialist inspections using novel techniques such as TOFD, Phased Array, Motorised Scanning, EMAT, Thermography, Remote Field Eddy Current, Meandering Winding Magnetometer and Remote Visual. Typical applications include:

- generator rotors and end rings
- turbine rotors, discs and blades
- boiler drums, headers and tubes
- steam pipe work, valves and chests
- condensers and heat exchangers
- gas Turbine Hot Gas Path blades and vanes.

Benefits

- customised inspections for critical plant assessments
- inspection carried out by experienced and qualified NDT engineers
- all specialist inspection equipment is provided
- previously 'unreachable' plant items are inspected
- improved accuracy of results for use in engineering assessments and plant life extension work
- highly reliable repeat inspections of critical areas of service plant
- optimisation of inspection costs and time during plant outages and breakdowns.