

## GT hot gas path inspection



Management of the GT Hot Gas Path portfolio of Inspections assists in determining the condition and integrity activities necessary for safe and commercial operational requirements. Techniques employed include innovative NDT methodologies for the inspection of complex, coated components manufactured from advanced high temperature materials.

### Product

RWE Power International has experience of all aspects of GT Hot Gas Path Inspection activities and can provide capabilities and experience, at a level equal to national/international experts. These activities include:

- in-situ inspection of 1st row blade/vane coatings, transition pieces etc
- advanced visual inspections of components and internal cooling passages
- inspection strategies for TBC and MCrAlY coatings
- surface and subsurface crack length assessment and depth estimations
- assessment of component suitability for refurbishment
- post refurbishment/repair surveys for coatings integrity
- preparation, validation and approval of NDT Work Instructions
- borescope with video recording capability.

### Benefits

- availability of RWE Power International's competency in all aspects of HGP inspection
- access to authoritative HGP management advice from RWE Power International's engineers
- determination of component integrity to facilitate run/repair/replacement decisions
- advance information of degradation
- rapid inspection of critical components during short outages
- quality assurance measurements for refurbished and new components.