

■ Objective

This course provides information aimed at the specialised and frequently extremely expensive materials used for turbine parts operating at high temperature.

■ Target group

Engineers and mechanical maintenance and operational technicians.

■ Duration

1 day

■ Content of the training

- The workings of a gas turbine and the impact on materials used
- Super alloys, including their composition and microstructure as well as thermal effects
- Coating: types and techniques for applying and removing top layers and their mechanical characteristics
- Mechanisms of damage: oxidation, corrosion, stress, fatigue
- Practical examples

■ Particular aspects

This course is an ideal way to become quickly acquainted with the recent developments in material technology for high temperature applications.

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