

■ Objective

This training course provides targeted knowledge relating to the characteristics and use of steel in mechanical constructions, depending on the composition and treatment of the material.

■ Target group

Engineers and senior technicians in mechanical maintenance and operations.

■ Duration

1 day

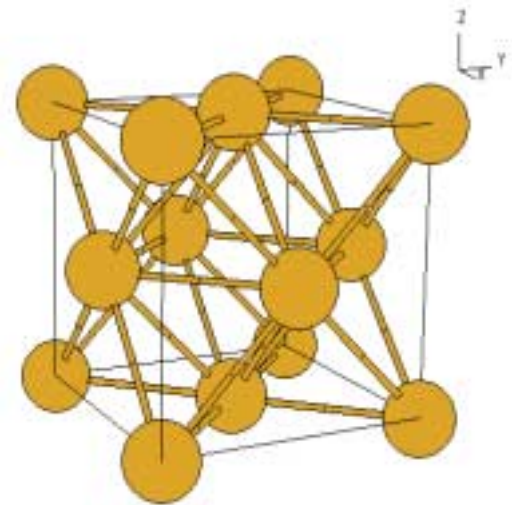
■ Content of the training

- Introduction to materials science
- Relationship between mechanical characteristics, thermal treatments and microstructure
- Tempering of carbon steel and treatments of other types of steel (stainless steel): practical examples
- Mechanical characteristics and examples of applications in the context of calculating stresses
- Classification of the materials used in power plants

■ Specific aspects

The course sketches out in a short timeframe the most important elements affecting the behaviour of steel based on its structure and treatment.

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