

■ Objective

This training provides basic knowledge of heating in tertiary buildings with a view to gaining better insight into suitably adapted energy-saving measures.

■ Target group

Technical and energy managers, process engineers.

■ Duration

1/2 day

■ Content of the training

- Definition of thermal comfort and comfort parameters: PMV, PPD.
 - Thermal losses and consumption: principles of heat loss calculation and calculation of the annual consumption on the basis of the degree-day method.
 - Types of heating installations:
 - Central heating systems:
 - Heat production using traditional boilers and condensation boilers
 - Heat distribution
 - Heat emission systems
 - Decentralised heating systems:
 - Electrical: direct or storage heating
 - Gas: radiation and convection appliances
 - Heat pump: principle and systems
 - Sanitary hot water and possible application of solar power
 - Practical examples
- Explanation of the Energy Performance of Buildings EPB.

■ Specific aspects

The training course may be given at any location.

- **Responsible:** andre.depreter@laborelec.com
Tel: + 32 (0)2 382 04 08



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Rodestraat 125
B-1630 Linkebeek
Belgium
Tel: + 32 (0)2 382 02 11
Fax: + 32 (0)2 382 02 41

www.laborelec.com