

TRAINING

ENERGY EFFICIENCY IN INDUSTRY

OBJECTIVE

This training provides a methodology for the continuous improvement of energy efficiency in industry. It is based on the practical experience gained with hundreds of energy audits.

TARGET GROUP

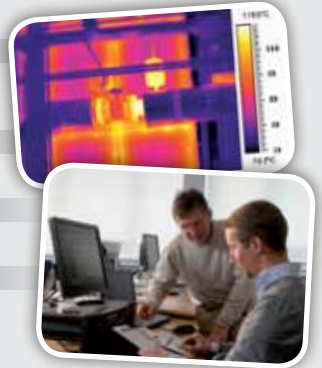
Technical and energy managers, process engineers.

DURATION

2 days

CONTENT OF THE TRAINING

- Climate policy and Energy efficiency: European Directives, and derived local regulations
- Methodology for continuous energy efficiency improvement in the enterprise: gathering and analysis of data, detection and quantification of improvement opportunities, performance monitoring
- HVAC in tertiary buildings: thermal comfort, thermal losses and consumption, centralized and decentralized heating, ventilation and air conditioning systems, needs, equipment and possible improvements for sanitary hot water,...
- Electric motors and variable speed drives: current technologies with focus on energy efficiency of motors and on variable frequency drives and applications in flow rate adjustments, with practical examples of calculations
- Compressed air: description of the current equipments with the focus on the assessment of the energy consumption and on energy savings opportunities in production, distribution and consumption of compressed air
- Industrial cooling: description of the main cooling systems (dry, evaporative, compression) with the focus on energy efficiency improvement by optimization of parameters, equipment improvements and heat recovery opportunities
- Industrial heating: description of the main heating systems (hot water, steam, thermal oil) with the focus on energy efficiency improvement by optimization of parameters, equipment improvements and heat recovery opportunities
- Indoor lighting: basic principles, sources of light and auxiliary appliances, management systems,



SPECIFIC ASPECTS

The training may be given anywhere, in Dutch, English or French. Groups of about 10 participants, allowing an interactive participation. The participants get a copy of the presented slides

RESPONSIBLE

jean-marie.dehoe@laborelec.com
T. +32 (0)2 382 02 57

Laborelec Belgium

Rodestraat 125
1630 Linkebeek
Belgium
T. +32 2 382 02 11
F. +32 2 382 02 41

RPR/RPM Brussels 0400.902.582
BTW/TVA BE 0400 902 582

www.laborelec.com
info@laborelec.com

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