



# 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

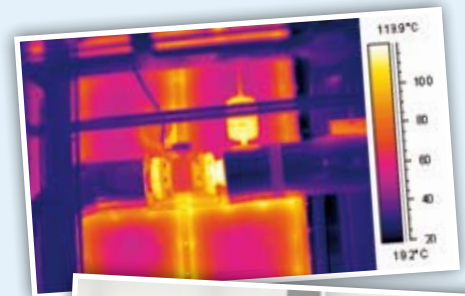
Technical and energy managers, process engineers.

### 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

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