

# TRAINING

## ENERGY EFFICIENCY IN TERTIARY BUILDINGS

### OBJECTIVE

This training starts with basic knowledge concerning energy consumption in buildings; it learns how to assess the improvements in an existing building and how to quantify the energy savings opportunities.

### TARGET GROUP

Technical and energy managers, process engineers.

### DURATION

1 day

### CONTENT OF THE TRAINING

- Explanation of the Energy Performance of Buildings (EPB) directive and derived local regulations
- Definition of thermal comfort and comfort parameters: PMV, PPD.
- Thermal losses and energy consumption: principles of heat losses calculation and calculation of the annual consumption on the basis of the degree-days method.
- Heating installations: centralized and decentralized heating systems (boilers, heat pumps, ...)
- Ventilation and air conditioning: assessment of needs, current technologies and improvement opportunities
- Sanitary hot water: calculation of needs and energy consumption, possible improvements, inclusive solar power
- Energy consumers in offices: vendor machines, IT equipment,...: assessment of consumption and best practices for their efficient use
- Practical examples illustrate all the parts of this training

### 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

- [bohdan.soroka@laborelec.com](mailto:bohdan.soroka@laborelec.com)  
T. + 32 (0)2 382 04 80
- [ralf.bosch@laborelec.com](mailto:ralf.bosch@laborelec.com)  
T. +32 (0)2 382 06 93

### 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](http://www.laborelec.com)  
[info@laborelec.com](mailto:info@laborelec.com)

### FIVE REASONS FOR YOU TO CHOOSE LABORELEC

- One stop shopping for your energy related services
- More than 40 years of experience
- Increased profitability of your installations
- Independent and confidential advice
- Recognized and certified laboratory

