

TRAINING

ENERGY EFFICIENCY WITH INDUSTRIAL COOLING

OBJECTIVE

This training starts with basic knowledge concerning industrial cooling systems; it learns how to assess the possible improvements of an existing installation and how to quantify the energy savings opportunities.

TARGET GROUP

Technical and energy managers, process engineers.

DURATION

1/2 day

CONTENT OF THE TRAINING

- Priorities and methodology for energy efficiency improvement: optimization of the cooling needs, optimization of the cooling equipment, opportunities for heat recovery
- Types of cooling: dry cooling, evaporative cooling and compression cooling;
- Description of equipment and typical energy savings measures: optimization of the cooling parameters, floating condensing pressure, intelligent defrosting systems, speed controls on the cooling tower fans, etc.
- Practical examples: various case studies are illustrated on the basis of our experience with energy audits.
- Exercises on practical calculations concerning energy saving measures

SPECIFIC ASPECTS

The training may be given anywhere, in Dutch, English or French. However a training day at Laborelec in Linkebeek allows for a practical demonstration of the test bench, where theoretical energy saving measures are demonstrated in real life conditions. Groups of about 10 participants, allowing an interactive participation. The participants get a copy of the presented slides

RESPONSIBLE

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