



# TRAINING

## Energy efficiency and electric motors

### OBJECTIVE

This training starts with basic knowledge concerning electric motors; 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

- Basic concept of DC motors, induction and synchronous motors
- Electric motor efficiency: impact of partial load and of variable speed, evolution of the standards,...
- Variable frequency drives, with a focus on their advantages for flow rate adjustment with regard to other techniques used with fans, pumps and compressors
- A few practical examples are shown.

### 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

*Laurent.devroey@laborelec.com*

T. + 32 (0)2 382 07 02



### 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

