



**Five reasons for you to choose Laborelec:**

- you have one-stop shopping for your energy needs;
- you get access to more than 40 years of experience;
- you get rapid service with reliable solutions;
- you increase the profitability of your installations;
- you benefit from independent and confidential advice.

For considered and rational use of energy



**Your center of expertise for energy management**

**Many years of industrial experience**

As the investigatory center of the electricity industry, Laborelec has built up many years of experience in all branches of industrial energy management. We have an extensive team of experts available for many fields of application. Thanks to this multi-disciplinary team we can offer you a total service in which all aspects of your energy housekeeping are examined. Our experts are completely independent of producers and installers, and so always advise you in all objectivity.

**Specialised service thanks to research**

Laborelec also conducts research projects in the field of the rational use of energy. These primarily consist of applied technological research, such as investigating new systems for energy saving, with a verification of the efficiency and the technical feasibility. In this work we have contact with a wide network of universities and research centers both in Belgium and abroad. Thanks to this background, we can provide you with up-to-date and highly specialised advice.



Rational Use of Energy

The technical Competence Center in energy processes and energy use. **From innovation to operational assistance.**

Laborelec : your center of expertise for energy management

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## A global energy approach pays

*In many companies, surprisingly large economies in energy are still possible. But the opportunities are not always immediately obvious. To get a clear look at all possibilities, it is necessary to examine the ways energy is used in minute detail. Compressed air, electricity, natural gas... they must form part of one coherent plan. The same goes with the generation of energy in a power station or a combustion chamber. Laborelec offers you a total approach for minimal energy consumption.*



### Intelligent with electricity and natural gas

Electricity and natural gas are ideal energy sources for very many applications, but in many cases they could be used even more effectively. For example, by optimising your use of electricity to take advantages of lower, off-peak prices, although you might not end up using any less electricity, the invoice you pay will be a good deal lower. In applications such as lighting, electrical motors or process heating, in many cases the efficiency can be increased remarkably with a limited investment.

### Economical with steam, water and compressed air

Networks for steam, compressed air or water have often grown over time. For this reason they sometimes cause great losses, without your being aware of them. Neither the structure of the network, nor the practical results are optimised to the energy consumption. So you need the sharp eye of an expert to point out all the improvements you could make. From simple, immediately applicable measures, to larger investments.

### Efficient incineration

Rational energy consumption starts straight away with the generation of electricity or heat. The efficiency of a combustion installation depends on many factors. The set-up of the installation, the composition and the nature of the fuel, the heat transfer, the boiler, etc. Again the total vision of an expert is necessary to be able to raise the efficiency as much as possible.



**The rational use of energy not only has a positive effect on your budget, the environment feels it too.**

## Thorough evaluation and real-life advice

*You can call on Laborelec for all aspects of energy management. Our experts can perform an audit, give advice, and supervise a project. They optimise existing installations, rationalise production processes or introduce new, more energy-respecting techniques. You can also call on them for measuring campaigns, feasibility studies, and energy studies of new equipment or techniques.*

### Insight into the savings [potential]

In an "Energy Check-up", the potential savings in your company are quantified. Experts in energy, water, steam or compressed air analyse the existing situation. With their extensive experience they can rapidly pick up on the weaker points and they can estimate the effect of particular means of economising.

### Probing advice in one area

You can also consult our energy experts for a wide-ranging investigation in one particular field (e.g. process heating, lighting, water, compressed air, etc.). After the necessary measuring campaigns and a thorough analysis, they evaluate a variety of savings mechanisms against one another. They make a first draft of modification work, calculate the investment cost and the pay-back time, and analyse manufacturers' quotations.



### Helping you with a successful implementation

With "Energy Savings Coaching", a Laborelec engineer works for a longer time-frame in your energy team. His job is to act as a catalyst so as to effectively achieve the proposed savings. Energy Savings Coaching has shown a clear correlation with results, and so forms a guarantee for the effective introduction and use of the energy saving measures.

### Measuring campaigns and applied investigations

Tracing heat losses? Measuring the energy consumption of an installation for process heating? Evaluating the energetic qualities of new lighting equipment? Analysing a new fuel? Whatever your question regarding energy consumption, the Laborelec experts are ready to give you an expert answer.