

# PROJECT PARTNERS

# EMSPI

Energy Management Standardization  
in Printing Industry



Co-funded by the Intelligent Energy Europe  
Programme of the European Union

## ENVIROS

Czech Republic, is a leading consulting company providing assistance mainly in the field of energy, environmental and business consultancy.



## FACTOR CO2

Spain, is well recognized for its knowledge on developing and applying climate change policies, mitigation and energy efficiency assessments.



**Factor**  
Ideas for change

## INNOWISE

Germany, is a research & consultancy company with special expertise in innovation management, knowledge & technology transfer.

**iNNOwISE**  
research • consulting

## GRAKOM

(Graphic Association Denmark), Denmark, is the principal organisation for Danish graphic companies composed by graphic production companies producing printed and electronic products.

**GRA  
KOM**

## DIENSTENCENTRUM

The Netherlands, supports around 400 media enterprises per year (mainly SME's) in their management of their business. Dienstencentrum is also coordinator of the EMSPI project.

**diensten  
centrum**

## ENERGY MANAGEMENT IMPLEMENTATION

Energy management is nowadays a subject that is inseparable linked to every company. Through an Energy Management System, companies are helped to meet the objective (or legal regulations) to comply with energy efficiency and savings with the aim of actively reduction of greenhouse gas. In the print media industry more and more companies show serious interest for this subject.

From the EMSPI-project there are a total of 110 notifications to participate in the implementation of ISO 50001. Companies had in some participating one and in other countries more workshops for the implementation of the Energy Management System according to the ISO 50001:2011.

In addition to the workshops, there were visits on locations, in order to note to what level energy management within the business is actually carried out. It was striking how many companies still were surprised with the amount of work required for the realisation of the objectives for EMSPI-project. That was not all to the adaption work of the developed blueprint material to their own business operations, but a major task was to gather the right energy data. Collecting energy data turned out to be the real challenge. Especially for smaller companies, which until recently, did nothing with energy monitoring. For the big companies it seemed something simpler since they keep track of energy data from the legal framework.

A final meeting with participating companies was organized. At the meeting, the interim results, based of all data collected, were presented. On the positive side, the target for energy savings achieved are good. As regards the potential CO2 reduction the result so far to call itself particularly well: the goal was 880 tons of CO2 reduction per year and it seems to be heading for more than 3,000 tons. The companies found this a good result and eventually see in practice how the effort over the last few months results in a success.



For more information about this project and deliverables, visit the website:  
[www.emspi.eu](http://www.emspi.eu). You can also find and download the reports at the website.

In addition, presenting the results in the meeting experiences were exchanged. The energy managers of the participating companies indicated they would like more information about the payback periods of investments (ROI). To reach the goals technical improvements can be necessary. The financial part of it is also very important. On the other side companies indicated that if many energy saving measures were implemented, it was no longer certain that some more savings could be achieved. Taking part in the EMSPI project made sure for internal increase in energy awareness among colleagues and the topic 'Energy' is back on the boardroom making it again as a serious management issue.

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From the evaluation of the implementation process, it appears most of the companies were satisfied with the EMSPI-developed material. It appears a large amount of participants are satisfied or very satisfied with the support throughout the implementation project. The participating companies also give clearly they actually expect to achieve energy reduction and will – by the pragmatic approach – recommend the EMSPI material to fellow companies.

We can therefore conclude that the EMSPI project is on its way to be successful. That success has been achieved by the good contribution of the participating companies.

## EMSPI REALLY CHANGED THE ATTITUDE OF ENTREPRENEURS



One of the most important outcomes of this project is the increase of the awareness level of entrepreneurs of the printing houses. Due to the fact that energy is (still) not a 'hot topic' for the management table, a reduction of energy - and therefore greenhouse gases - is not happening. On the contrary: the production of greenhouse gases is continuously rising in Europe. A serious change is needed to stop this contribution to global warming. EMSPI – with its tailor made energy management system - could be the answer for the print media sector.

But energy reduction will only occur when the awareness level of entrepreneurs of SMEs increases. The entrepreneurs should see the relevance and added value of energy management for their company. This in fact is one of the main goals of the EMSPI project: raising the awareness level in SMEs.

To get a general overview of the awareness level of SME's per country about the relationship between EnMS and other management topics, a Self-Assessment tool ([www.self-assessment.eu/emspi/](http://www.self-assessment.eu/emspi/)) was created by the project as an extra deliverable with 15 general orientated questions about all issues of energy management. The results of this tool provides the consortium a clear viewpoint on the level of integration of energy management in the present organisation level of the SME's. The conclusions can be reached by analogise the results from the first stage (0-assessment or Baseline-assessment) with the final results of the last measurements (Final assessment).

More information and the tool you can find on the website: [www.emspi.eu](http://www.emspi.eu).



## ENERGY REDUCTION AND ENERGY MANAGEMENT IN YOUR COMPANY

Taking decisive actions in reducing the energy consumption in your company, is a task that maybe sounds easy in the beginning, but is sometimes much more complex to bring this in practise. Gathering the relevant energy data is challenging in the beginning because in this project we learned in practice that a lot of companies don't have direct access to this information. But saving money, a good reputation on the green level and taking care of the environment is the reward for the company at the end of the process. So don't hesitate and start with energy management!