



STEAM UP

This Newsletter is addressed to decision makers and technical staff of industries that use steam systems for their energy demand. It is the first issue of the recently started STEAM UP project that aims to achieve radical improvement of energy efficiency in industry. The project is undertaken by Austria, the Czech Republic, Denmark, Germany, Greece, Italy, Spain and The Netherlands and co-funded by the European Horizon 2020 programme.

Newsletter 01
October 2015

Steam Up: “Business case for energy efficiency in industry”

Industries that use steam or electrical motor systems are responsible for 70% of the total energy-saving potential in this sector. Only a small part is exploited by these industries. Board Members and CEOs perceive no business case for energy efficiency policies and no supporting organisational structure is established.

Even if companies carry out audits with promising results, there is a lack of follow up and implementation of measures. STEAM UP aims to:

- 1) increase attention and interest of high level management by presenting the advantages of energy saving measures tailored to the needs and language of managers ,
- 2) raise awareness of the additional benefits of energy-saving measures in terms of maintenance, production and quality, and the need to include 'life cycle' costs in the decision making process
- 3) improve the audits and include more detailing, and organisational requirements
- 4) develop and implement a training programme for energy auditors and technical and facility staff
- 5) Improve monitoring and verification of impact of energy saving measures on maintenance, production and quality.

STEAM UP will develop and implement 'in-depth' audits to close the gap between the results and actual energy saving. The focus is on users with the largest (70%) saving potential: steam and electrical motor systems.

First results

Inventory state-of-the-art

Over the last months, an inventory is carried out among 55 enterprises, 45 energy auditors and 14 EU-member states on steam, audits and management practises. A summary of the report will be published shortly. The results strongly support the concept of the Steam-Up project to focus on the involvement of higher management by building a business case for energy efficiency and promoting an energy management structure. This is also strikingly described in the recommendations of a recent publication from the Energy Efficiency Financial Institutions Group: *“Raise energy efficiency opportunities at board-level and implement appropriate strategic resource investments to capture their multiple benefits within the natural company investment cycle.”* It shows the Steam-Up project is moving into the right direction.



Upcoming events

The analysis on the current state of energy efficiency in European steam systems, to be published in October.

IEA Workshop on Behaviour and Cultural Change in Enterprises - The International Agency organises an international workshop November 12-13 in Paris. STEAM UP will be represented to bring in new insights from the analysis among European enterprises

STEAM UP is preparing to take part in the European Energy Week and ECEEE 2016 – more news coming soon

www.steam-up.eu



Source: Steam Up (interactive Gantt-Chart for realization management)

Energy Management Centre: Closing the Gap between Energy Audits and Management

Within the Steam-Up Consortium, the German partner Adelphi develops a web-based “Energy Management Centre” (EnMC) to overcome those obstacles. Energy Auditors can use the EnMC to summarize their findings from an investment point of view.

Subsequently the Energy Management Centre automatically prepares management-friendly Action to support realisation of measures also after decisions have been made upon investments, the EnMC e. g. provides an interactive Gantt-Chart allowing quick and easy definition and time planning for specific tasks. Further functionalities of the EnMC cover Monitoring, Best-Practice and an Energy Forum.

Development started March 2015 and since then made good progress, all key functionalities regarding the reporting auf Audit summaries are already functional. Completion of the whole Web-Application and release on github is planned for 1st December 2015. The EnMC is an open source and will be available in Czech, Danish, Dutch, English, German, Greek, and Italian and Spanish language.



Source: Steam-Up

Steam-Up website

A multi-language website is developed providing information about Steam Up. The website is developed by RVO (contents and graphic design) and adelphi (implementation, hosting and maintenance). At the current state, the Content Management System (Drupal) is finished and texts in English are implemented.

Next step is the translation of the website content into Czech, Danish, Dutch, German, Greek, Italian and Spanish language by the consortium partners.

[visit website](#)

Online Survey for Auditors

In order to promote the Steam-Up project among and to gather information about energy auditors, a questionnaire was developed. While RVO defined the questions, adelphi implemented the questionnaire as an online survey. Evaluation of the questionnaire is being done by RVO.

Country Report

This country report presents the information about the structure of industries, promotional schemes for energy efficiency and steam application in Germany.

Framework for the structure and content for the country report was the questionnaire that was used for the inventory.



Country Report Italy

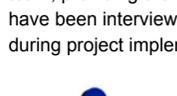
Country report on industrial steam use

The current Italian industrial steam use has been estimated by ISNOVA, with the cooperation of Consulsystem. The country report on industry steam sue in Italy has been produced.

Energy expert involvement and Industrial interview

For tasks 2.3 and 2.4, both the two Italian partners were involved; in particular, Consulsystem was in charge of the collection of information from industrial companies, while ISNOVA had the responsibility to create a list of the energy-audit experts involved. The implementation of these two tasks were quite difficult since, in both the cases, it is necessary to get the willingness of energy experts and industrial steam users to be involved in the project planned activity.

As preliminary results, by the end of July, more than 17 Italian energy audit experts filled in the questionnaire developed by the STEAM-UP team, providing the information requested; furthermore 10 enterprises have been interviewed. Collection of further information will continue during project implementation.

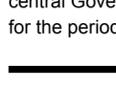


STEAM-UP promotion in SMEs

Currently, the implementation of Energy Diagnosis in the industry sector in Italy is ruled by the Lgs. Decree 102/2014. This Decree entered into force on 4 July 2014 for transposing the Directive 2012/27/EU. Article 8 of this Legislative Decree requires that large enterprises and energy-intensive enterprises must undergo energy audits on their production sites by 5 December 2015 and at least every four years. A help desk, managed by ENEA, is operating in order to provide information to enterprises.

In addition, in May 2015 the Italian Ministry of Economic Development and Italian Ministry for the Environment, Land and Sea launched jointly the first call for proposals addressed to Regions for co-financing energy audit in small and medium enterprises (SMEs). To this purpose, the central Government has made available an amount of € 15 million/year, for the period 2014-2020.

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