

STEAM AND MANAGEMENT UNDER PRESSURE

Newsletter 2 – March 2016



How the value of Non-Energy Benefits Improves the business case of an Energy management systems by a factor 2,5

Companies that implement an active climate policy and that invest in CO₂ reducing measures, have a 20% better performance than those who do not. But despite upcoming legislation and standardisation, and the large variety of good practices in large businesses, such as AKZO Nobel and Philips, too many Decision Makers in large enterprises do not yet see the business case for systematic energy management and postpone taking action. How to convince them? Steam Up expert in business models and extra benefits, Erik Gulberg, has some clear ideas.

Clear Financial Advantages

'Even besides the social and climate responsibility that each enterprise has to take into account these days, there are clear financial advantages in introducing and maintaining an energy management system. There is the benefit of water savings: you can take measures to optimise blowdown, keeping steam traps from blowing, fixing leaks and returning as much condensate as possible. These are simple to take measures with immediate financial gain. There are safety issues at stake: insulating pipes and fixing leaks reduces the risk for the employees on getting burned.

And keeping boilers tuned prevents explosions.

Increase of productivity

Energy management systems lead also to an increase of productivity: non-working steam traps reduce heat transfer and can result in production time delays, pipes that are not insulated, will increase condensate in steam pipes which with traps can lead to poor heat transfer. And last but not least the measures will lead to a reduction in chemicals: not maintaining proper water quality leads to using more expensive chemicals.'

'With the 75 audits in steam using enterprises, the extensive training programme, and the spin off that will derive from these, STEAM UP can potentially convince both decision maker, technical staff and bookkeeper that it is

Specialised News for Decision Makers and Technical Staff of industries with steam systems for energy demand.

Upcoming International Events

-June 13-17, Brussels: Round Table at the European Energy Week (to be confirmed) with representatives from enterprises, government, technical staff and business support organisations.

- September 13, Berlin: STEAM UP workshop at the ECEEE for Industry

Extra benefits of taking energy efficiency measures:

- Increased production
- Better safety control
- Improved position

Erik Gulberg

Your Energy, Denmark

worthwhile to invest in energy management; that this will not only lead to a lower energy bill for these energy intensive companies, but also brings tangible extra benefits'.

'In short: Time to change the perspective: there are substantial benefits on top of energy efficiency''

Steam-Up at IEA workshop on influencing behaviour and decision making

Worldwide energy efficiency and behaviour experts discussed the uptake of an energy efficiency culture in businesses. Visit www://steam-up.eu for presentations.

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The Steam Audit Methodology

Steam is used by many industries as a useful medium to transfer and deliver heat to industrial and chemical processes. The steam system is a key part of the industrial process, and a significant cost item for many companies.

STEAM-UP has developed a methodology for an in-depth audit, using the results of the survey among more than 55 companies. The audit is designed to support operational business and including extra benefits. The project team will carry out a total of 75 in-depth audit for steam to support industrial companies in identifying opportunities to improve energy efficiency of steam processes. The in-depth steam audit is a package consisting of a technical audit, combined with a tailored approach for each industrial client.

The audit starts with the selection of an energy team that will collect data and propose energy efficiency measures for the steam system. The outcomes of the audit can then become part of a site wide energy management system that includes the implementation of the measures identified in the energy audit. Is your enterprise interested in having such a steam audit carried out on your premises: contact your national STEAM-UP contact person (<https://www.steam-up.eu/en/contact>).

Release of the Steam-Up Energy Management Centre

The Steam-Up Energy Management Centre (EnMC) is released in February 2016 under the Domain: www.energy-management-centre.eu.

IEEnMC is a web-app that reduces the efforts of Energy Managers when implementing efficiency measures. Auditors use the EnMC as a solution to report the most important findings. Energy Managers then directly apply the EnMC for organizing the realisation process.



The EnMC offers:

- Interactive Gantt chart for time planning, allocation of responsibilities, description of tasks
- Dashboard with action plans (prepared by the auditor) and a reminder for deadlines
- Generation of business case descriptions and management reports
- Monitoring solution
- Social Network for energy managers and energy auditors

The EnMC will be applied for approx. 75 audits across Europe. All energy auditors and energy managers worldwide can use it for free.

Launch of Steam Up Training Programme

The main objective of the training programme is to enable technical and financial staff to apply the steam audit methodology, use the Energy Management Centre and present a solid business model to the top-management.

The training programme will include essential knowledge regarding smart technologies in steam generation, distribution and maintenance, and modern efficient technologies. It will also introduce participants to the use of the Energy Audit Methodology including technical and financial indicators. The training provided will enable steam auditors to conduct in-depth audits that detect energy efficiency measures by means of a specific methodology and practical tools.

STEAM UP invites steam or energy experts and engineers at industries, energy auditors and energy managers, research and educational institutions with expertise on this issue, heads and engineers from the industries already cooperating with the Steam-Up project, engineering companies and suppliers working actively with industries and steam systems installers or maintainers. European Energy Managers (EUREM network) will be warmly welcomed as well. These participants will achieve optimal benefits from the tailored Steam-UP training. More information:

[www:// steam-up.eu](http://www.steam-up.eu)

Revision ISO 50001-2011 better align with other management systems

Almost 5 years after its successful introduction, with more than 7000 certifications already worldwide, the ISO 50001 is currently being revised. This to include the gained work experience with the standard but also to take the opportunity to align it better with other management standards like ISO 9001 and ISO 14001. For this ISO developed a High Level Structure for all management system standards. This will facilitate the easy integration of ISO 50001 with other management systems already in place in organizations and relieve the perceived burden for implementing the system.

Within the ISO Technical Committee (TC) 242 currently a Commission Draft is finalized that will be commented on during the next TC meeting in the week of June 13th in Stockholm. If you want to get involved in the process of drafting as an expert or deliver your inputs to the respective drafts you can best contact your national standardization organization. For more information:

[CEN CENELEC](http://www.cenelec.eu)



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