

STEAM UP IS ON STEAM

Newsletter August 2017



This Newsletter is addressed to decision makers and technical staff of industries that use steam systems for their energy demand. It is the third issue of the 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 Horizon2020 programme.

Should we hurry?

Our Steam-UP project develops a methodology to identify energy saving measures and to ensure these measures will be implemented. We think this can be achieved by involving the company's management and working in an 'energy action team'. In addition we identify Non Energy Benefits (NEB's) to create a healthy business case.

This method is now tested in 70 of the in this pilot total of 75 aimed companies in all participating countries: Denmark, Czech Republic, Germany, Italy, Spain, Greece, Austria and the Netherlands.

Recently I asked a company to join the Steam Up pilot and explained the body of thoughts of the method. The person in charge was very interested. I also asked for commitment in advance to invest in cost-effective energy saving measures. Then it got a little quiet... "Of course I can't commit to that in advance; before doing any investment I need to know what exact measure(s) we are talking about" he said. I asked what was needed to get the companies commitment, in addition to a guaranteed short payback time. "I will let you know the answer" he said. He said he will talk to the company's management first to get them committed too. "Should I hurry up?" he asked me. Of course he should! First of all because there will only a few more audits be done in the framework of this project. But secondly, and most importantly: we should make as much pace as possible to achieve the higher goal to be 100% sustainable in 2050. So let's Steam Up!

Michiel Steerneman, Project coordinator



STEAM UP
www.steam-up.eu

LinkedIn

twitter

What makes someone a Steam Up Expert?

In most countries steam expertise is not officially organized, and this is also the case in the participating countries in the Steam Up Project. However, there are two exceptions. The Netherlands has a dedicated Steam Platform ([Stoomplatform](#)) where experts from suppliers and (independent) consultancy firms can join. Italy is the only country where steam experts can be certified as 'Energy Management experts with the expertise to perform steam audits. This is done by [Accredia](#)', the non-profit National Accreditation Body (for many expertise disciplines).

In most countries steam expertise is only available at steam equipment suppliers. A high level of expertise is definitely available at these organizations, however, they cannot be seen as fully independent since their business consists of selling brand equipment. In these countries additional (independent) expertise will have to be gained via steam using enterprises or via expertise in the Steam Up partner countries. The Steam Up consortium defines the criteria for a steam expert as follows:

- Education at the level of higher vocational education and a Bachelor of science degree or engineer or a demonstrable equivalent level of education.
- Experience in the field of energy saving in industries
- Involved in work with at least 10 steam plants
- Able to provide independent advice

If you meet these requirements and want to be listed in the Steam Up Expert list, you can send your motivation and CV to eugenie.balde@rvo.nl. Your request will also be assessed by the Steam Up partner in your country.

In-depth steam energy audits

In-depth steam energy audits are aimed at detecting possibilities for improvements in the steam production, distribution and end-use, with the aim to increase the energy efficiency, overall energy management and to contribute to

CO2 mitigation. Energy audits constitute a tool that, together with the companies policies and energy programmes, provide insights to the management team to take decisions on operation changes and investments.



In-depth energy audits assess the current situation and the potential to reduce the energy consumption in the industry, supporting the company targets in energy efficiency, costs reduction, operation and maintenance, as well as providing non energy benefits. The process is relatively simple: it starts with collecting information related to the company and its energy systems, followed by a technical visit to the factory by an expert and is concluded with a professional report with the outcomes and conclusions of the steam energy experts.

Steam Up experts in all participating countries have already carried out many energy audits, with very promising results. Many conclusions of the studies already led to implementation of improvements, or are about to be implemented: renovation of steam boilers, improvements in the control system of the steam production, new valves with improved electronic systems or more efficient circulation pumps. Heat recovery by economizers, isolation of valves and pipes, improvement in reduction of leakages and maintenance and increase in condense recovery were also assessed.


STEAM UP
www.steam-up.eu

LinkedIn

twitter

