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EU funding programme: Horizon 2020



Name of Project/Programme & Link to website

Steam and Management Under Pressure: STEAM-UP

<https://steam-up.eu/en>

Description of Project

The project aimed to assess the substantial and easy to reach energy-saving potential of steam systems in heavy industries, to support the EU objectives for energy efficiency. To this end, STEAM-UP presented concrete business cases to decision makers, based on 75 detailed audits from several European countries. A capacity-building programme for technical staff and consultancies ensured a good return on investments. This project focused on the large, energy-intensive industry but the methodology will also be applicable for SMEs.

Aim/Expected Impact of Project

The objectives and goals of the "STEAM-UP" project were:

- Bridging the gap between audit results and implementation by developing an in-depth steam audit covering:
 - State of the art steam expertise;
 - Involvement of all stakeholders in the enterprise;
 - Identification of non-energy benefits to strengthen business cases;
 - Energy management to secure prolongation.
- Reducing the effort for measuring implementation by developing an integrated solution for business case reporting and energy management implementation.

- Achieve energy savings during this action of 55,6 GWh/a through piloting 75 of the in-depth steam audits.
- Building capacity amongst 500 energy auditors for the use of the in-depth steam audit methodology in their daily practise.
- Building capacity amongst 75 enterprise stakeholders on steam and the business benefits to increase steam efficiency.
- Building capacity amongst 40 energy management-training providers to enable integration of the in-depth steam audit methodology in regular energy training programmes.
- Promote knowledge transfer.

The project "STEAM UP" also achieved the goal of bridging the significant gap between promising audit results on the one hand, and implementation of cost-effective and easy to implement measures on the other.

- Past efforts to assess this potential have failed, but the main obstacles have clearly been identified;
- No obvious business case;
- Insufficient technical expertise on energy efficiency through-out the chain;
- No supporting organisational structure.

Involvement of the Agency and Link to the EU Green Deal

This project is a consortium of 10 partners from Czechia, Germany, Spain, Austria, the Netherlands, Italy, Greece and Denmark. The project is coordinated by the Netherlands.

Smart Integration/Just Transition