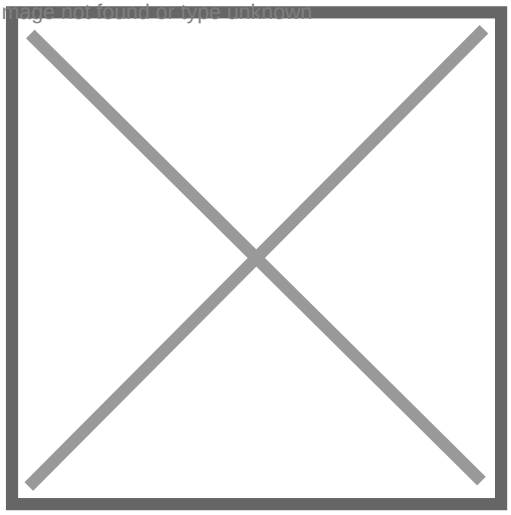
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EE-18-2015

Indus3Es

Full Title: Industrial Energy and Environment Efficiency

Aim:

Indus3Es project focuses on the development and demonstration in real environment of heat recovery in large industrial systems. The Indus3Es project will develop an innovative Absorption Heat Transformer to recover the low temperature waste heat, nowadays rejected from industries, due to the low quality of heat and the currently used technologies. A single effect heat transformer can increase the temperature of approximately 50% of the waste heat by approximately 50K (depending on available heat sink).”

Concept:
A focus on the Indus3Es AHTs Assesment Tool Energy-Intensive Indus3Es need to reduce their primary energy consumption in order to increase their effectiveness. This would lead to an increase in their competitiveness and a reduction of their product’s embedded energy and carbon footprint. Absorption Heat Transformers (AHT) are designed to recover and revalorize industrial waste heat below 130°C. AHT revalorizes almost 50% of recovered waste heat, boosting the temperature and becoming usable in the industrial process again. The aim of this tool is to study the feasibility to implement Indus3Es AHT technology in your industrial process! In this tool, you can enter the charactheristics of your waste heat streams and calculate the operation and implementation costs of AHTs in your processes. The tool will ask you for your process waste heat information trough several steps. You will find information for every asked parameter. Please, fill in the information for the requested parameters, at the end of the process a report will be automatically created that details your data and provides a feasibility study on the implementation of AHTs in your process. The tool is available at

the following link https://api-indus3esweb.azurewebsites.net/. It is also accessible by surfing the project website.

Start date:
01/10/2015

End date:
30/04/2020