



## Project Fact Sheet

<b>Project full name and project acronym</b>	Foundry Energy Efficiency Benchmarking - Foundrybench
<b>Programme area</b>	SAVE - industrial Excellence in Energy
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<b>Project website:</b>	www.foundrybench.fi
<b>Partners:</b>	<p>AX-LVI Consulting Ltd, Finland</p> <p>Institut fuer Giessereitechnik gGmbH, Germany</p> <p>Swerea SWECAST AB, Sweden</p> <p>Foundry Research Institute, Poland</p> <p>Centre Technique des Industries de la Fonderie, France</p> <p>The International Meehanite Metal Co Ltd, United Kingdom</p> <p>Fundacion Tecnalía, Spain</p>
<b>Project duration:</b>	01/01/2009 – 31/12/2011
<b>Project budget:</b>	€ 1.529.861,00 (EU contribution: 75%)
<b>Contract number:</b>	IEE/07/585/SI2.500402
<b>Benefits:</b> (max. 150 characters incl. space)	Improvement of energy efficiency is an effective way of reducing the production costs and reducing carbon dioxide emissions of European foundries.
<b>Keywords:</b>	Foundry technology, Energy efficiency, Benchmarking
<b>Summary:</b> (max. 1200 characters)	<p>Foundry production is energy intensive, where adoption of best energy solutions offers great energy saving potentials. The project has developed a methodology for energy saving analysis and training. The energy saving analysis are developed through case studies at 15 pilot foundries. The overall goal of Foundrybench is to foster energy efficiency and rational energy use in the metal casting sector. The project will provide pilot foundries the information on their energy use and energy flows. A pool of energy saving options generated through these energy analyses will be described in a guide of the best energy saving solutions for foundries. An online database to reach a wider foundry sector audience will be launched.</p> <p>An Energy Efficiency Index for the metal casting industry, taking into consideration the production technology and product type will be developed. The benchmarking results will be actively promoted among foundries and policy makers to improve the foundry industry's energy performance. The project consortium consists of 8 partners from Finland, Sweden, Germany, UK, Spain, France and Poland. The partners are recognised consultants, research institutes and industry associations.</p>
<b>Expected and/or achieved results:</b> (max. 5 points)	<p>-Foundrybench developed a good practice guide and database of the best energy saving practices in foundries, containing practical information on energy saving solutions and their effect on energy consumption and costs.</p> <p>-Foundrybench created a common foundry energy efficiency</p>

	<p>audit system for European foundries</p> <ul style="list-style-type: none"><li>-Foundrybench developed deliverable D3 Common energy analyses methods for foundries. This D3 (as well as other public deliverables) is available on the project website.</li><li>-Foundrybench will raise the awareness of opportunities to reduce energy use and stimulate the spread of best practices for energy efficiency improvement in the foundry sector.</li><li>-Basically Foundrybench had three main characters: energy audits and its standardisation, significant energy savings and practical tools how to achieve the savings</li></ul>
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