S-MC-S

Project ID: 260090
Funded under: FP7-NMP

Sustainable Mass Customization - Mass Customization for Sustainability

From 2010-05-01 to 2013-04-30, closed project

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tr>
<td>EUR 5 079 101,69</td>
<td>FoF.NMP.2010-2 - Supply chain approaches for small series industrial production</td>
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<tr>
<td>EU contribution:</td>
<td>Funding scheme:</td>
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<tr>
<td>EUR 3 464 881</td>
<td>CP - Collaborative project (generic)</td>
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<tr>
<td>Coordinated in:</td>
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<td>Switzerland</td>
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Objective

The S-MC-S project aims at supporting European manufacturing to adapt to global competitive pressures by developing methods and innovative enabling technologies towards a customer oriented and eco-efficient manufacturing. To this end, S-MC-S vision is to define and research a new production paradigm, Sustainable Mass-Customization, while also presenting Customization as one of the main driving forces behind the future success of Sustainability. Nowadays, companies still fail to profit from mass-customization because of: I- there is no real networked environment, based on a common strategy and appropriate Supply Chain, meant to empower mass customization along the entire value chain, nor specific methodologies and tools to handle Mass Customization (MC) implementation. Current industrial MC solutions are focused on single companies, thus far behind from the implementation and exploitation of the concept of multi-site multi-nation factory (and the related logistic, legislative, organizational aspects); II- the evaluation of Mass Customization implementation must move beyond the mere assessment of economic aspects, steering towards the integration of Environmental and Social consequences into the assessment of the value chain. S-MC-S addresses these issues by promoting 4 RTD Pillars: 1) Design Tools: defining methodologies and tools capable to manage growing complexity of product, production and supply chain configurations imposed by MC implementation in a networked environment. 2) Assessment model: defining the assessment model needed to evaluate the impact of production systems and different supply chain configurations 3) Business Model: defining the framework and strategies for creating economic, social and ecological value through the systematic implementation of S-MC-S paradigm. 4) New specific MC technology: researching pilot MC enabling technology in 3 different sectors, to support manufacturing transition towards sustainable MC (leather; furniture; stone)
Coordinator

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EU contribution: EUR 318 000

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