



## MUSIC Project – First Review Meeting

### “Multi-layers Control&Cognitive System to drive metal and plastic production line for Injected Components”

Eibar (Spain) September 18th-20th, 2013

The first review meeting of the MUSIC Project was hosted in the new I4K – TEKNIKER building, in Eibar, where all partners gather to report on their activities to the European Officer and to the appointed European experts as project reviewers. Three “examiners”, related to both private companies and public institutions, were required to evaluate the project progress from a technical and scientific point of view in order to verify the project assessment and the results achieved along the first year of activity. This time frame is usually the most critical one, since the project ideas, estimations and plans have to be brought into real facts and actions, proving that the project approach is solid and the final targets are realistically achievable and very clear in mind.

The central topic of the MUSIC project, that of creating and using a cognitive system able to analyze, control and predict the quality of High Pressure Die Casted components as well as Plastic Injection Molded parts, has required, along this first year, a considerable research activity in order to provide a clearer view on needs and expectations of the industrial sectors, investigating the most common and significant defects and understand the corresponding priorities, in relation to cost and energy saving, higher quality and minimized scrap in HPD and PIM processes thanks to intelligent and agile manufacturing.

Work-packages 1 and 2, respectively mainly focused on product and process requirements and data acquisition&management have been successfully reported to the experts. The results of a survey concerning the HPDC sector, carried out in collaboration with the European StaCast Project (Grant n. 319188, FP7-NP-2012-CSA-6), have been presented, as well as the planning of a similar activity to be managed with reference to PIM processes.

Starting from this primary research, the next step will be the development and integration of a completely new ICT platform,

based on innovative machine learning system linked to real time monitoring, that will allow the active control of the quality of High Pressure Die Casting (HPDC) of light alloys and Plastic Injection Moulding (PIM) process.

The reviewers and officer clearly expressed the positive evaluation of first period and their great expectations for the project future evolution. We don't forget our claim and we are proud to work so that MUSIC becomes a Symphony in Smart Factories.

### **The MUSIC Projects invites you to support its initiative concerning the survey related to the Plastic Injection Moulding sector.**

Visit the MUSIC Project website for further information concerning the project and to fill in the questionnaire, that aims at interviewing the EU industrial world to better understand how project outcomes and expected impacts could provide benefits and improve knowledge to be competitively applied for all potential customers at different levels (SMEs, Industries, Academia). <http://music.eucoord.com/news/body.pe>

All the collected information will be anonymously processed in view of the targets of MUSIC Project. The results of statistics elaboration of data will be made available to all the companies answering the questionnaire.

For more information, please contact us at [survey.musicproject.fp7@gmail.com](mailto:survey.musicproject.fp7@gmail.com)

### **MUSIC at the International CAE Conference**

The R&D area of the Conference hosted 14 running projects representing the different application sectors in which EnginSoft is operating, also thanks to European funding. It has represented an important opportunity to show the Project to a wide international and highly professional audience and some first prototypes were displayed.