

Athens, Greece, 23-24/01/2013: The Smart Manufacturing Execution System in FoFdation: Progress on research, implementations and demonstration

Athens was the location for the last meeting on the Smart Manufacturing Execution System (SMES) where 11 people representing 9 beneficiaries of the collaborative FoFdation project (The Foundation for the Smart Factory of the Future) met on 23rd and 24th January 2013 to present and discuss the status of the research and implementations done so far. The SMES is a new generation of Manufacturing Execution Systems which leads to meet sustainability goals through awareness, evaluation and optimization in the manufacturing sector.

During the last year, research and implementations on the SMES have been focused on enabling the collection and processing of indicators to evaluate the sustainability of production processes through the sustainability data collection and monitoring for KPI evaluation. Currently, research work is centred on using the collected data for the visualization of sustainability through KPIs at factory level and optimization of the energy usage and overall performance through scheduling and added functionalities.



Consortium partners discussing the status of the research and implementations of the SMES so far

Implementations on this area are being demonstrated through the FIAT use case, where goals are represented by the reduction in energy/resources consumption in production and the improvement in production performance at factory level. Such a demonstrator will be shown next March at the second review meeting of the project.

Other issues such as the integration of the SMES with other FoFdation systems, e.g. the next generation of numerical controller, or the cooperation with other European research projects were dealt during the meeting in Athens. Some other topics related to non-research activities, but of critical importance in such a project, were also addressed, i.e. the training, dissemination and exploitation of the results within the Smart Manufacturing Execution System.

For more information about the FoFdation project visit <http://www.fofdation-project.eu> and the project's social media pages, including Facebook ([#fofdationproject](#)) and Twitter ([@FoFdation](#)).

Acknowledgements:

This project is co-funded by the European Commission as part of the European Economic Recovery Plan (EERP) adopted in 2008. The EERP proposes the launch of Public-Private Partnerships (PPP) in three sectors, one of them being Factories of the Future (FoF). Factories of the Future is a EUR 1.2 billion program in which the European Commission and industry are collaborating in research to support the development and innovation of new enabling technologies for the EU manufacturing sector.

For further information please visit:

http://ec.europa.eu/research/industrial_technologies/factories-of-the-future_en.html