

Geneva, Switzerland, 17 & 18/01/2013: The Next Step in FoFdation: Setting-up Demonstrators Results of Research and Experiments will be Integrated

18 people representing 11 beneficiaries of the collaborative FoFdation project (The Foundation for the Smart Factory of the Future) met on 17th and 18th January 2013 in Geneva at GF Agie-Charmilles to present and discuss the status of the research and experiments done up until the end of 2012. Within the consortium mutual understanding and approval are needed to define the approach and set-up of the demonstrators in line with the use cases of Airbus, Centro Ricerche Fiat and GF Agie-Charmilles.

In two and a half years many (theoretical) research and experiments have been done on a next generation numerical controller, offline generation of optimized and predictable cutter paths, a manufacturing execution system enabling the collection and processing of sustainability indicators, and an enterprise content management system which brings live information of the previous systems from the shop floor into a management dashboard.

During the coming year and a half the consortium will focus on practically demonstrating their work, and proving and validating the results of research and experiments by setting up demonstrators at Ecole Centrale Nantes, Centro Ricerche Fiat and GF Agie-Charmilles.

GF Agie-Charmilles, a world leading manufacturer of Electric Discharge Machining (EDM) devices and one of the main players in the domain of High Speed Milling machine manufacturing, prepared a live demonstration of a prototype of process monitoring within wire EDM. The obtained knowledge will be used in future experiments for the FoFdation project.



Figure 1: Consortium members discussing the planned research and experiments



Figure 2: An Electric Discharge Machining (EDM) device at GF Agie-Charmilles

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