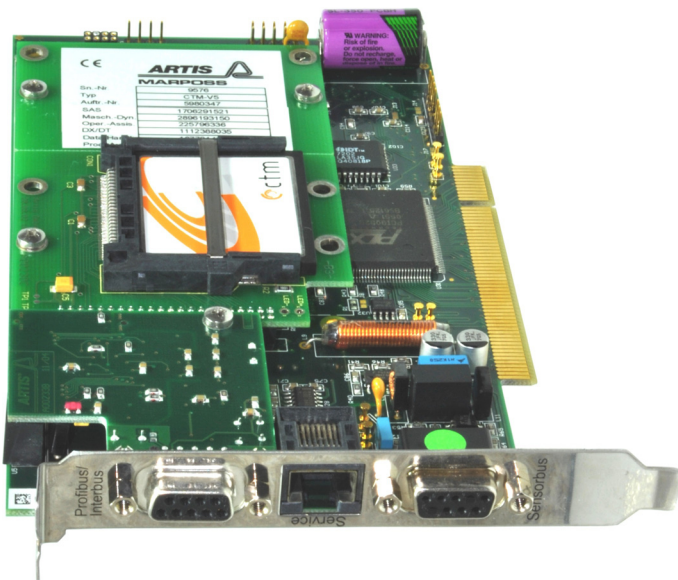


March 2013, Italy - ARTIS and CRF demonstrate FIAT Use Case in FoFdation project with CTM process monitoring solution

Demonstration of the first FoFdation results was planned for March 2013 at CRF, Centro Ricerche FIAT, in Orbassano, Italy. ARTIS' role was to set up and use the SMO, Smart Manufacturing Optimiser, which is to be used to meet FIAT sustainability goals.

SMO, Smart Manufacturing Optimiser, online unit (based on ARTIS CTM product):

SMO is based on ARTIS CTM monitoring unit, well known with 15.000 installed units world-wide. Demonstration was shown on drilling and tapping processes for FIAT cylinder heads, which represent the last important operations before motor block is assembled. To follow FIAT sustainability strategy the CTM unit is used to avoid scrap situations in production.



CTM monitoring unit

By monitoring these two applications inside a small bandwidth, it is granted in future that the motor blocks can be assembled without production disturbances. Work was carried out to explore the possibility of dynamic tool change due to wear situation, a technology which is available with the CTM tool monitoring solution. This solution together with its integrated process documentation feature helps CRF to gather deeper knowledge of the process and the opportunities to use ARTIS' in-process monitoring in order to achieve FIAT sustainability goals in manufacturing.

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