COMET-project

A Factories of the Future PPP success story

Jan Willem Gunnink

Delcam
Quiz-time: Answer and win the COMET-puzzle

(soon to be collectors item)
COMET-project

A Factories of the Future PPP success story

Brussels, Monday ..th ...... 2012
COMET-project

A Factories of the Future PPP success story

*Brussels, Monday 9th July 2012*
On the 9th of July 1810: ................ annexes the Kingdom of Holland as part of the First French Empire
On the 9th of July 1810: Napoleon annexes the Kingdom of Holland as part of the First French Empire
On the 9th of July 1922:

............... ....................(...........) swims the 100 meters freestyle in 58.6 seconds breaking the world swimming record and the 'minute barrier'
On the 9th of July 1922:

........... ...................(........) swims the 100 meters freestyle in 58.6 seconds breaking the world swimming record and the 'minute barrier'
On the **9th of July** 1922:

Johnny Weissmuller (Tarzan) swims the 100 meters freestyle in 58.6 seconds breaking the world swimming record and the 'minute barrier'.
On the 9th of July 2012:

......... ............ (coordinator COMET project) presents in Brussels:

‘COMET - A Factories of the Future PPP success story’
On the 9th of July 2012:
Jan Willem Gunnink (coordinator COMET project) presents in Brussels:

‘COMET - A Factories of the Future PPP success story’
COMET-project

A Factories of the Future PPP success story

Jan Willem Gunnink
COMET-project

A Factories of the Future PPP success story?

Jan Willem Gunnink

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Dear Jan,

I am reading your message this morning, in conformity with your wishes.
Thanks for the interest in our point of view.
For me the key messages are:

- COMET is addressing key issues of the FoF PPP (e.g. economic growth and jobs, worldwide competitiveness of machining/robotics sectors).
- COMET is a success story for the partners (e.g. good results, promising technologies, ...)
- COMET is a success story for the Commission (e.g. high industrial participation, SME involvement, good collaboration with the Commission...)
- COMET managed to become a success story because of e.g. clear ideas from the start, good management, realistic ambitions,...

I copy Jan who may have some other ideas.
I hope it helps.
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Credit:
Simon Sinek – Starting with Why
Why?
Every partner in COMET has a clear answer to that like Delcam’s:

Even if you are on the right track, you’ll get run over if you just sit there.

Will Rogers
US humorist & showman (1879 - 1935)
GOLDEN CIRCLE

WHY

HOW

WHAT

WHO

WHAT THE HELL DO YOU DO?

HOW DO YOU DO WHAT YOU DO?

WHAT IS THE PURPOSE?

WHY DO YOU DO WHAT YOU DO?

Credit:
Simon Sinek – Starting with Why
How?
The 5 C’s

**Commercial exploitation of innovations needed**

*Communication*

*Content*

*Control*

*Community money*
Credit:
Simon Sinek – Starting with Why
What?
In 30 months: accurate machining (0.05 – 0.1mm) demonstrated in 7 robot cells
GOLDEN CIRCLE

WHY DO YOU DO WHAT YOU DO? WHAT'S THE PURPOSE?

HOW DO YOU DO WHAT YOU DO?

WHAT THE HELL DO YOU DO?

Credit:
Simon Sinek - Starting with Why
From: X.X.X.X@ec.europa.eu

Sent: 25 June 2012 12:15
To: Jan Willem Gunnink
Subject: RE: PPP Information Days on 9-10 July: your possible involvement as a speaker on a FoF PPP Success Story

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IL5 Recovery Package: Public-Private Partnership (PPP) topics within NMP

The European Economic Recovery Plan adopted by the European Commission on 26 November 2008 and endorsed by the European Council on 11-12 December 2008 proposes actions to develop technologies for the manufacturing, construction and automotive sectors, which have recently seen demand plummet as a result of the crisis and which face significant challenges in the transition to the green economy. The Commission proposed to increase research financing through the RSFF instrument and to launch three Public-Private Partnerships (PPPs) to address these needs:

- in the manufacturing sector: a 'Factories of the Future' initiative to help EU manufacturers across sectors, in particular SMEs, to adapt to global competitive pressures by increasing the technological base of EU manufacturing through the development and integration of the enabling technologies of the future, such as engineering technologies for adaptable machines and industrial processes, ICT, and advanced materials (EUR 1.2 billion);

use of renewable and non-polluting energy sources, safety and traffic fluidity (EUR 1 billion).

These initiatives are part of a comprehensive, integrated package to be implemented in cooperation between all the responsible services within the Commission, complemented by actions on the demand-side, such as public procurement, technical standards, and regulatory measures. This includes a further EUR 4 billion for non-research activities under the Green Cars Initiative.

The three PPPs are intended to prevent the crisis from deflecting attention from the EU's longer-term interests and the need to invest in its future. Research and Innovation are considered as strategic and 'smart' investments to prepare the ground for the future of the EU economy which has to become a knowledge-based and low carbon economy, as stated in the Europe 2020 strategy. This is crucial for the EU to come out from the crisis stronger, more sustainable and more competitive.

The Commission, working in close collaboration with industrial representatives, has developed multi-annual roadmaps and longer-term research strategies for the three sectors. The initiatives will continue to be implemented through a series of Cross-thematic Calls under the 2013 Work Programmes between the relevant FP7 Themes. Responsibility for these Cross-thematic Calls is as follows:

- The 'Factories of the Future' initiative involves financial support from the NMP11 and ICT11 Themes;
Addressing FoF added value

IL.5.1 ‘Factories of the Future’ Public-Private Partnership (FoF) - Cross-

 thematic Coordination between NMP and ICT

Manufacturing is still the driving force of the European economy. Manufacturing activity in 
Europe represents approximately 21% of the EU GDP and provides about 20% of all jobs 
(more than 30 million) in 25 different industrial sectors, largely dominated by SMEs. With 
each job on the factory floor generating approximately two other jobs in services, about 60 
million people are additionally engaged in the related service areas. Therefore, manufacturing 
is of high importance to Europe, with a large potential to generate wealth, jobs and a better 
quality of life. The long-term shift from a cost-based competitive advantage to one based on 
high added value requires that European manufacturing increases its technological base, 
building on the EU’s excellent R&D in this domain, and develops a number of enabling 
trans-sectoral production technologies.

The Factories of the Future PPP Initiative aims at helping EU manufacturing enterprises, in 
particular SMEs, to adapt to global competitive pressures by developing the necessary 
enabling technologies to support EU manufacturing across a broad range of sectors. It will 
help European industry to meet the increasing global consumer demand for greener, more 
customised and higher quality products through the necessary transition to a demand-driven 
industry with lower waste generation and energy consumption.

The activities will concentrate on increasing the technological base of EU manufacturing 
through the development and integration of the enabling technologies of the future, such as 
emerging technologies for adaptable machines and industrial processes, ICT for 

• A new European model of production systems for the factories of the future (e.g. 
  transformable factories, networked factories, learning factories) depending on different 
  drivers such as high performance, high customisation, environmental friendliness, high 
  efficiency of resources, human potential and knowledge creation.

• ICT-based production systems and high quality manufacturing technologies capable of 
  optimising their performance with a high degree of autonomy and adaptability for a 
  balanced combination of high throughput and high accuracy production.

• Sustainable manufacturing tools, methodologies and processes that have the capability of 
  cost-efficiently shaping, handling and assembling products composed of complex and 
  novel materials.
Using PPP/FoF added value: know-how!

Belgium
- NIKON Metrology

Germany
- Brandenburg University BTU
- Fraunhofer IPA
- ARTIS

Sweden
- University of Lund

United Kingdom
- AMRC Manufacturing Ltd.
- DELCAM plc

Greece
- University of Patras
- GIZELIS Robotics
- BAZIGOS

France
- TEKS

Italy
- SIR
- Democenter SIPE DCS

Czech republic
- NISAFORM
Enjoying PPP/FoF added value: people!

Learn from each other,

also these two days!
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Jan Willem Gunnink

Delcam
"Knowledge is power, but enthusiasm pulls the switch."

COMET-project
A Factories of the Future PPP success story!
The partners wants to acknowledge and thank the European Commission for supporting the COMET project.

For more information:
www.cometproject.eu
jwg@delcam.com