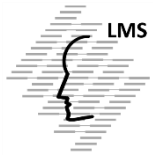


The KNOW-FACT project began on December 2011 and ended on May 2013. It was co-funded under the EAC/19/2011 (Pilot projects for the development of Knowledge Partnerships). The project's Consortium included the following organizations:



Laboratory for Manufacturing Systems & Automation
University of Patras (Co-ordinator)



FESTO AG & Co KG



Volvo Technology Corporation



Fundacion Tecnalía Research & Innovation



POLITECNICO
DI MILANO

Politecnico di Milano

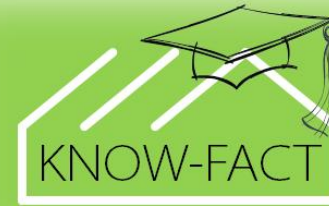


TECHNISCHE
UNIVERSITÄT
DARMSTADT

Technische Universität Darmstadt



Consulting and Software Products S.A.



"A Knowledge Partnership for the definition and launch of the European Teaching Factory Paradigm in Manufacturing Education"



Real
manufacturing...

...closer to education



Prof. George Chryssolouris

Laboratory for Manufacturing Systems and Automation

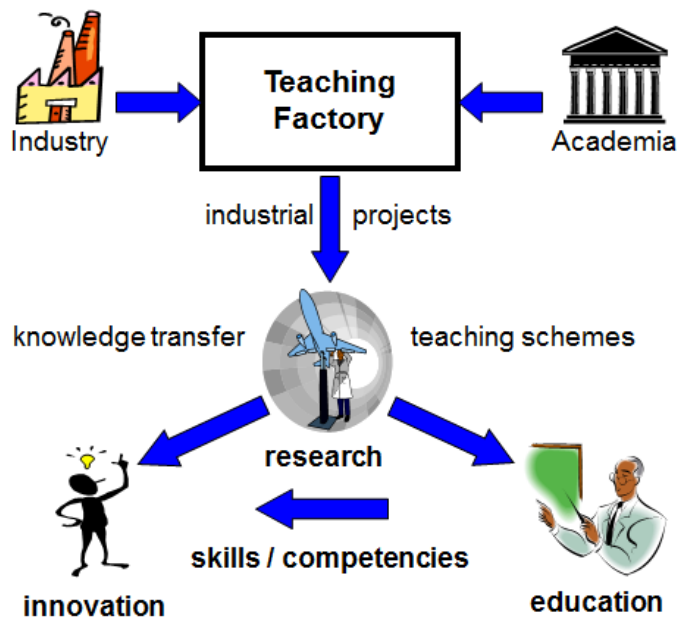
University of Patras, Patras 26500, GREECE

Tel.: +30-2610-997262

www.lms.mech.upatras.gr

Web site: <http://www.knowfact-project.eu>





Aiming to become a new paradigm in engineering education and training, the Teaching Factory initiative has, in fact, a hybrid mission, facilitating the industrial training and education for university students, while taking up research results and training for industrial personnel.

Approach

- Extracting partners' experience and networking with industry / academia for defining the operational requirements and conceptual framework
- Specification of the virtual and physical entity of the Teaching Factory, in terms of the required layout and its technological infrastructure
- Definition of the curriculum for the Teaching Factory (contents, pedagogic approach and knowledge delivery mechanisms)
- Running and validating pilot operational scenarios of the Teaching Factory, mainly addressing the weak link of the knowledge triangle, i.e. the one between education and innovation
- Preparing the future implementation of the project's study

The KNOW-FACT project aimed at developing the Teaching Factory concept. This is a novel concept of seamless integration of research, innovation and education activities within a single initiative, promoting the future perspectives of knowledge-based, competitive and sustainable manufacturing in Europe.

The ultimate expected impact of the project was to promote the exciting character of manufacturing to the young people, by addressing real life problems under business conditions, with the use of scientific approaches and cutting edge technologies.