

# Manufuture Achievements and Perspectives

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MANUFUTURE

## Manufuture achievements so far

- *Common Vision Towards 2020*
- *Strategic Research Agenda*
- Start the implementation of *Manufuture Actions*
- Transectoral Technology Roadmaps with a “*Manufuture Workprogramme*” for implementation
- Joint activities with other European Initiatives (i.e. EU-MECHA-PRO, Footwear P&P, MINAM, RM) and ETPs (i.e. ECTP, Industrial Safety, SusChem, Textile, WATERBORNE)
- Set up of 30 National/Regional *Manufuture* initiatives
- Debate, in progress, for a strategy towards a Sustainable Manufacturing in Europe
- Current debate for international collaboration in manufacturing research

## Manufuture perspectives

- To create the *Manufuture* knowledge community increasing the engagement of industrial stakeholders
- To share the strategy for building a Sustainable Manufacturing in Europe, focusing on the financing of strategic manufacturing R&D activities
- To mobilize and secure additional financial resources
- To promote, at all political and public levels, a positive public image of manufacturing
- To strengthen cooperation with other ETPs
- To maximize innovation and economic results, ensuring effective FP7 execution
- To implement the strategy for international networking and cooperation

Manufuture Technology Platform

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ASSURING THE FUTURE OF  
MANUFACTURING IN EUROPE

# Manufacture

# Strategic Research Agenda

# Implementation through Collective Action

## Relevance of Manufacturing

Manufacturing is the dominant sector of the European economy, since each job in manufacturing is linked to two additional jobs in high quality services.

It also exerts a strong technology pull on research and innovation, so the EU depends strongly on the dynamism of its manufacturing industry.

Putting knowledge and innovation at the heart of European growth is therefore a must.

### EU Manufacturing Industry

- **N. enterprises:** 2.230.896
- **Jobs:** 33 Million directly
- 23 sectors
- **Turnover:** 6.032 Billion €
- **Value Added :** 1.594 Billion €

Source: Eurostat 2004

## Mission

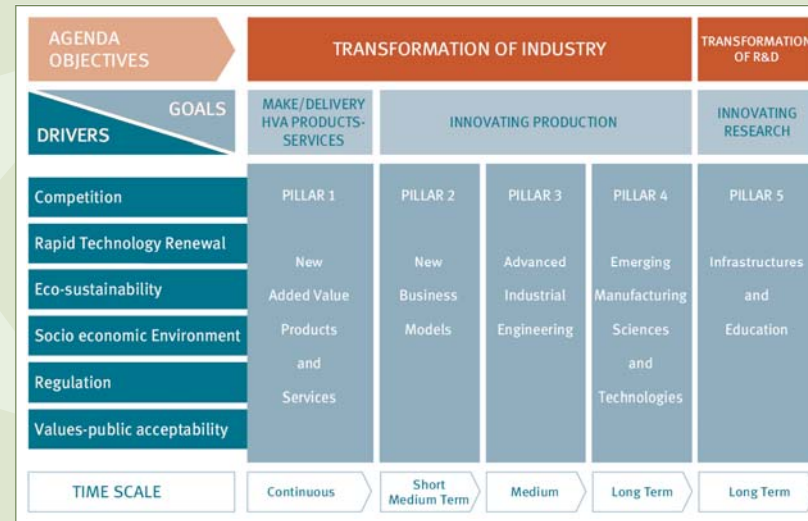
Manufacture mission is to propose, develop and implement a strategy based on Research and Innovation, capable of speeding up the rate of industrial transformation to high-added-value products, processes and services, securing high-skills employment and winning a major share of world Manufacturing output in the future knowledge-driven economy.



## High Level Objectives

- Competitiveness in manufacturing industries
- Leadership in manufacturing technologies
- Eco-efficient products and manufacturing
- Leadership in products and processes, as well as in cultural, ethical and social values

Manufacture Industry and RTD transformation model, guided by drivers and based on five pillars, to achieve an innovating environment for European enterprises



## Drivers of change

- Competition, especially from emerging economies
- Shortening of life cycle of enabling technologies
- Environmental and sustainability issues
- Socio-economic environment
- Regulatory climate, values and public acceptance

## Five Pillars

The competitive and sustainable reaction to such changes and challenges requires a transformation of Industry - and the related RTD and High Education Infrastructure - based on five pillars and their associated enabling technologies:



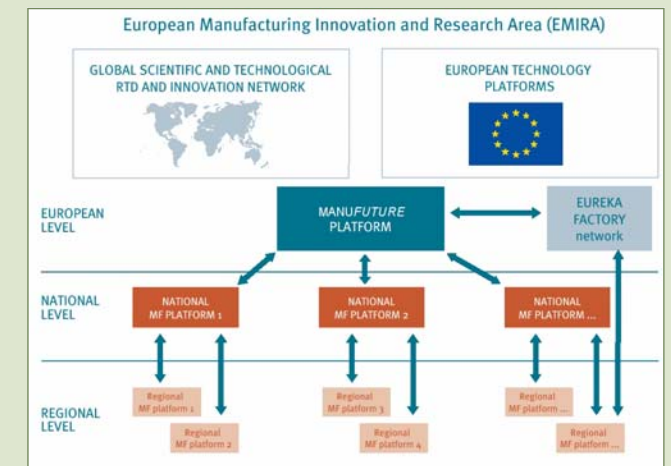
Collective research will evidently have a central part to play in realising the transformation of manufacturing. Attaining the objectives of the Lisbon and Barcelona Councils will only be possible by involving the largest possible number of stakeholders.

It is, then, mandatory cooperation between Manufacture and the various existing and proposed Technology Platforms focusing on common goals and action plans – whether applied at EU or national/regional level, and whether sectoral or technological in scope.

Another stakeholder group of outstanding importance is the innovative SMEs and other

independent enterprises. They make up, by far, the structure of all manufacturing sectors.

Manufacture has defined a consensus vision of the research and innovation needs for high-added-value manufacturing. This vision should be used by stakeholders to integrate and coordinate research in a “European Research and Innovation Area for Manufacturing – EMIRA” within the “European Research Area – ERA”. This action should take into account regional and national needs, and recognise Europe’s wider role in the global RTD and innovation network.



## Manufacture Structure

### High Level Group - HLG

As the governing body of the Manufacture Platform, it sets-up the strategy related to maintaining European leadership in Manufacturing.

### Implementation Support Group - ISG

It coordinates all the work in the platform and provides the secretarial support.

### Industrial Advisory Group - IAG

It oversees the strategic part of the SRA and Implementation plan and ensures its dissemination to industrial Stakeholders.

### Mirror Group - MG

It should ensure the harmonisation of Manufacturing Research activities in Member States with those ones of the Manufacture Platform.

### Working Groups - WGs

They have been established for the finalisation of the SRA.

### National/Regional Manufacture initiative Group - NRTIP

It aligns the European Manufacture Platform to the needs of the industry in the different regions and countries in Europe.