

MANUFUTURE Strategy and the Economic Crisis

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MANUFUTURE Objectives

Competitiveness of european manufacturing industries

- to survive in the turbulent economic environment
- to compensate migration and consumption of technologies
- to have more and better jobs
- to stabilise economic results (growth)
- to ensure wellfare and social standards of living

Leadership in manufacturing technologies

- to support innovative products and platforms
- to lead manufacturing with global standards
- to garantee human and social standards of work

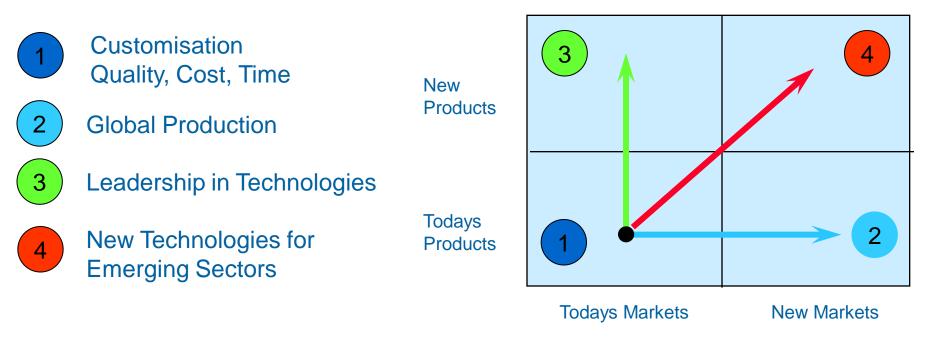
Environmental friendly products and manufacturing

- to reduce the environmental losses
- to change the consumption of limited resources
- to maximise the benefits of each product in the life cycle



MANUFUTURE Vision RTD Competitive and Sustainable Manufacturing

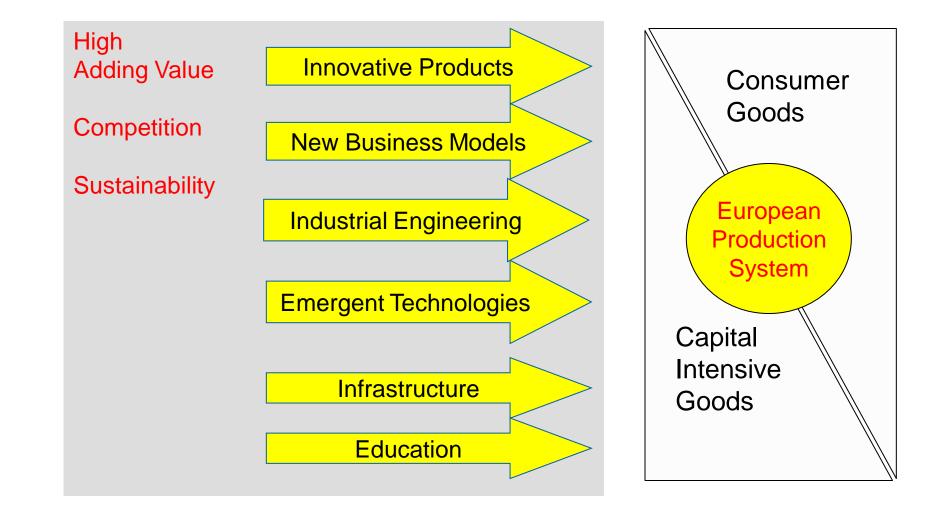
Assuring the Future of Manufacturing in Europe By Sustainability and Competition



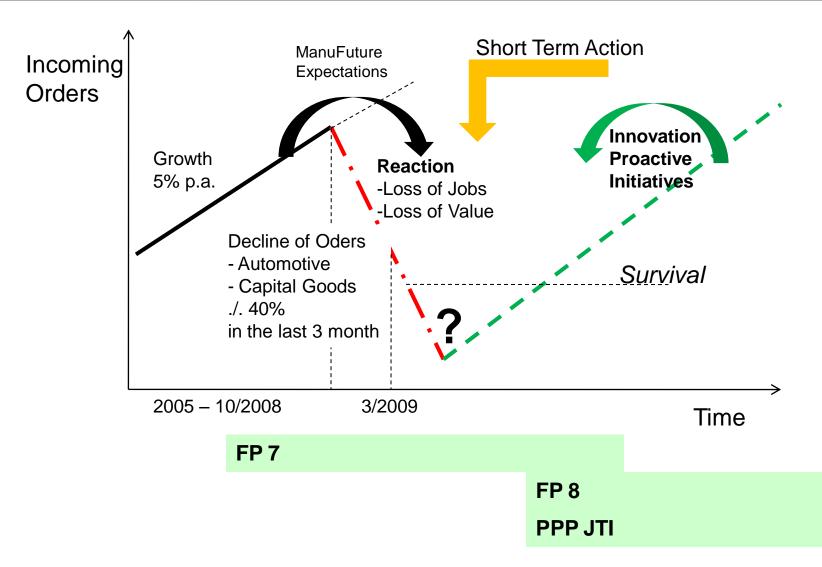
- Knowledge-based Manufacturing for Competition
 - Leadership in Technologies
 - Environment-friendly and European Culture of Manufacturing

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ManuFuture Strategic Research Agenda







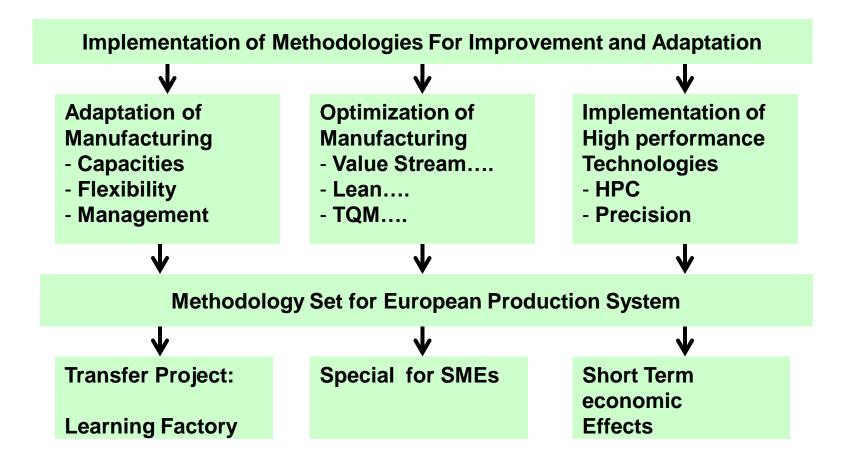


- European Production System
 - Manufuture Strategy for CSD
 - High impact on industrial transformation

Knowledge based factory (EUREKA)

- Adaptive Manufacturing System
- Digital / real factory
- Education and training in "learning Factories"
- Energy efficient Manufacturing

Short term action: Production System: Survival in the turbulent Environment



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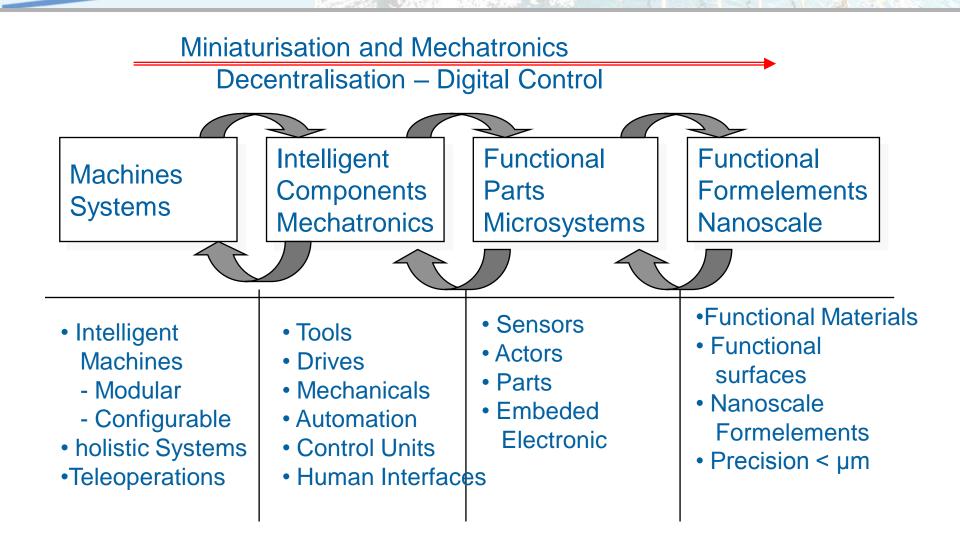
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Actions to Support Manufacturing

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For the short term	Fast Implementation of methodologies : Value Stream Lean Manufacturing, Flexible Manufacturing European Production System Fast Implementation of Technology Programmes
Medium term	FP 7 Workprogramme Concentration on Implementation Fast and efficient transfer to practice PPP JTI
Long term	Reworking the Roadmaps - Monitoring - Integration Nano, Materials, Processes, ICT, Robotics and Automation, Photonics

Miniaturisation in Products and Manufacturing Systems



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