Manufacturing 2.0

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Europe needs competitive manufacturing

European « three pillars bridge » to pass across the « valley of death »

- Technological facilities
- Pilot deployment Pilot line
- Globally competitive manufacturing facilities

Knowledge

Research & technology organisations

Industrial consortia

Anchor companies

The valley of death

Source: HLG-KET
What must be “sustained” in manufacturing?

- Performance, Quality and Safety
- Natural resources and Environment
- Lifecycle thinking
- Human Capital and Education
- Innovation
ICT for manufacturing

ICT is a major enabler of competitive manufacturing

Manufacturing Business Web

Enablement Components
- Dynamic Collaboration
- Mobile Manufacturing
- Real-World Connectivity
- Manufacturing Intelligence

Functional Components
- Life Cycle Management
- Knowledge-based Engineering
- High Performance Manufacturing
- Adaptive Maintenance and Manufacturing
- Sustainable Manufacturing

Business Components
- Business Case and Frameworks
- Key Performance Indicators
- Enterprise Interoperability Capability
- Industrial Learning
- Living Labs

Future Internet Infrastructure & Governance

Involve the consumer / user

D: Data
I: Information
K: Knowledge
Dissemination for Innovation

Go beyond “usual” dissemination

• Focused dissemination to target business audience
  – Involve local innovation agencies

• Continuous competence development
  – Necessary to support competitive manufacturing

• Industrial learning