



PRODUCTIVITY
FORUM
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CLOSING WORDS

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MACROECONOMIC AND BUSINESS TRENDS

(Liikanen, Eloranta)

- Different growth prospects in developed and developing countries; the economic crisis hit developed countries harder
- Current debt-equity ratio is sustainable only if economy grows
- As the workforce is not growing, productivity needs to be increased
- Global structural change continues: focus to Asia
- To succeed, we need to foster economic growth, improve productivity and competitiveness (new technology, new business models) and construct favourable environments in working places (inspiration, enthusiasm)



MACROECONOMIC AND BUSINESS TRENDS

(Lettijeff, Persson)

- Advantages of early supplier involvement: shorter project development lead times, improved perceived product quality, savings in project costs, better manufacturability, shared knowledge and learning, improved R&D efficiency and effectiveness
- A best-of-best supplier can improve the value proposition
- Creativity and structure are possible to combine
- Innovation needs to be measured but the time perspective is a challenge
- Innovation culture as a part of our everyday work



GLOBAL MANUFACTURING (Tseng)

- Shortage of jobs is a social and cultural sustainability issue
- Open Manufacturing: motivates people to participate, to create, to learn, to acquire and to recover in providing fulfilling goods and services on level playing fields
- Manufacturing should go beyond producing goods for survival and comfort, we should also address human dignity and satisfaction
- Re-discovering the joy of work; manufacturing has been de-humanised



GLOBAL MANUFACTURING (Nevala, Bellgran)

- Global partner – local commitment
- Challenges: competence, finding the right partner, bureaucracy , logistics
- Mass Production – Lean Production – Third paradigm, beyond Lean
- Kaikaku vs. kaizen
- Outsourcing of functions and factories: how much can be outsourced without losing the business?
- Lean and Green go well together in production
- More emphasis on production engineering needed in Finland, Sweden and the EU



FUTURE PERSPECTIVE (Westkämper)

- Changing paradigms of manufacturing: from reducing costs, optimised quality, taylorism and cheap labour to high adding value, competition, sustainability, innovation
- From experiment-oriented to knowledge-based and learning manufacturing
- Technologies for sustainability: miniaturisation, new materials, substitution of hardware by software
- Factories of the future:
 - Transformable factories, Factories of emotions (design-oriented), Networking factories of excellence, Lean & learning factories



FUTURE PERSPECTIVE (Rantalainen)

- CSM Hotel – Competitive Sustainable Manufacturing Hotel
 - Provided eco-plant, cooperative business model, sustainable systems, open ICT platform, team work facilities, training, systems integrator, quality system
 - Affordable sustainability for SMEs, close to workforce
 - Different manufacturing processes, one or several offered by the hotel
- Composition of autonomous companies on a mutual open complex platform allowing multiple business structures with different life cycles



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THANK YOU!