

Odd Myklebust, Post doc.

Myklebust has long experience from NTNU and SINTEF, both as research scientist and research director. Myklebust holds a master degree in Production Engineering from the Department of Production and Quality Engineering at NTNU from 1984. He has a doctoral degree from the same institute from 2002. He has been an associated professor II at NTNU, 2008–2010. He is also a visiting professor at Shanghai University. Odd Myklebust is the Norwegian project manager of MANUFUTURE, the technological platform for the nano, materials and production engineering EU R&D program. Myklebust's main fields of experience are:

- Manufacturing systems
- Sustainable manufacturing and product life-cycle models
- ICT in manufacturing
- Manufacturing engineering



"The Norwegian Manufacturing Future is also a part of the Sustainable Manufacturing Future"

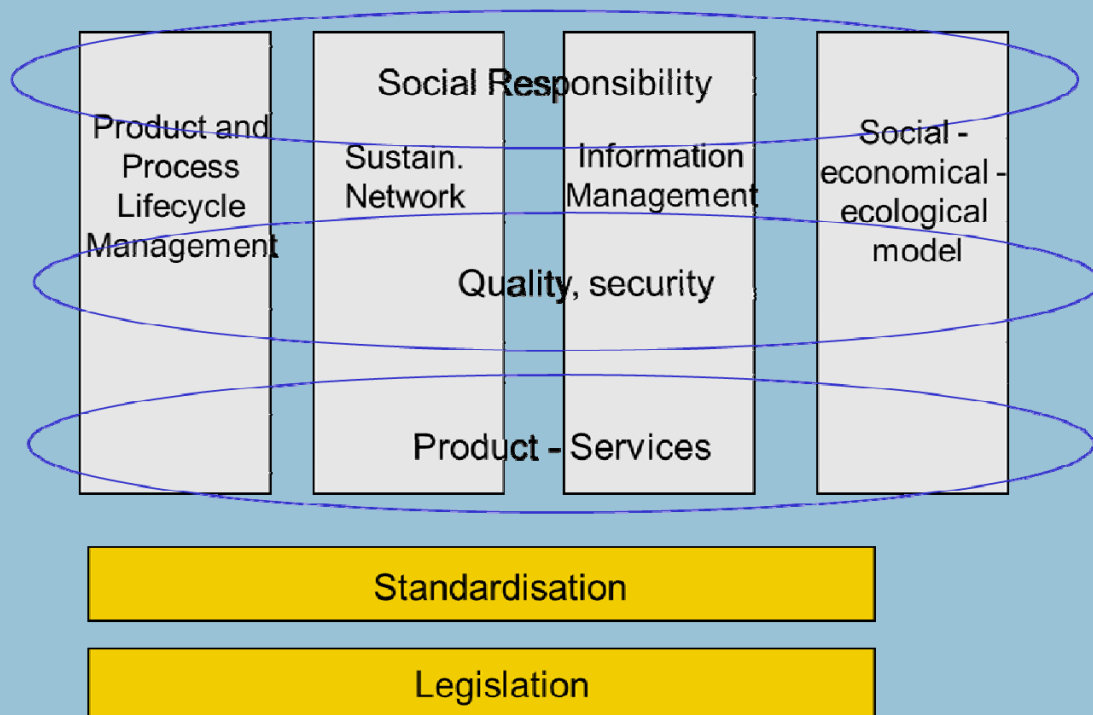
Presentation of planned work:

The main work has focus on sustainable manufacturing and industry. SFI Norman does not have projects covering the industrial sustainability issues, but the work in my postdoctoral project will be to see relations between the Norman projects and sustainability. In addition the work has focus within SFI Norman, WP2 - Advanced process control and predictive maintenance. The work within WP2 will work jointly with the new EU FP7 project IFaCOM; Intelligent Fault Correction and self Optimizing Manufacturing systems. Together this will give a platform and a Manufacturing Systems orientation for Sustainable and Zero Defect Manufacturing. These are two of the most important key elements in future manufacturing in high-cost countries. The concepts will in theory cover all kinds of manufacturing, with emphasis on production of high value parts, on large variety custom design manufacturing and on high performance products. The system approach will both cover adaptive, automated flexible systems as well as Knowledge Discovery and Intelligence approaches. The work will be documented in publications both in journals and conferences.

Facts

- Start. September 1 2010
- Supervisor: Per Schjølberg
- Co-supervisor Kesheng Wang

Sustainable Industrial Systems



Zero Defect Manufacturing:

