Manufacturing in Sweden

- 10 million people
- 1 million jobs in industry

Manufacturing:
- 50% of export
- 67% of national private sector R&D spending
Swedish manufacturing industry

- High digitalisation maturity in products and production
Produktion2030 – a Swedish programme for innovation in production

Our vision:
In 2030 Production in Sweden is sustainable

• Production2030 will invest >75 MUSD during 2013–2023
• Principal organisation: The Swedish Association of Engineering Industry
Rules of play

• Target groups: Industry, Academia and Research institutes
• Collaboration between OEM:s, SME:s and other industries
• Packaging results for SME:s
Five instruments to reach our goals

1. Projects
   - Research and innovation projects
   - Testbeds

2. SME:s
   - Packaging results for SME:s
   - Distribution by regional platforms

3. Education
   - PhD-school
   - Courses at Master level

4. Mobility
   - Personal mobility between industry, academia, and research institutes

5. Internationalisation
   - International intelligence
   - Policy and framework
   - European network for advanced manufacturing
Impact!

1. Projects
   - 30 projects
   - 10 M USD
   - 150 companies
   - 125 SME:s
   - 40% female project leaders

2. SME:s
   - 25 SME-packages
   - National workshop tour
   - Regional industry networks

3. Education
   - 140 PhD students
   - 30 new courses
   - International production

4. Mobility
   - Exchange programmes between industry, academia and research institutes

5. Internationalisation
   - EU-impact
   - Networks and analysis
   - USA, Germany, India, Japan, Singapore, South Korea, ...

125 SME:s

40% female project leaders
Our focus is the production system

Sustainability
1. Resource efficient production
2. Flexible production
3. Virtual production
4. Humans in the production system
5. Circular production and maintenance
6. Integrated product- and production development

Digitalization
»In Sweden production is sustainable«

CECILIA WARROL, PROGRAMCHEF PRODUKTION2030
Project examples

- Re-manufacturing, using digital technology

Digitalisation = main toolbox for new production solutions...
Looking ahead

• Long term conditions: Funding until 2023 ✓

• Focus areas:
  - Digitalisation
  - Sustainable production

• Increased international collaborations:
  - Industry
  - Academy
  - Research institutes
Sweden’s R&D infrastructure in production

- Swedish Production Academy
  - 10 universities with research facilities
- Research institutes, Sweden (RI.SE)
- Industrial open access labs for innovation
  - ABB, SKF, Volvo, Ericsson
- National/regional industrial networks
Thank you for listening!

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