



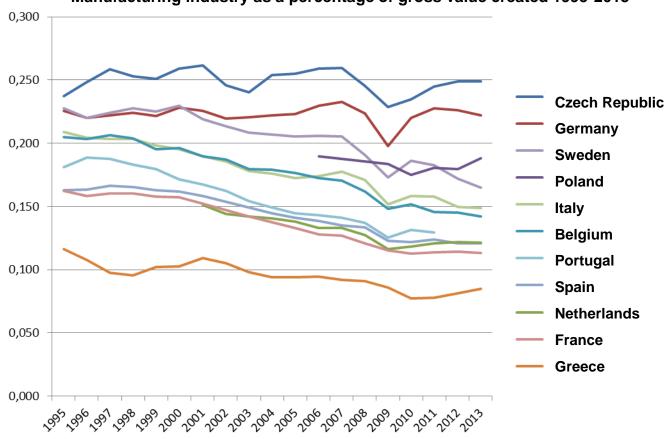
Industrie 4.0: A German Perspective

Dr. Wolfgang Scheremet, Director-General Industrial Policy OMG Information Day, Berlin, June 18, 2015



Industry in Germany: No De-industrialisation

Manufacturing industry as a percentage of gross value created 1995-2013



Source: Eurostat



Manufacturing in Germany

...is diverse in size & structure:

SME with less than 250 employees acount for

- ■97,6 % of enterprises
- •45,8 % of employees.
- •22,2 % of manufacturing turnover
- Many ,,hidden champions

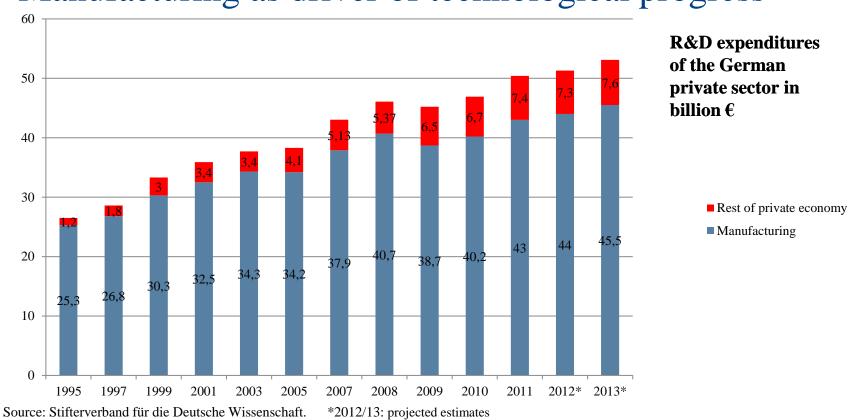


Manufacturing in Germany

- Wide spectrum of branches
- High share of research-intensive goods
- Regional hot spots



Manufacturing as driver of technological progress



Regional hot spots



Key Issues of Digitisation in the Industrial Sector

Awareness

Abb. 23 Industrie 4.0 hat eine hohe Bedeutung für die Wettbewerbsfähigkeit des Wirtschaftsstandorts Deutschland Bedeutung von Industrie 4.0 für den Wirtschaftsstandort Deutschland heute in 5 Jahren 56 % wichtig (4) 39 % weder noch (3) 31 % weniger wichtig (2) 9 % nicht wichtig (1) 1 % 0=4,4

Qualification / Competences



Standards



System competences



Data Security





How to adress the challenges of Industrie 4.0?

Industrie 4.0

Needs a broad-based foundation



Industrie 4.0...

- ... must be understood as a project of and for society as a whole
- ... requires a close alliance amongst the private sector, academia, politics and trade unions
- ... needs to be translated into practiceand be implemented now



14 April 2015: (Re-) Launch of the Platform Industrie 4.0 with Minister Gabriel and Minister Wanka



The Platform Industrie 4.0 provides support for the coordinated and organised transition into the digital economy in Germany

The new Platform Industrie 4.0

What we want to achieve







High efficacy

- Draw up recommendations for action by all actors
- Initiate new alliances and projects
- Mobilise the Mittelstand (small- and medium-sized enterprises)
- Build international cooperation
- To "get on with it"!



Broad visibility

- Joint and consistent communication to the public
- Communicate "Use Cases", good practice and applications
- Build societal acceptance

The new Platform Industrie 4.0

Five things we want to do



- 1 Focus on the **needs of businesses** and of end users
- Create a central point of contact (for international partnerships and alliances)
- Ensure acceptance through high transparency and participation
- Develop a common language, objective and key messages
- Establish **clear structures** and reliable processes for the dayto-day work of the platform



The Platform Industrie 4.0 is the moderator of and catalyst for the exchange amongst all societal actors in the pre-competitive phase





Chair Ministers Gabriel, Wanka

Representatives of commerce, trade unions, science

Technical/practical expertise decision-making

Steering body (companies)

- Chaired by business representatives, participation of Economic Affairs and Research Ministries
- Chairs of working groups, other guests/ promoters

Industrial strategy development, technical coordination, decision-making and implementation

Working groups

- Reference architecture, standardisation
- Research and innovation
- Security of networked systems
- Legal framework
- · Labour, training
- Others as required

Working units with technical/practical expertise; participating ministries: Economic Affairs, Research, Interior, Justice, Labour

Policy guidance, society, multipliers

Strategy group

(Government, business, unions, science)

- Chaired by StS Machnig, StS Schütte
- Representatives of steering body
- Representatives of Federal Chancellery, Interior Ministry
- Representatives of the Länder
- Representatives of associations (VDMA, ZVEI, BITKOM, BDI, VDA, BDEW)
- Representatives of trade union (IG Metall)
- Representatives of science (Fraunhofer)

Agenda setting, political steering, multipliers

Activities on the market

Industrial consortia and initiatives

Implementation on the market: test beds, examples of applications

International standardisation

Consortia, standardisation bodies, DKE and others

Board of Academic Advisers

Secretariat as service provider

Network coordination, organisation, project management, internal and external communication

Status: 13 March 2015

The Working Groups

Five thematic priorities



Working Group 1:

Reference Architectures, Norms and Standardisation

Chair:

Dr. Peter Adolphs,
Pepperl + Fuchs

Working Group 2:

Research and Innovation

Chair:

Johannes Diemer,

Hewlett Packard

Working Group 3:

Security of Interconnected Systems

Chair:

Michael Sandner, Volkswagen AG

Working Group 4:

Legal Framework

Chair:

Dr. Hans-Jürgen Schlinkert, ThyssenKrupp **Working Group 5:**

Employment,
Apprenticeships and
Life-Long Learning

Chair:

Dr. Constanze Kurz

IG Metall





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The Platform's Project Office Tasks

The central coordination hub



- In charge of coordinating the network especially of the committees and working groups
- Responsible for all **organisational matters** regarding the Platform, as well as for project management
- Manages the internal and external communication of the Platform
- 4 First point of contact for all enquiries

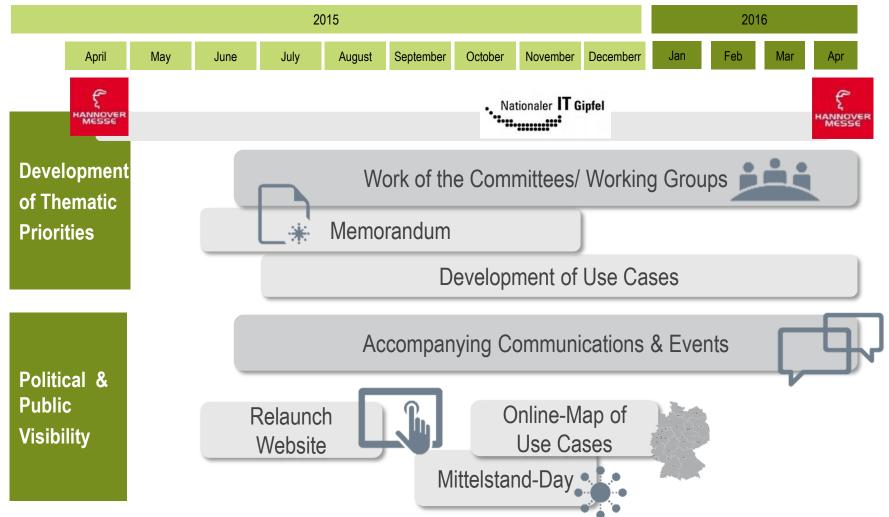


The Project Office is the coordinator of the Platform Industrie 4.0 and the communications manager of the initiative

Getting started

The close integration of impact and visibility









Thank you for your attention!

Dr. Wolfgang Scheremet, Director-General Industrial Policy OMG Information Day, Berlin, June 18, 2015