

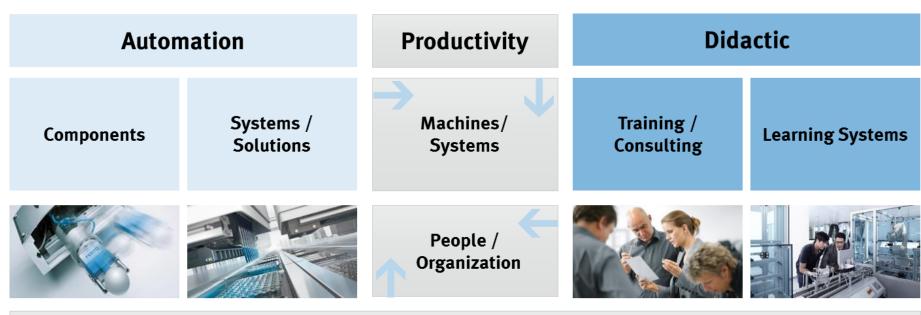
Personalised Manufacturing from an Automation Point of View





Festo AG – An Independent Family-owned Enterprise

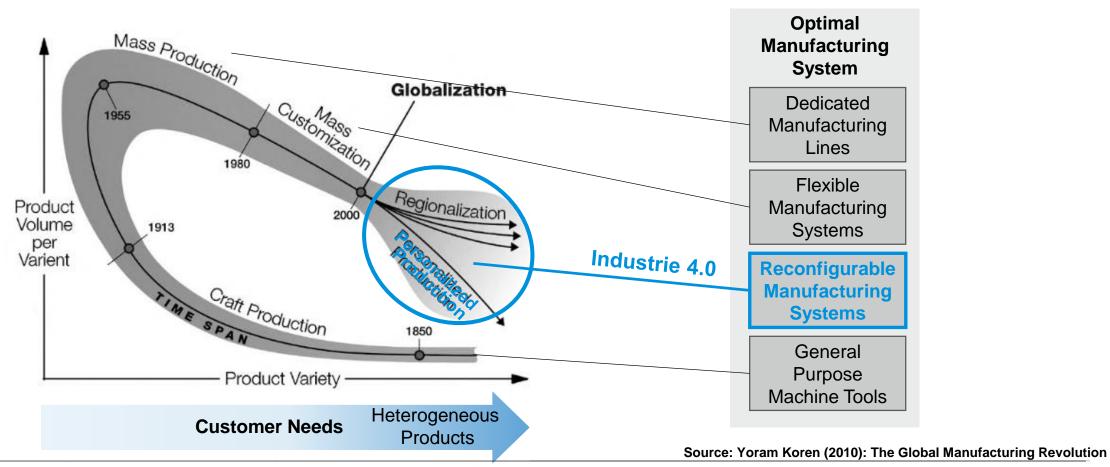
- 18,800 Employees in 61 countries worldwide
- 2.74 billion € turnover with around 8% for R&D industries
- Pneumatic and electrical automation technology for over 35 customer industries
 - World market leader in industrial education



Increasing the productivity of over 300.000 customers worldwide.



Personalised Manufacturing: "Back to the Future" or New Manufacturing Paradigm?





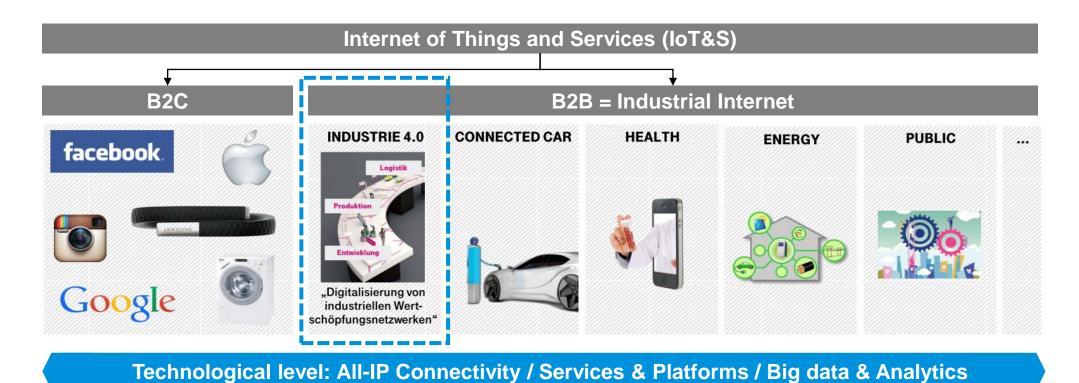
Personalised Manufacturing from an Automation Point of View

- Business & Service models: Digital Customer Journey and Service Platforms
- Manufacturing Systems: Agile Systems Adaptive to Changing Needs
- Working Environment: Human Machine Interaction and New Skills



Business & Service models

Industry 4.0 in the world of new business models and markets

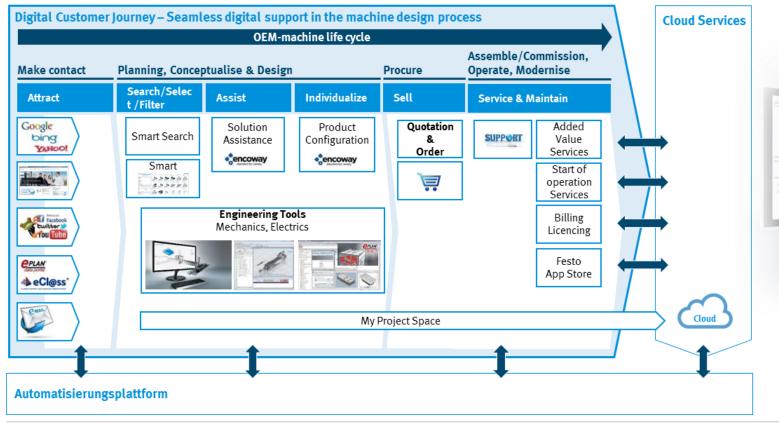


Quelle: T-Systems, 14.4.2015



Business & Service models

Digital Customer Journey



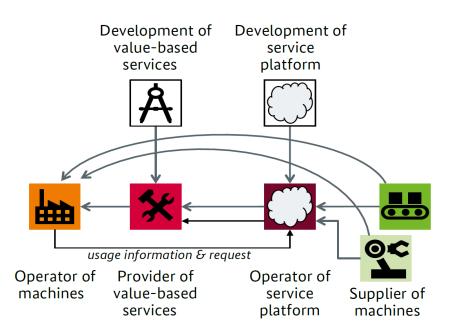




Business & Service models

Digital Manufacturing Platforms

Example of platform for value-based services:



Examples of EU activities / projects supporting digital platform building:





Analysis of interdependencies with value creation in circular economy:

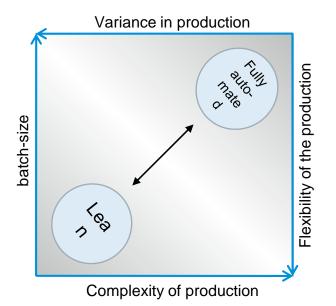




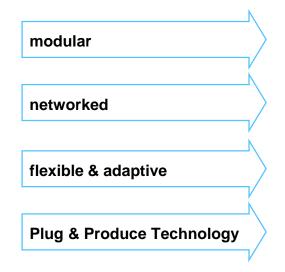
Manufacturing systems

Transformation to agile systems adaptive to changing needs

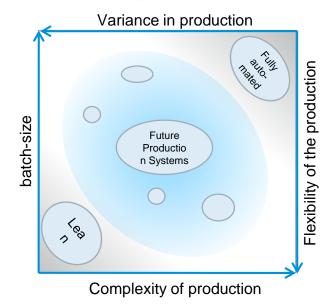
Manufacturing Systems of Today



Drivers



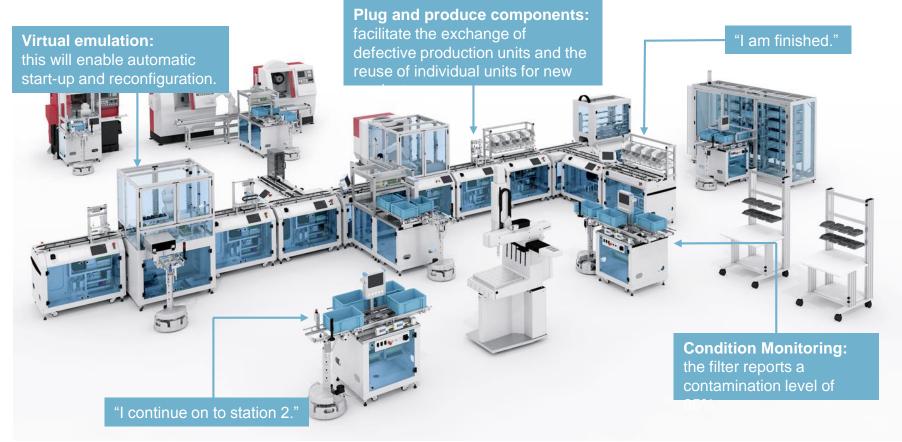
Manufacturing Systems of Tomorrow





Manufacturing systems

Intelligent and networked production





Working Environment: "It's all about people"



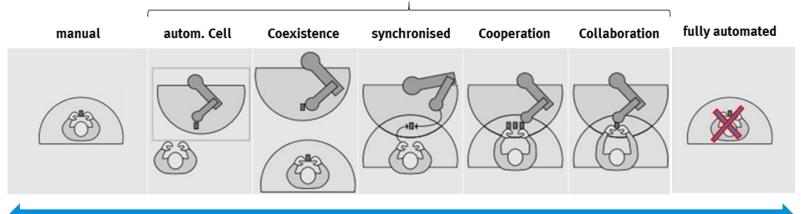


Working Environment

Human Machine Interaction



Various Types of Human Robot Interaction





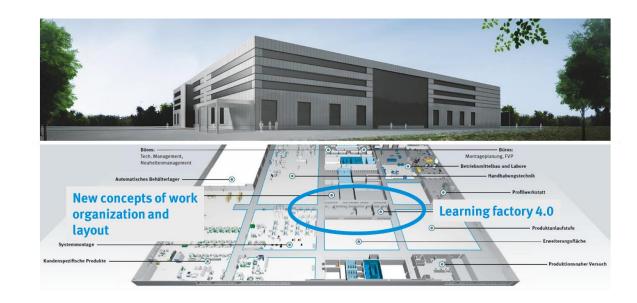


Working Environment

Festo Didactic with learning factories 4.0



Learning factory 4.0 inside our new Festo factory





For personalised manufacturing of the future ...



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Festo AG & Co. KG