

Industrie 4.0 - ERP Solutions Based Solutions for Complicated Supply Chain

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Challenges to Manufacturing Today...



The Market of One

Customized offerings to meet the unique needs of individual customers



Extreme Variability

Multi-faceted configuration and highly variable demand with regional and localized requirements



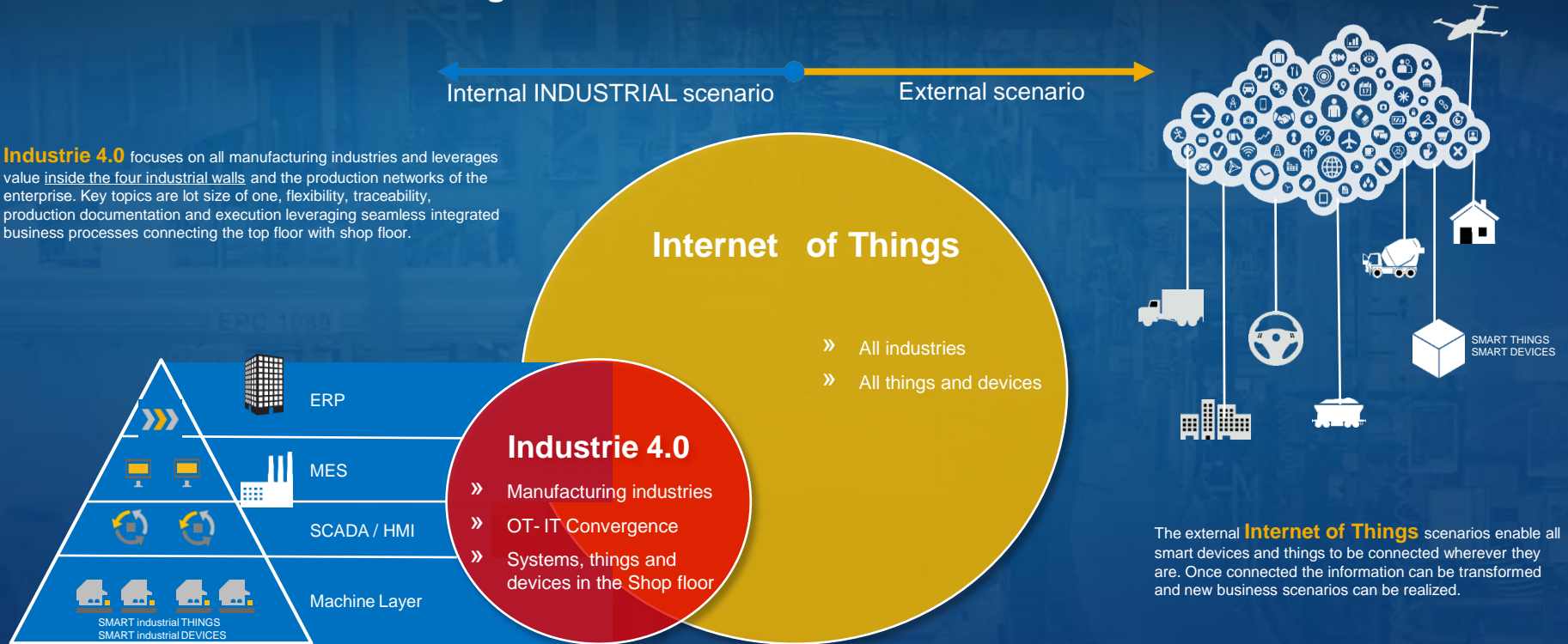
Rapid Innovation

Time to market pressure for designing and producing innovative products and services

Internet of Things and Industrie 4.0

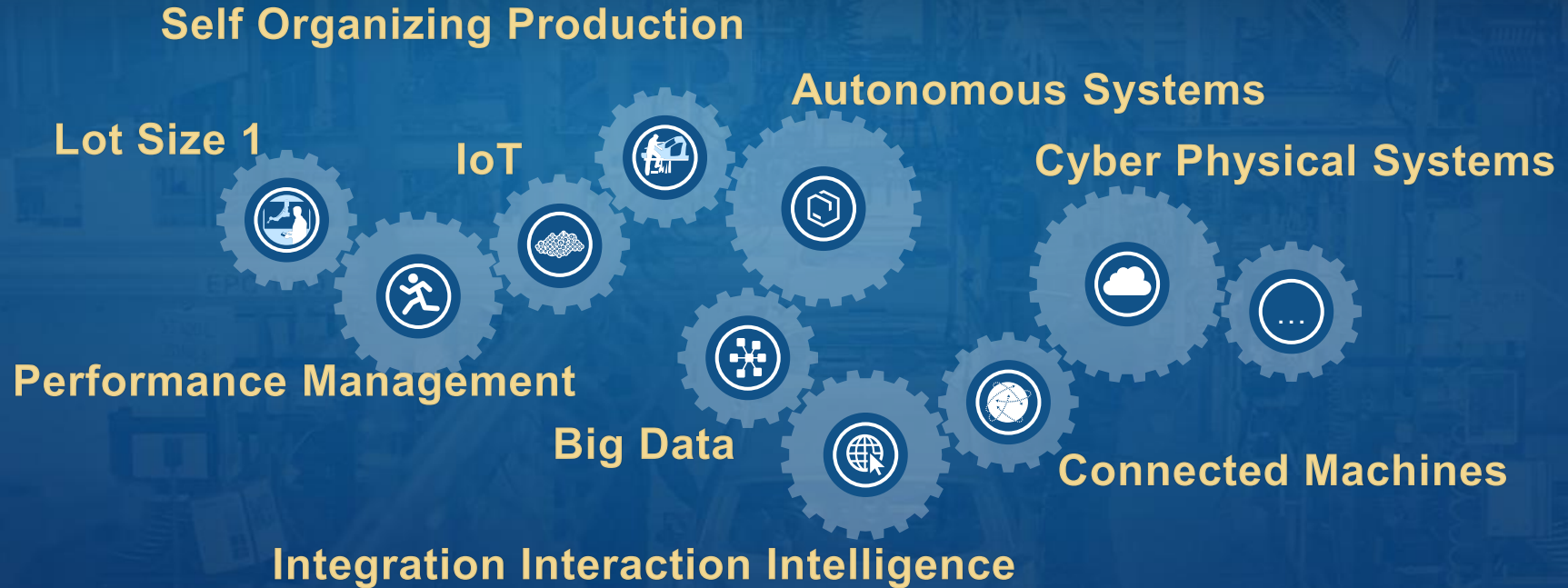
SAP Connected Manufacturing runs Industrial IoT with Industrie 4.0 scenarios

Industrie 4.0 focuses on all manufacturing industries and leverages value inside the four industrial walls and the production networks of the enterprise. Key topics are lot size of one, flexibility, traceability, production documentation and execution leveraging seamless integrated business processes connecting the top floor with shop floor.



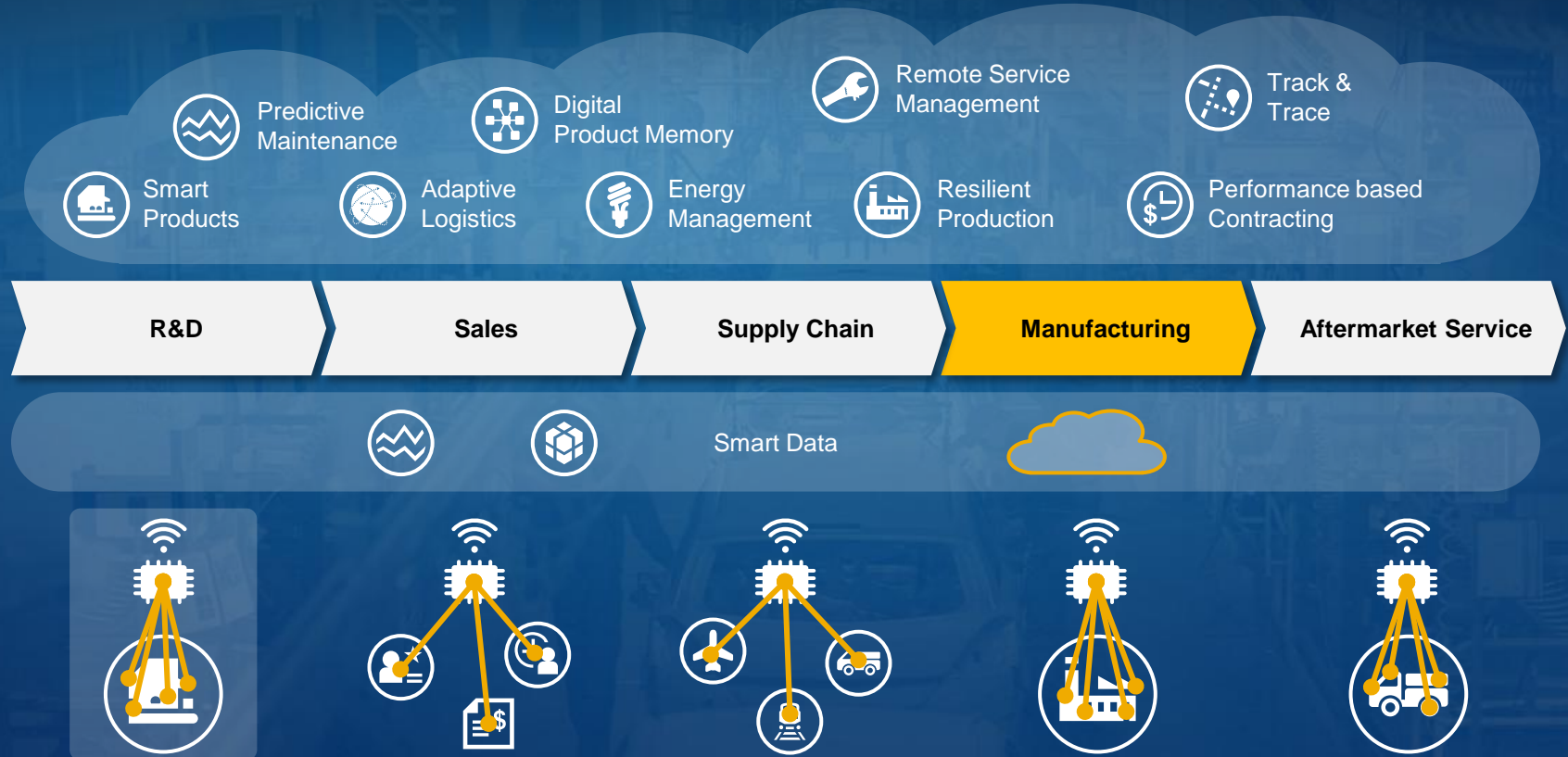
The external **Internet of Things** scenarios enable all smart devices and things to be connected wherever they are. Once connected the information can be transformed and new business scenarios can be realized.

Industrie 4.0 – What is it?



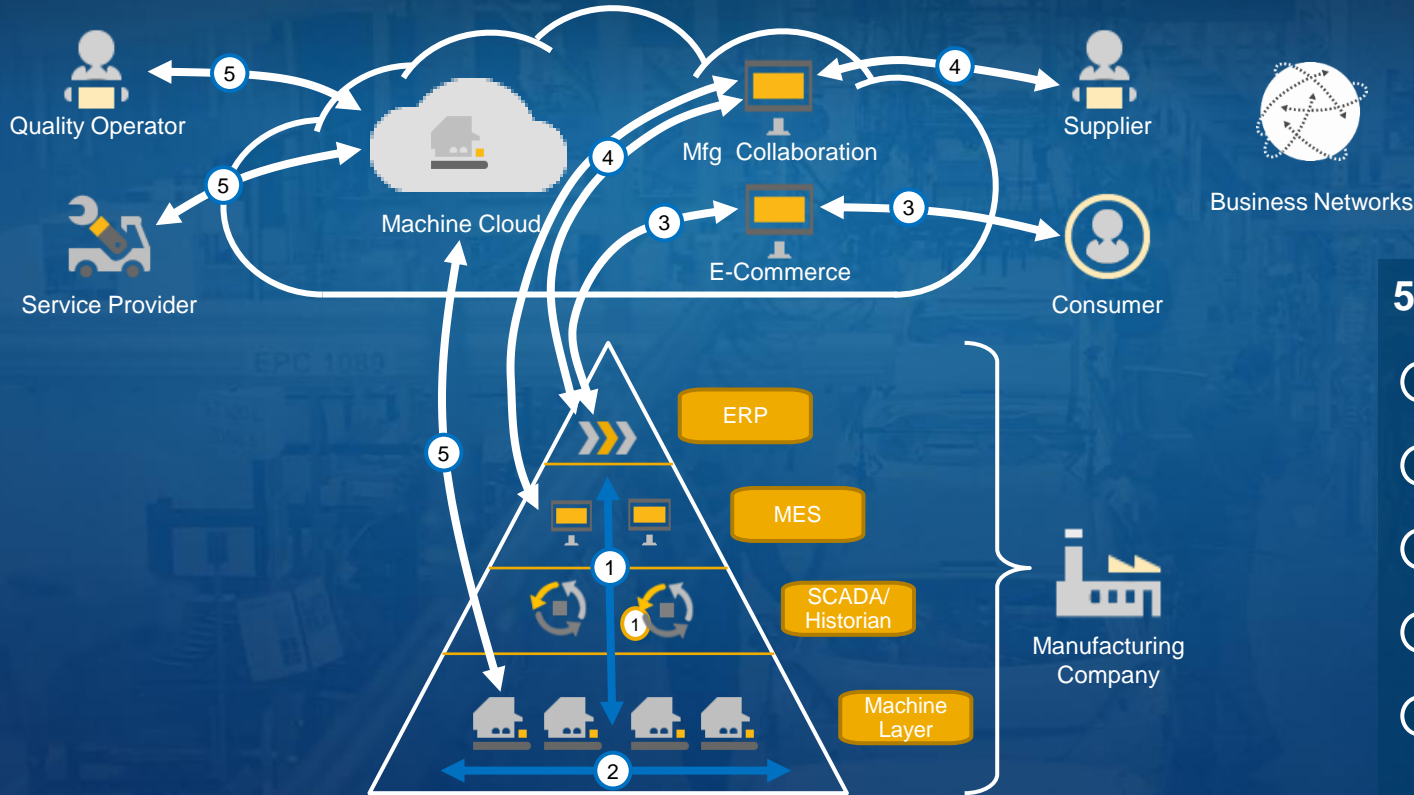
Context of Industrie 4.0 along the Value Chain

Transparency, Flexibility, Individualization and Integration are key principles



Connected Manufacturing

5 Scenarios of “Connectedness”

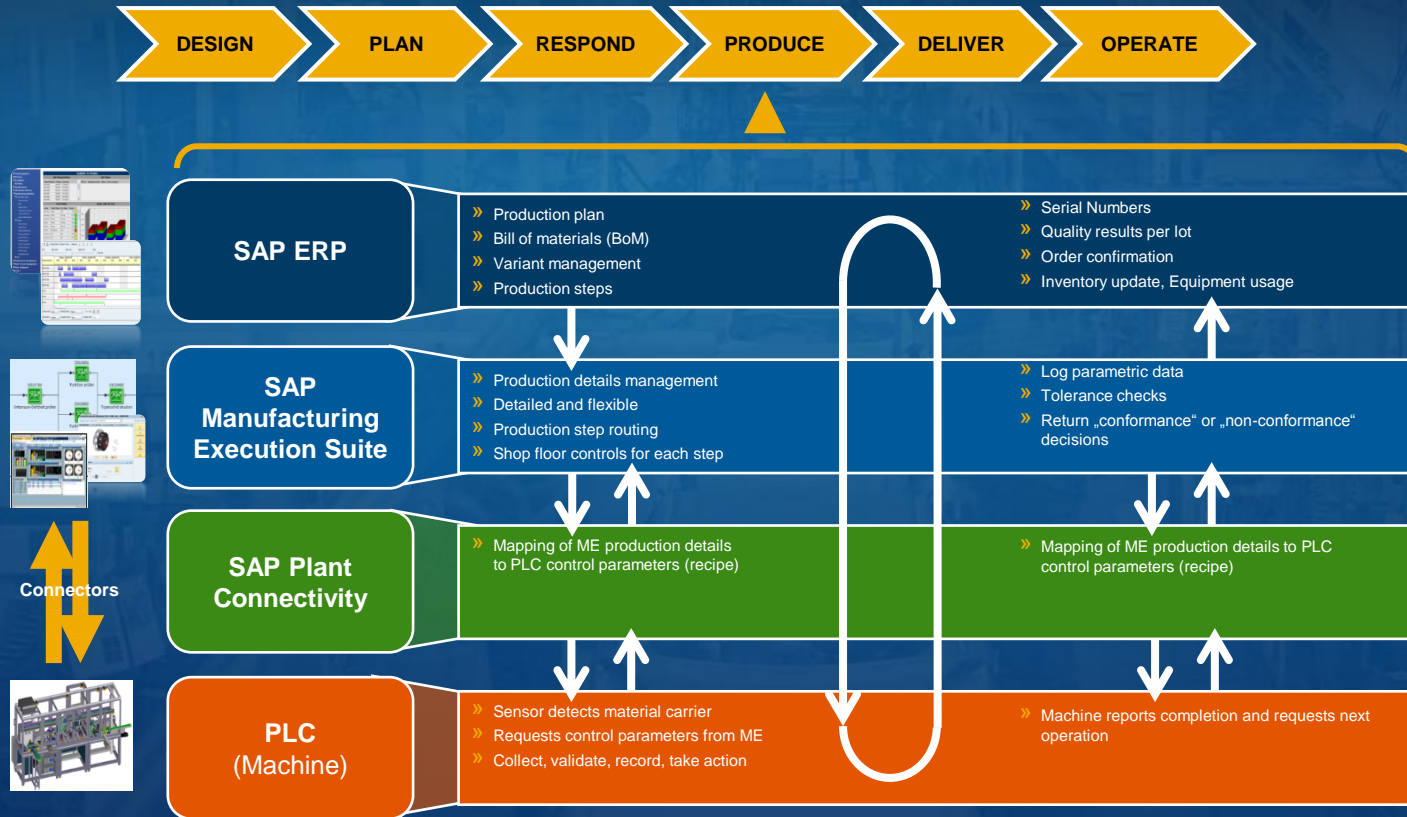


5 Scenarios

- ① Shop Floor to Top Floor
- ② Machine to Machine
- ③ e-commerce Integration
- ④ Manufacturing Collaboration
- ⑤ Machine Cloud

Connected Manufacturing

The Smart Factory



Summary

Not the latest technologies should be in the forefront of the Industrie 4.0 discussion



Derive Business benefits
Explore new business model
based on these technologies

A tight integration between ERP-Systems and MES System is key to leverage the potential of Industrie 4.0



Perfect is realization of
Lot Size of 1

SAP delivers the E2E solution for manufacturing for today and tomorrow



Connected and embedded



Thank You ...

Dr. Juergen Weiner

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