PDM | PLM Competence Center |

IraSME & CORNET partnering event Aachen 26 November 2018



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Fraunhofer IPK
Division Virtual Product Creation



Introduction PDM | PLM Competence Center







PLM for Digitization

Smart Services

Data-driven business models

1 MECHANIZATION











3 FUNCTIONIZATION



4 SYSTEM OF SYSTEMS



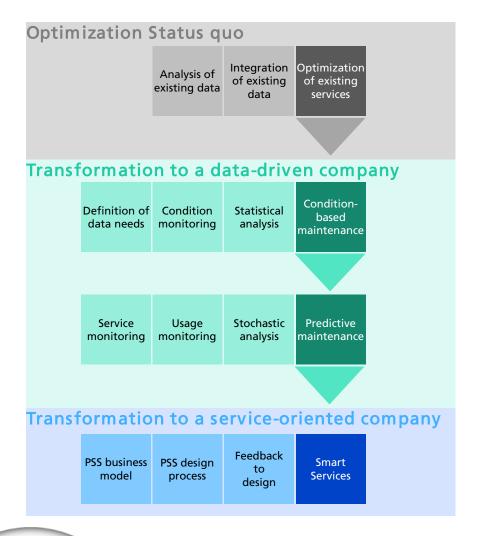


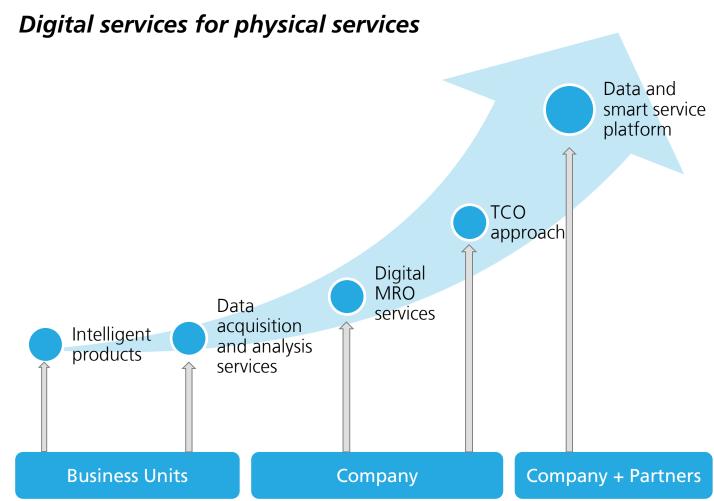
Instagram would not exist without mechanization, digitization, and functionization - a company with 700 million users worldwide - but their business model was not the driver. What is your smart service of the future?



Smart Services

Capability stair steps and roadmap



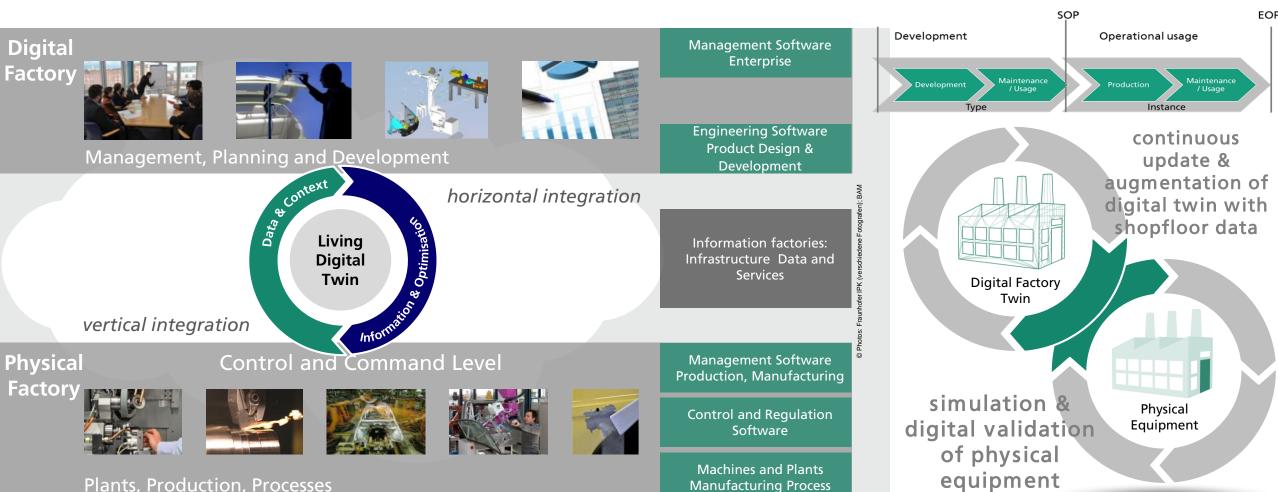




Living Digital Twins

Plants, Production, Processes

What we have done so far ...

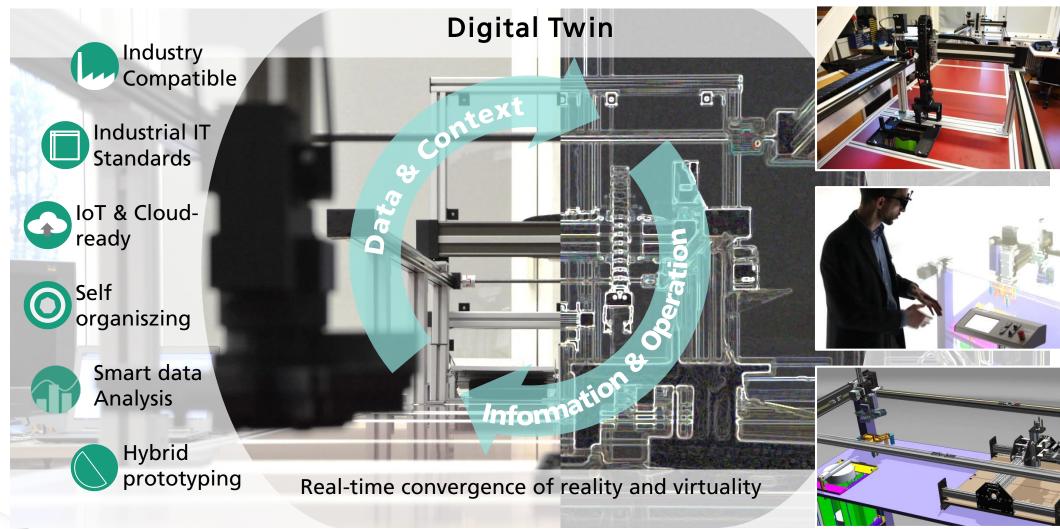


Manufacturing Process



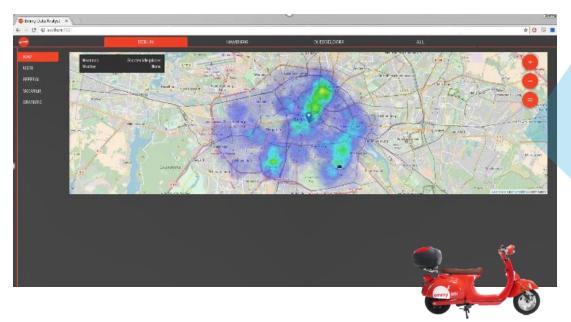
"Smart Factory 4.0" test environment

Fusion between real manufacturing, real-time digital simulation and data acquisition and analysis





Smart Services



Emmy Scooter
... just an example
(Source: https://emmy-sharing.de/)

Arising questions:

- Which business models / ideas are suitable for smart services based on digital twins?
- What are the necessary capabilities for the development of necessary products?
- How to manage the data flow?

• ...

enabling







Your Contact partners



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