



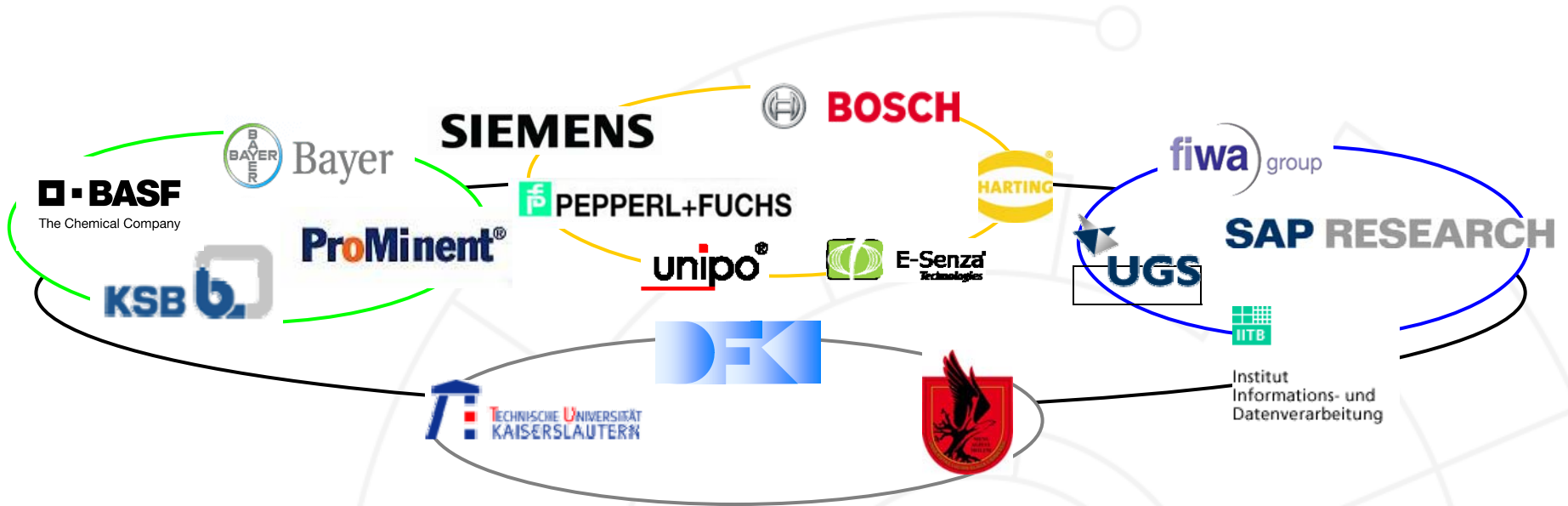
smartFactory^{KL}

**SmartPlan – Process-oriented planning of technical Systems
with Service Orientierted Web-Technologies**

Prof. Dr.-Ing. Detlef Zühlke

Dipl.-Wirtsch.-Ing. Eric G. Pohlmann (MBA)

Strong Partners are building the SmartFactory^{KL}

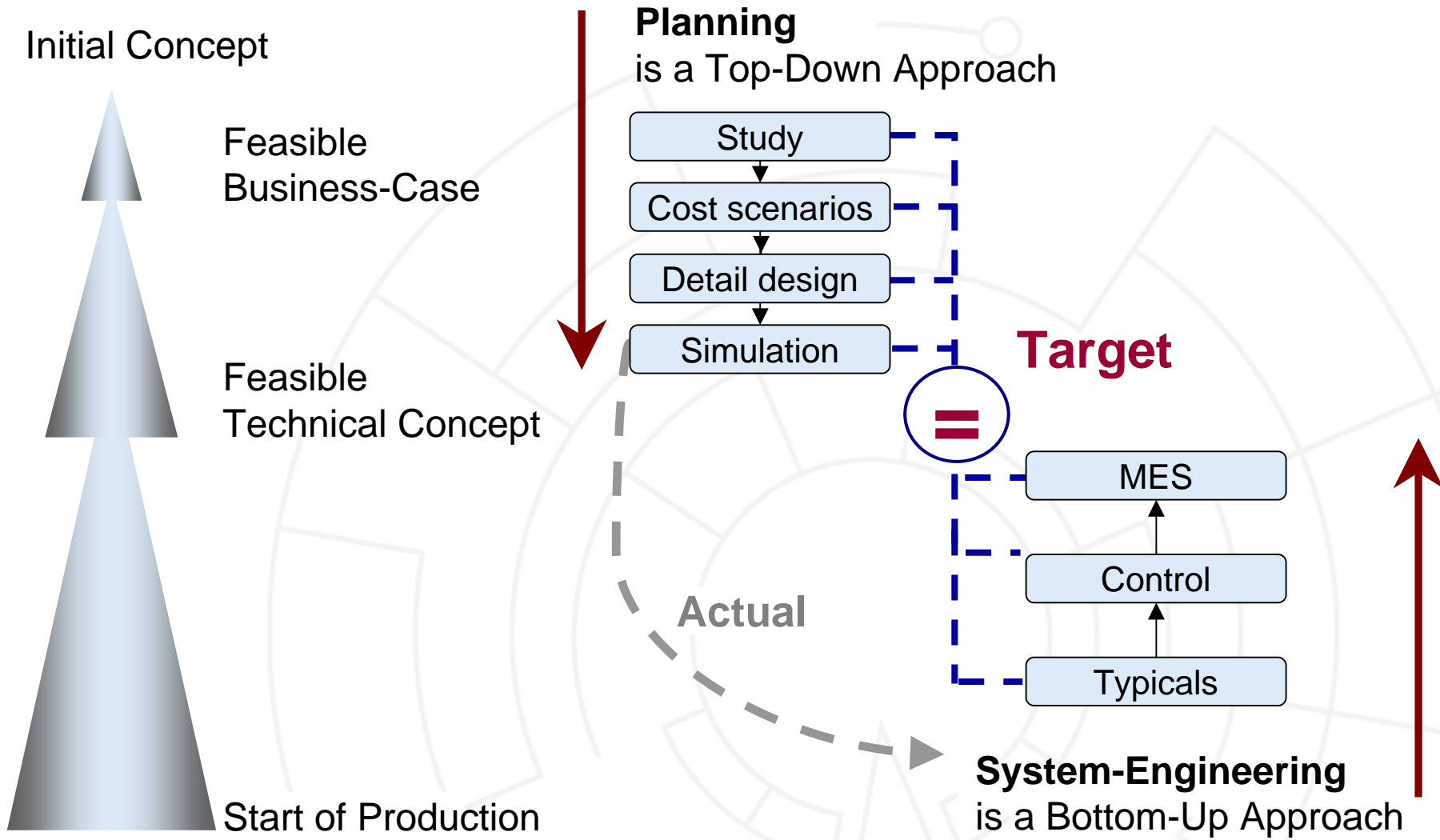


Sponsors:

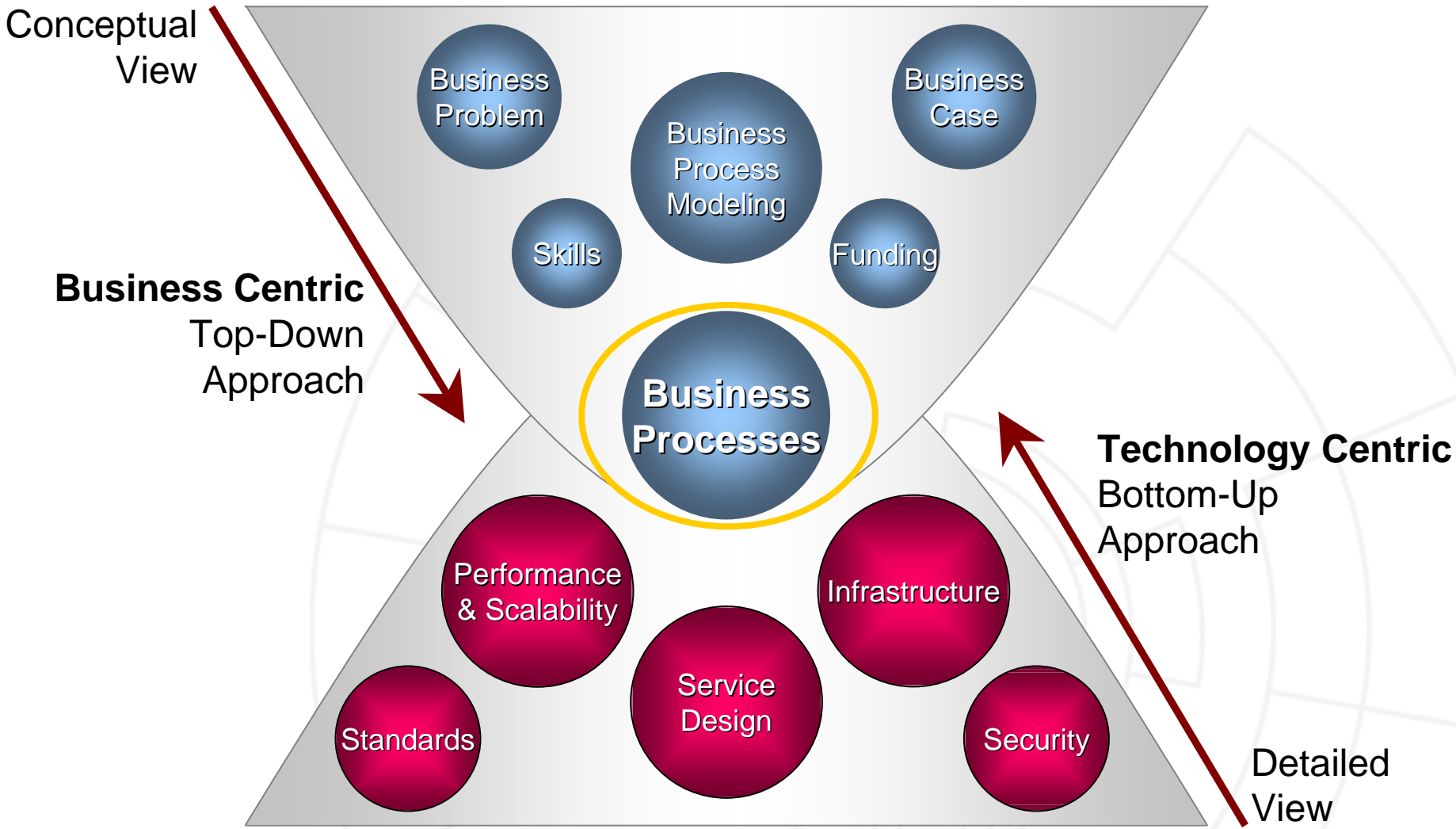


smart Factory^{KL}
die intelligente Fabrik der Zukunft

Two-sided Process of Planning a Production Line



Process driven Planning reduces Time-To-Market

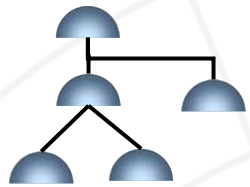


Hard- and Software-independent Factory-Model

abstract service



1 abstract planning



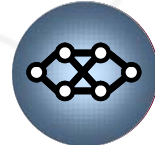
working logic



2 process oriented design of working logic



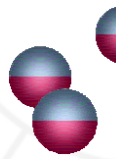
elementary service



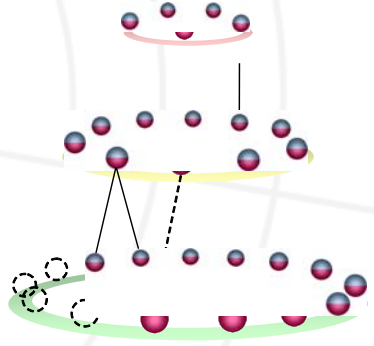
device library



3 construction of service oriented factory architecture

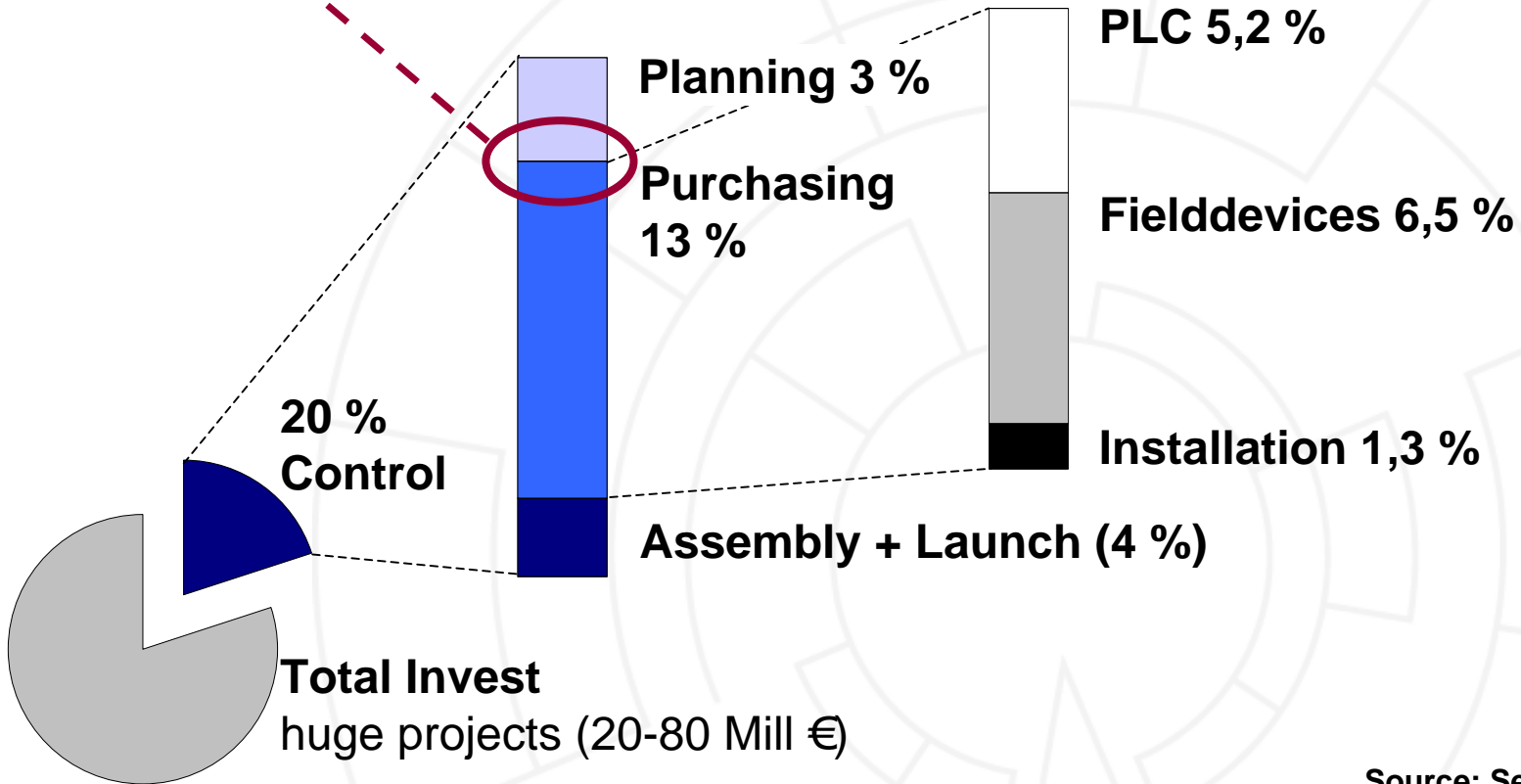


specific interface



Fraction of Planning costs related to Total Invest

Impact in Planning and Purchasing



Source: Setzwein 1999

Project Benefits

- Project Benefits:
 - Process driven Planning reduces Time-To-Market
 - Full scale Demonstration Plant
 - Vendor independent
 - Exchange of Visions
 - Technological Development Club : SmartFactory^{KL}
- We are looking for:
Investors or Project Partners willing to make a difference in industrial Information Technology
- We want to achieve:
R&D Cooperation